

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/5/2014	14:40	2/5/2014 14:40	46	33	31	19	80	38.6		2775.1	317.47	16506.82
	2/5/2014	15:33	2/5/2014 15:33	46	32.5	30.5	19.3	77	39.1		2060.4	235.71	16742.53
	2/5/2014	17:06	2/5/2014 17:06	49	32.5	30.5	19.8	79	40.1		3682.9	421.32	17163.85
	2/5/2014	21:11	2/5/2014 21:11	50	32.5	30	20.5	63	42.1		10070.5	1152.06	18315.91
	2/5/2014	21:13	2/5/2014 21:13	50	34	31	23	63	48.0		90.2	10.32	18326.23
	2/6/2014	7:36	2/6/2014 7:36	45	34	29.5	25	47	53.1		31492.5	3602.74	21928.97
	2/6/2014	7:41	2/6/2014 7:41			21					265.3	30.35	21959.32
SW-44 Event 23	2/7/2014	7:32	2/7/2014 7:32	54	30	30.5	<2	49	0.0				21959.32
	2/7/2014	7:33	2/7/2014 7:33	54	32.5		<2	49	0.0		0.0	0.00	21959.32
	2/7/2014	7:40	2/7/2014 7:40	53	33	32.5	2.5	49	5.2		18.3	2.10	21961.42
	2/7/2014	8:59	2/7/2014 8:59	46	31.5	31.5	7.2	58	14.7		788.1	90.16	22051.59
	2/7/2014	9:44	2/7/2014 9:44	44	31	31	7.9	54	16.1		693.7	79.36	22130.95
	2/7/2014	11:50	2/7/2014 11:50	44	30.5	29.5	1.8	61	3.6		1244.0	142.31	22273.26
	2/7/2014	11:51	2/7/2014 11:51	44	32.2	31.2	14	61	28.7		16.2	1.85	22275.11
	2/7/2014	13:32	2/7/2014 13:32	45	32	30.2	15.7	64	32.1		3070.8	351.30	22626.41
	2/7/2014	14:42	2/7/2014 14:42	48	32	30	16.5	62	33.8		2304.2	263.60	22890.01
	2/7/2014	15:53	2/7/2014 15:53	48	32	30	16.8	60	34.4		2421.7	277.04	23167.05
	2/7/2014	16:33	2/7/2014 16:33	48	32	29.5	17	59	34.9		1386.9	158.66	23325.71
	2/7/2014	17:24	2/7/2014 17:24	48	32	29.5	17	58	34.9		1780.5	203.69	23529.40
	2/7/2014	17:25	2/7/2014 17:25			21					34.9	4.00	23533.40
SW-44 Event 24	2/10/2014	8:35	2/10/2014 8:35	56	28	28.5	<2	54	0.0				23533.40
	2/10/2014	8:36	2/10/2014 8:36	56	32	33	<2	54	0.0		0.0	0.00	23533.40
	2/10/2014	9:01	2/10/2014 9:01	56	30	30.5	4.4	54	8.9		111.0	12.69	23546.09
	2/10/2014	9:50	2/10/2014 9:50	50	30	30.5	5.8	66	11.6		500.8	57.29	23603.38
	2/10/2014	9:51	2/10/2014 9:51	49	32	32.5	7	66	14.3		12.9	1.48	23604.86
	2/10/2014	11:06	2/10/2014 11:06	47	32	32.5	8.2	76	16.6		1155.8	132.22	23737.08
	2/10/2014	13:07	2/10/2014 13:07	45	31	31	9.9	79	19.7		2193.8	250.97	23988.06
	2/10/2014	14:45	2/10/2014 14:45	45	31	31	11.7	79	23.3		2107.1	241.05	24229.11
	2/10/2014	16:35	2/10/2014 16:35	45	31	30.5	12.2	74	24.4		2623.4	300.12	24529.22
	2/10/2014	17:25	2/10/2014 17:25	45	31	30.5	12	70	24.1		1212.6	138.72	24667.94
	2/10/2014	17:27	2/10/2014 17:27			23					48.2	5.51	24673.46
SW-44 Event 25	3/10/2015	8:42	3/10/2015 8:42		28	27.5	0	66	0.0				24673.46
	3/10/2015	9:00	3/10/2015 9:00		28	27	0	68	0.0		0.0	0.00	24673.46
	3/10/2015	9:01	3/10/2015 9:01		33	30.5	3	68	6.2		3.1	0.35	24673.81
	3/10/2015	10:37	3/10/2015 10:37		32	30	6	83	12.0		873.6	99.94	24773.75
	3/10/2015	10:38	3/10/2015 10:38		36	34.5	10	83	20.9		16.5	1.88	24775.63
	3/10/2015	11:57	3/10/2015 11:57		36	33.5	12	86	25.0		1813.8	207.50	24983.13
	3/10/2015	13:20	3/10/2015 13:20		36	32	14.5	88	30.2		2290.0	261.98	25245.11
	3/10/2015	13:21	3/10/2015 13:21			21					30.2	3.45	25248.56
SW-44 Event 26	3/12/2015	12:45	3/12/2015 12:45		33	33	0	73	0.0				25248.56
	3/12/2015	12:55	3/12/2015 12:55		33	32.5	0	73	0.0		0.0	0.00	25248.56
	3/12/2015	12:56	3/12/2015 12:56		36	35	0	73	0.0		0.0	0.00	25248.56
	3/12/2015	13:18	3/12/2015 13:18		35	35	0	73	0.0		0.0	0.00	25248.56
	3/12/2015	14:25	3/12/2015 14:25		35	34	4	72	8.4		280.3	32.06	25280.62
	3/12/2015	16:14	3/12/2015 16:14		34	33.5	6	70	12.4		1134.2	129.75	25410.37
	3/12/2015	17:48	3/12/2015 17:48		34	33	8	66	16.7		1367.8	156.48	25566.86
	3/12/2015	17:49	3/12/2015 17:49			22					16.7	1.91	25568.76
SW-44 Event 27	3/18/2015	12:14	3/18/2015 12:14		34	33.5	0	78	0.0				25568.76
	3/18/2015	12:22	3/18/2015 12:22		34	34	0	79	0.0		0.0	0.00	25568.76
	3/18/2015	13:27	3/18/2015 13:27		34	34	0	79	0.0		0.0	0.00	25568.76
	3/18/2015	14:20	3/18/2015 14:20		34	34	0	78	0.0		0.0	0.00	25568.76

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/18/2015	15:22	3/18/2015 15:22		34	34	<2	76	0.0		0.0	0.00	25568.76
	3/18/2015	16:16	3/18/2015 16:16		33	33	3	73	6.1		165.8	18.96	25587.72
	3/18/2015	16:18	3/18/2015 16:18			23					12.3	1.40	25589.13
SW-44 Event 28	3/19/2015	11:55	3/19/2015 11:55		32	31.5	0	70	0.0				25589.13
	3/19/2015	13:29	3/19/2015 13:29		32	30	4	73	8.1		380.6	43.54	25632.67
	3/19/2015	13:30	3/19/2015 13:30		34	34	6	73	12.4		10.3	1.17	25633.84
	3/19/2015	14:20	3/19/2015 14:20		34	34	8	73	16.5		723.8	82.80	25716.65
	3/19/2015	15:23	3/19/2015 15:23		34	32	12	73	24.8		1302.9	149.05	25865.69
	3/19/2015	16:30	3/19/2015 16:30		33	30	14.5	73	29.7		1825.4	208.82	26074.52
	3/19/2015	16:32	3/19/2015 16:32			22					59.3	6.79	26081.31
SW-44 Event 29	3/24/2015	8:15	3/24/2015 8:15		30	30	0	63	0.0				26081.31
	3/24/2015	8:20	3/24/2015 8:20		35	34.5	0	63	0.0		0.0	0.00	26081.31
	3/24/2015	9:15	3/24/2015 9:15		34	33.5	4	64	8.3		229.5	26.26	26107.56
	3/24/2015	10:42	3/24/2015 10:42		34	33	6	66	12.5		906.5	103.71	26211.27
	3/24/2015	11:47	3/24/2015 11:47		34	33	6	70	12.4		810.5	92.72	26303.99
	3/24/2015	13:14	3/24/2015 13:14		34	33	8	70	16.6		1263.1	144.50	26448.49
	3/24/2015	13:18	3/24/2015 13:18			23					66.4	7.59	26456.08
SW-44 Event 30	3/26/2015	10:40	3/26/2015 10:40		32	33	0	83	0.0				26456.08
	3/26/2015	10:56	3/26/2015 10:56		32	33	0	85	0.0		0.0	0.00	26456.08
	3/26/2015	10:57	3/26/2015 10:57		35	36	0	85	0.0		0.0	0.00	26456.08
	3/26/2015	11:47	3/26/2015 11:47		35	36	0	86	0.0		0.0	0.00	26456.08
	3/26/2015	12:55	3/26/2015 12:55		35	36	0	84	0.0		0.0	0.00	26456.08
	3/26/2015	14:36	3/26/2015 14:36		34	35	3	74	6.2		313.0	35.81	26491.89
	3/26/2015	15:52	3/26/2015 15:52		34	35	4	87	8.2		545.7	62.42	26554.31
	3/26/2015	15:53	3/26/2015 15:53		35	36	4.5	87	9.3		8.7	1.00	26555.31
	3/26/2015	16:22	3/26/2015 16:22		35	36	4.5	87	9.3		269.0	30.78	26586.09
	3/26/2015	16:24	3/26/2015 16:24			25					18.6	2.12	26588.21
SW-44 Event 31	3/29/2015	9:44	3/29/2015 9:44		31	32	0	64	0.0				26588.21
	3/29/2015	10:07	3/29/2015 10:07		30	31	0	66	0.0		0.0	0.00	26588.21
	3/29/2015	10:08	3/29/2015 10:08		35	36	0	66	0.0		0.0	0.00	26588.21
	3/29/2015	10:18	3/29/2015 10:18		34	35	<2	67	0.0		0.0	0.00	26588.21
	3/29/2015	10:19	3/29/2015 10:19		35	36	3	67	6.3		3.2	0.36	26588.57
	3/29/2015	10:52	3/29/2015 10:52		35	36	4	68	8.4		242.6	27.76	26616.33
	3/29/2015	11:52	3/29/2015 11:52		35	35	5	70	10.5		566.3	64.79	26681.12
	3/29/2015	11:52	3/29/2015 11:52			26					0.0	0.00	26681.12
Total CO ₂ Mass (lbs):													26681.12

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)	
SW-45 Event 1	11/20/2013	9:30	11/20/2013 9:30						0.0					
	11/20/2013	9:31	11/20/2013 9:31	57	27	28.5	<2	64	0.0		0.0	0.00	0.00	
	11/20/2013	9:53	11/20/2013 9:53	57	30	28	<2	64	0.0		0.0	0.00	0.00	
	11/20/2013	11:02	11/20/2013 11:02	55	29	27.5	3.5	65	6.9		238.2	27.25	27.25	
	11/20/2013	11:04	11/20/2013 11:04	55	29	29	4.5	65	8.9		15.8	1.81	29.06	
	11/20/2013	12:39	11/20/2013 12:39	54	30	29	7.5	65	15.0		1132.6	129.57	158.63	
	11/20/2013	14:22	11/20/2013 14:22	52.5	30	28.2	9.3	64	18.5		1722.4	197.04	355.67	
	11/20/2013	15:00	11/20/2013 15:00	52.5	30	28.2	10.0	63.5	20.0		730.8	83.60	439.27	
	11/20/2013	15:01	11/20/2013 15:01								20.0	2.29	441.56	
	11/20/2013	15:02	11/20/2013 15:02			12							441.56	
SW-45 Event 2	11/25/2013	11:08	11/25/2013 11:08	53	24			60					441.56	
	11/25/2013	11:12	11/25/2013 11:12	55	26	28	<2	60.0	0.0				441.56	
	11/25/2013	11:35	11/25/2013 11:35	55	32	31	8	60.0	16.4		188.7	21.58	463.14	
	11/25/2013	12:30	11/25/2013 12:30	55	32	30	12	65.0	24.5		1124.5	128.64	591.78	
	11/25/2013	13:50	11/25/2013 13:50	55	31	29	15	65.0	30.3		2190.3	250.57	842.34	
	11/25/2013	15:00	11/25/2013 15:00	55	30	29	17	62.0	34.0		2250.4	257.45	1099.79	
	11/25/2013	15:58	11/25/2013 15:58								1973.5	225.77	1325.56	
	11/25/2013	16:00	11/25/2013 16:00			18							1325.56	
		12/3/2013	8:51	12/3/2013 8:51	54				66					1325.56
SW-45 Event 3	12/3/2013	8:52	12/3/2013 8:52	54	27	30	<2	66	0.0				1325.56	
	12/3/2013	8:56	12/3/2013 8:56	54	29	30.5	2	67	3.9		7.9	0.90	1326.46	
	12/3/2013	9:19	12/3/2013 9:19		29	30.5	7.5	68	14.8		214.9	24.59	1351.05	
	12/3/2013	10:13	12/3/2013 10:13	50	31	29	10	67	20.1		942.1	107.78	1458.83	
	12/3/2013	11:33	12/3/2013 11:33	50	30	28	12.5	69	24.8		1799.5	205.87	1664.69	
	12/3/2013	11:35	12/3/2013 11:35	50	31		13.25	69	26.6		51.5	5.89	1670.58	
	12/3/2013	12:25	12/3/2013 12:25	50	30	28	15	76	29.6		1406.2	160.87	1831.46	
	12/3/2013	13:12	12/3/2013 13:12	53	30	27	16	78	31.5		1436.9	164.38	1995.83	
	12/3/2013	13:13	12/3/2013 13:13								31.5	3.61	1999.44	
	12/3/2013	13:15	12/3/2013 13:15				17						1999.44	
		12/9/2013	8:18	12/9/2013 8:18						0.0				1999.44
	SW-45 Event 4	12/9/2013	8:19	12/9/2013 8:19	56	27	30	<2	63	0.0		0.0	0.00	1999.44
		12/9/2013	8:48	12/9/2013 8:48	50	27.5		5	64	9.7		140.7	16.09	2015.53
		12/9/2013	9:10	12/9/2013 9:10	50	28	28	6.5	64	12.7		246.2	28.17	2043.70
12/9/2013		9:48	12/9/2013 9:48	50	27	27	7.5	70	14.4		514.2	58.83	2102.53	
12/9/2013		10:15	12/9/2013 10:15	50	28	27	8	70	15.5		403.7	46.18	2148.71	
12/9/2013		11:05	12/9/2013 11:05	50	27	26	9	76	17.2		816.9	93.45	2242.16	
12/9/2013		11:43	12/9/2013 11:43	50	25	26	10.5	81	19.4		695.1	79.52	2321.68	
12/9/2013		12:40	12/9/2013 12:40	58	25	25	11.5	85	21.2		1157.9	132.46	2454.14	
12/9/2013		12:49	12/9/2013 12:49								190.8	21.83	2475.96	
12/9/2013		12:50	12/9/2013 12:50			18							2475.96	
		12/16/2013	12:38	12/16/2013 12:38	50	26	29	<2	67	0.0		0.0	0.00	2475.96
SW-45 Event 5		12/16/2013	13:00	12/16/2013 13:00	48	25	24	<2	68	0.0		0.0	0.00	2475.96
	12/16/2013	13:01	12/16/2013 13:01	45	30	28	5	68	9.9		5.0	0.57	2476.53	
	12/16/2013	13:12	12/16/2013 13:12								109.4	12.52	2489.05	
	12/16/2013	13:13	12/16/2013 13:13			17							2489.05	
	12/16/2013	15:42	12/16/2013 15:42	45	32	31	<2	68	0.0				2489.05	
	12/16/2013	16:41	12/16/2013 16:41	42	30	28	11.5	66	22.9		676.3	77.37	2566.42	
	12/16/2013	16:43	12/16/2013 16:43	42	31	29	13	66	26.2		49.1	5.62	2572.04	
	12/16/2013	17:10	12/16/2013 17:10	40	30	28	12.5	60	25.1		692.3	79.19	2651.24	
	12/16/2013	22:05	12/16/2013 22:05	50	29	25.5	20	48	40.1		9617.4	1100.23	3751.47	
	12/16/2013	22:06	12/16/2013 22:06	50	30	26.5	24	48	48.7		44.4	5.08	3756.55	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/17/2013	8:00	12/17/2013 8:00	45	30	24	26	50	52.7		30112.3	3444.85	7201.40
	12/17/2013	8:05	12/17/2013 8:05								263.4	30.13	7231.53
SW-45 Event 6	12/20/2013	9:08	12/20/2013 9:08	41	25	24	<2	68	0.0				7231.53
	12/20/2013	9:09	12/20/2013 9:09	42	34	30	3	68	6.2	3.1	0.36		7231.89
	12/20/2013	11:15	12/20/2013 11:15	40	30	27	16	81	31.4	2373.4	271.51		7503.40
	12/20/2013	12:24	12/20/2013 12:24	55	28	25	17	81	32.6	2210.6	252.89		7756.29
	12/20/2013	12:25	12/20/2013 12:25	54	32	28	22	81	44.2	38.4	4.39		7760.68
	12/20/2013	12:58	12/20/2013 12:58	51	32	27	23	82	46.2	1490.9	170.56		7931.24
	12/20/2013	13:08	12/20/2013 13:08							461.6	52.81		7984.05
	12/20/2013	13:09	12/20/2013 13:09			18							7984.05
SW-45 Event 7	1/7/2014	13:41	1/7/2014 13:41										7984.05
	1/7/2014	13:42	1/7/2014 13:42	55	29.5	29	<2	48	0.0				7984.05
	1/7/2014	15:30	1/7/2014 15:30	50	26.5	25	12	48	23.4	1262.0	144.37		8128.43
	1/7/2014	15:31	1/7/2014 15:31	50	30.5	28	16	48	32.7	28.0	3.21		8131.63
	1/7/2014	16:33	1/7/2014 16:33	49	30	27	18	44	36.7	2149.9	245.95		8377.58
	1/7/2014	16:34	1/7/2014 16:34	49	33	28	20.5	44	43.2	39.9	4.57		8382.15
	1/7/2014	17:33	1/7/2014 17:33	59	31	27.5	21.5	40	44.5	2586.9	295.94		8678.09
	1/7/2014	17:34	1/7/2014 17:34							44.5	5.09		8683.18
	1/7/2014	17:35	1/7/2014 17:35			19.5							8683.18
SW-45 Event 8	1/9/2014	12:13	1/9/2014 12:13	38	27	27	<2	64	0.0				8683.18
	1/9/2014	12:14	1/9/2014 12:14	38	28	29	<2	64	0.0	0.0	0.00		8683.18
	1/9/2014	12:15	1/9/2014 12:15	38	28	28	<2	64	0.0	0.0	0.00		8683.18
	1/9/2014	13:25	1/9/2014 13:25	37.5	26	26	6	63	11.4	400.4	45.81		8728.99
	1/9/2014	13:26	1/9/2014 13:26	37.5	28.5	28	9	63	17.7	14.6	1.67		8730.66
	1/9/2014	14:30	1/9/2014 14:30	35	28	27	11	61	21.5	1255.0	143.57		8874.23
	1/9/2014	14:31	1/9/2014 14:31	35	29	28	13.5	61	26.7	24.1	2.76		8876.99
	1/9/2014	15:20	1/9/2014 15:20	40	29	28	14	60	27.8	1335.1	152.74		9029.73
	1/9/2014	16:45	1/9/2014 16:45	40	29	28	15	59	29.8	2444.8	279.68		9309.41
	1/9/2014	16:46	1/9/2014 16:46			20				29.8	3.41		9312.82
SW-45 Event 9	1/13/2014	7:42	1/13/2014 7:42	57	31	29	<2	48	0.0				9312.82
	1/13/2014	8:34	1/13/2014 8:34	47	31	28.5	11	51	22.5	585.3	66.96		9379.78
	1/13/2014	9:35	1/13/2014 9:35	45	29	28	13.8	59	27.4	1521.9	174.11		9553.89
	1/13/2014	10:50	1/13/2014 10:50	45	28	26.5	15.9	70	30.9	2183.9	249.84		9803.73
	1/13/2014	10:53	1/13/2014 10:53	45	29	26.5	18	70	35.3	99.3	11.36		9815.08
	1/13/2014	11:52	1/13/2014 11:52	45	29	26.5	18	70	35.3	2084.9	238.51		10053.59
	1/13/2014	12:27	1/13/2014 12:27	45	29	26.5	18.2	71	35.7	1243.1	142.21		10195.80
	1/13/2014	12:29	1/13/2014 12:29			16				71.4	8.17		10203.97
SW-45 Event 10	1/14/2014	8:20	1/14/2014 8:20	46	24	22	<2	63	0.0				10203.97
	1/14/2014	8:22	1/14/2014 8:22	45	30	28	<2	63	0.0	0.0	0.00		10203.97
	1/14/2014	9:00	1/14/2014 9:00	47	28	27	7	63	13.7	259.8	29.72		10233.69
	1/14/2014	10:14	1/14/2014 10:14	44	27.5	26.5	10	64	19.4	1223.8	140.00		10373.70
	1/14/2014	11:22	1/14/2014 11:22	39	27	26	10.8	64	20.8	1367.7	156.47		10530.16
	1/14/2014	12:38	1/14/2014 12:38	44	26.5	25	10.8	66	20.7	1576.4	180.35		10710.51
	1/14/2014	12:41	1/14/2014 12:41			21				62.0	7.09		10717.60
SW-45 Event 11	1/15/2014	8:01	1/15/2014 8:01	55	29	29	<2	46	0.0				10717.60
	1/15/2014	8:42	1/15/2014 8:42	52	27.5	28	7.5	55	14.7	301.0	34.43		10752.03
	1/15/2014	8:43	1/15/2014 8:43	52	29	28	9.3	55	18.5	16.6	1.90		10753.93
	1/15/2014	9:50	1/15/2014 9:50	44	27.5	26	13	64	25.2	1465.7	167.67		10921.60
	1/15/2014	9:51	1/15/2014 9:51	44	29	27	15	64	29.6	27.4	3.14		10924.74
	1/15/2014	10:58	1/15/2014 10:58	40	29	26.5	17	68	33.4	2112.5	241.67		11166.41
	1/15/2014	12:03	1/15/2014 12:03	41	28.5	26	17.9	69	35.0	2223.3	254.35		11420.76

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/15/2014	12:06	1/15/2014 12:06								104.9	12.00	11432.76
	1/15/2014	12:07	1/15/2014 12:07			18							11432.76
SW-45 Event 12	1/16/2014	10:12	1/16/2014 10:12	45	29	28.5	<2	55	0.0				11432.76
	1/16/2014	11:16	1/16/2014 11:16	42	28	27.5	6	56	11.8		377.7	43.21	11475.97
	1/16/2014	13:20	1/16/2014 13:20	45	26	25	11	58	21.1		2038.6	233.22	11709.19
	1/16/2014	13:22	1/16/2014 13:22	45	28.5	26.5	15	58	29.6		50.7	5.80	11714.99
	1/16/2014	14:30	1/16/2014 14:30	46	28	26	17	68	33.0		2130.9	243.77	11958.76
	1/16/2014	14:31	1/16/2014 14:31			17					33.0	3.78	11962.54
SW-45 Event 13	1/17/2014	7:10	1/17/2014 7:10	57	29	28	3	40	6.1				11962.54
	1/17/2014	7:13	1/17/2014 7:13	57	28	27.5	4.2	40	8.4		21.7	2.48	11965.03
	1/17/2014	7:57	1/17/2014 7:57	51	26.5	26	10	44	19.6		615.0	70.35	12035.38
	1/17/2014	8:39	1/17/2014 8:39	50	26	25	10.5	52	20.2		835.7	95.61	12130.99
	1/17/2014	8:40	1/17/2014 8:40								20.2	2.32	12133.30
SW-45 Event 14	1/12/2015	8:17	1/12/2015 8:17		29	29	0	62	0.0				12133.30
	1/12/2015	8:35	1/12/2015 8:35		32	29	12	64	24.5		220.6	25.23	12158.54
	1/12/2015	9:30	1/12/2015 9:30		32	28	15	68	30.5		1513.2	173.11	12331.64
	1/12/2015	9:31	1/12/2015 9:31		34	29	18	68	37.4		34.0	3.89	12335.53
	1/12/2015	11:19	1/12/2015 11:19		34	27	21	68	43.6		4376.7	500.69	12836.22
	1/12/2015	12:15	1/12/2015 12:15		34	27	22	68	45.7		2502.1	286.24	13122.46
	1/12/2015	15:30	1/12/2015 15:30		34	26	22.5	68	46.8		9016.7	1031.51	14153.98
	1/12/2015	15:31	1/12/2015 15:31			19					46.8	5.35	14159.33
SW-45 Event 15	3/20/2015	7:45	3/20/2015 7:45		29	30	0	66	0.0				14159.33
	3/20/2015	7:54	3/20/2015 7:54		28	28	7	66	13.6		61.4	7.02	14166.35
	3/20/2015	7:55	3/20/2015 7:55		33	31.5	12	66	24.7		19.2	2.19	14168.54
	3/20/2015	8:27	3/20/2015 8:27		32	30	16	68	32.6		916.4	104.84	14273.38
	3/20/2015	9:13	3/20/2015 9:13		32	28.5	18	68	36.6		1590.9	182.00	14455.38
	3/20/2015	9:14	3/20/2015 9:14		35	30.5	22	68	46.2		41.4	4.74	14460.11
	3/20/2015	10:18	3/20/2015 10:18		35	29	24	70	50.3		3087.7	353.23	14813.34
	3/20/2015	10:19	3/20/2015 10:19			18					50.3	5.75	14819.10
SW-45 Event 16	3/23/2015	8:10	3/23/2015 8:10		31	32	0	64	0.0				14819.10
	3/23/2015	8:21	3/23/2015 8:21		30	30	7	64	14.0		76.9	8.80	14827.89
	3/23/2015	9:32	3/23/2015 9:32		29	28	12	64	23.7		1337.6	153.03	14980.92
	3/23/2015	9:33	3/23/2015 9:33		34	31	18	64	37.6		30.6	3.50	14984.42
	3/23/2015	10:44	3/23/2015 10:44		34	29	21.5	65	44.8		2924.1	334.52	15318.94
	3/23/2015	12:15	3/23/2015 12:15		34	27	24	68	49.9		4308.4	492.88	15811.82
	3/23/2015	12:16	3/23/2015 12:16			18					49.9	5.71	15817.53
SW-45 Event 17	3/26/2015	8:05	3/26/2015 8:05		32	32	0	66	0.0				15817.53
	3/26/2015	8:14	3/26/2015 8:14		32	31	8	66	16.3		73.4	8.39	15825.92
	3/26/2015	9:06	3/26/2015 9:06		30	28	12	68	23.9		1044.8	119.52	15945.44
	3/26/2015	9:07	3/26/2015 9:07		34	31.5	17.5	68	36.4		30.1	3.45	15948.89
	3/26/2015	10:00	3/26/2015 10:00		34	29	20	75	41.3		2057.7	235.40	16184.29
	3/26/2015	10:10	3/26/2015 10:10			18					412.8	47.22	16231.51
Total CO ₂ Mass (lbs):												16231.51	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)	
SW-46 Event 1	11/19/2013	8:30	11/19/2013 8:30	54	25		0		0.0					
	11/19/2013	8:32	11/19/2013 8:32		28	29.6	<2	68	0.0		0.0	0.00	0.00	
	11/19/2013	8:38	11/19/2013 8:38		27	28	<2	72	0.0		0.0	0.00	0.00	
	11/19/2013	8:42	11/19/2013 8:42		27	27.6	4	72	7.7		15.3	1.75	1.75	
	11/19/2013	8:43	11/19/2013 8:43		29	29.2	5	72	9.8		8.7	1.00	2.75	
	11/19/2013	9:05	11/19/2013 9:05		29	28	8	72	15.7		280.2	32.05	34.80	
	11/19/2013	10:30	11/19/2013 10:30		28	26.4	12	76	23.1		1650.0	188.76	223.56	
	11/19/2013	10:31	11/19/2013 10:31			31	28	15	76	29.9		26.5	3.04	226.60
	11/19/2013	11:25	11/19/2013 11:25	57.5			15.25	77	17.2		1272.2	145.54	372.14	
	11/19/2013	12:00	11/19/2013 12:00	57.5	31	27.2	16	76	31.9		859.5	98.33	470.47	
	11/19/2013	12:07	11/19/2013 12:07		32	27.6	17	77	34.3		231.8	26.52	496.99	
	11/19/2013	12:08	11/19/2013 12:08		33	28.4	18	77	36.7		35.5	4.06	501.04	
	11/19/2013	12:39	11/19/2013 12:39	56	33	28.4	19	78	38.7		1168.5	133.67	634.72	
	11/19/2013	12:40	11/19/2013 12:40		43						38.7	4.43	639.15	
	11/19/2013	12:41	11/19/2013 12:41		43	17.2							639.15	
SW-46 Event 2	12/3/2013	13:07	12/3/2013 13:07	56	30	29	9	84	17.6				639.15	
	12/3/2013	13:38	12/3/2013 13:38	52	29	24	20	85	38.7		873.2	99.89	739.04	
	12/3/2013	13:39	12/3/2013 13:39	51	33	27	23.5	85	47.5		43.1	4.93	743.97	
	12/3/2013	14:45	12/3/2013 14:45	50	32	24.5	25.5	80	51.3		3260.9	373.05	1117.02	
	12/3/2013	16:02	12/3/2013 16:02	49	32	24	26.5	74	53.6		4037.6	461.91	1578.93	
	12/3/2013	17:05	12/3/2013 17:05	54	32	24	27.5	67	56.0		3452.3	394.95	1973.87	
	12/3/2013	17:07	12/3/2013 17:07								112.0	12.81	1986.68	
	12/3/2013	17:08	12/3/2013 17:08										1986.68	
	SW-46 Event 3	12/9/2013	13:21	12/9/2013 13:21				0		0.0				1986.68
12/9/2013		13:22	12/9/2013 13:22	55	29	31	<2		0.0		0.0	0.00	1986.68	
12/9/2013		13:24	12/9/2013 13:24	55	29	29	11	92	21.1		21.1	2.42	1989.10	
12/9/2013		13:25	12/9/2013 13:25	55	29	24	14	92	26.9		24.0	2.75	1991.85	
12/9/2013		13:28	12/9/2013 13:28	55	29	24	17	92	32.7		89.4	10.23	2002.08	
12/9/2013		13:32	12/9/2013 13:32	55	29	24	20	92.0	38.4		142.3	16.27	2018.35	
12/9/2013		13:58	12/9/2013 13:58	50	28	22.5	21	90.0	40.0		1019.5	116.63	2134.99	
12/9/2013		13:59	12/9/2013 13:59	50	29	23.5	22.5	90.0	43.3		41.7	4.77	2139.75	
12/9/2013		14:22	12/9/2013 14:22	50	29	23	24	90.0	46.2		1029.9	117.83	2257.58	
12/9/2013		15:26	12/9/2013 15:26	48	29	22	25	82.0	48.5		3031.7	346.82	2604.40	
12/9/2013		15:27	12/9/2013 15:27	48	30	22	26.5	82.0	52.0		50.3	5.75	2610.15	
12/9/2013		16:45	12/9/2013 16:45	45	31	20	27	75.0	54.0		4133.2	472.83	3082.99	
12/9/2013		17:26	12/9/2013 17:26	50	32	21	27	74.0	54.6		2225.6	254.61	3337.60	
12/9/2013		17:27	12/9/2013 17:27								54.6	6.25	3343.85	
12/9/2013	17:28	12/9/2013 17:28			16.5							3343.85		
SW-46 Event 4	12/16/2013	12:10	12/16/2013 12:10		25	23	19	70	35.5				3343.85	
	12/16/2013	12:12	12/16/2013 12:12		28	23	23	70	44.6		80.2	9.17	3353.01	
	12/16/2013	12:54	12/16/2013 12:54	50	25	20	25.5	72	47.6		1936.6	221.54	3574.56	
	12/16/2013	12:55	12/16/2013 12:55	50	30	22	30	72	59.5		53.5	6.12	3580.68	
	12/16/2013	13:15	12/16/2013 13:15		29		31	70	60.9		1203.2	137.64	3718.32	
	12/16/2013	13:16	12/16/2013 13:16								60.9	6.96	3725.29	
	12/16/2013	14:36	12/16/2013 14:36		26	23	20	76	37.7				3725.29	
	12/16/2013	14:37	12/16/2013 14:37		26	23	22	76	41.4		39.5	4.52	3729.81	
	12/16/2013	14:40	12/16/2013 14:40	52	30	24.5	26.5	76	52.3		140.6	16.09	3745.89	
	12/16/2013	14:43	12/16/2013 14:43	52	30	24	27.3	76	53.9		159.3	18.23	3764.12	
	12/16/2013	14:44	12/16/2013 14:44	52	31	24.5	29	76	57.9		55.9	6.39	3770.52	
	12/16/2013	14:56	12/16/2013 14:56	46	30	23.5	24	74	47.5		632.3	72.33	3842.85	
	12/16/2013	15:56	12/16/2013 15:56	45	30	23	30	70	59.6		3211.5	367.39	4210.24	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/16/2013	16:49	12/16/2013 16:49	45	29	22	30	66	59.1		3145.6	359.85	4570.09
	12/16/2013	17:42	12/16/2013 17:42	45	30	22	30	54	60.5		3170.8	362.74	4932.83
	12/16/2013	17:43	12/16/2013 17:43								60.5	6.92	4939.76
	12/16/2013	17:44	12/16/2013 17:44			18							4939.76
SW-46 Event 5	1/9/2014	12:36	1/9/2014 12:36	43	29.5	25	<2	64	0.0				4939.76
	1/9/2014	12:37	1/9/2014 12:37	43	31	30	<2	64	0.0	0.0	0.00		4939.76
	1/9/2014	12:38	1/9/2014 12:38	43	29.5	28	<2	64	0.0	0.0	0.00		4939.76
	1/9/2014	13:35	1/9/2014 13:35	42	26.5	26	7	65	13.4	382.0	43.70		4983.46
	1/9/2014	13:37	1/9/2014 13:37	42	28	27	9.5	65	18.5	31.9	3.65		4987.11
	1/9/2014	13:38	1/9/2014 13:38	42	29.5	28	10	65	19.8	19.2	2.19		4989.30
	1/9/2014	14:24	1/9/2014 14:24	40	29	27.5	12	64	23.7	1001.4	114.56		5103.86
	1/9/2014	14:25	1/9/2014 14:25	40	30	28	14	64	28.0	25.8	2.96		5106.82
	1/9/2014	15:15	1/9/2014 15:15	45	30	27.5	14.5	63	29.0	1424.0	162.90		5269.72
	1/9/2014	17:00	1/9/2014 17:00	50	30	27	16.5	60	33.1	3259.4	372.87		5642.60
	1/9/2014	17:01	1/9/2014 17:01			26							5642.60
SW-46 Event 6	1/14/2014	8:35	1/14/2014 8:35			23							5642.60
	1/14/2014	8:37	1/14/2014 8:37				0		0.0				5642.60
	1/14/2014	10:32	1/14/2014 10:32	45	25	23	11	64	20.7	1189.7	136.10		5778.70
	1/14/2014	10:34	1/14/2014 10:34	45	29	26	17.8	64	35.2	55.8	6.39		5785.08
	1/14/2014	10:35	1/14/2014 10:35	45	30.5	27	20	64	40.2	37.7	4.31		5789.39
	1/14/2014	11:17	1/14/2014 11:17	45	29.5	25	22	65	43.7	1760.4	201.39		5990.79
	1/14/2014	11:19	1/14/2014 11:19	45	30.5	26	23.2	65	46.6	90.2	10.32		6001.11
	1/14/2014	11:44	1/14/2014 11:44	43	30.5	26	24.2	65	48.6	1189.1	136.03		6137.14
	1/14/2014	13:16	1/14/2014 13:16	49	32	26	26.5	70	53.8	4709.1	538.72		6675.86
	1/14/2014	13:17	1/14/2014 13:17							53.8	6.16		6682.02
	1/14/2014	13:18	1/14/2014 13:18										6682.02
SW-46 Event 7	1/16/2014	7:39	1/16/2014 7:39	60	20	20	<2	38	0.0				6682.02
	1/16/2014	7:40	1/16/2014 7:40		28.5	28.5	5	38	10.1	5.0	0.58		6682.59
	1/16/2014	7:42	1/16/2014 7:42	60	28.5	28.5	8.2	38	16.5	26.6	3.04		6685.64
	1/16/2014	8:45	1/16/2014 8:45	53	26	24.5	14.3	50	27.6	1390.7	159.10		6844.74
	1/16/2014	8:46	1/16/2014 8:46	53	30	27	21	50	42.5	35.1	4.01		6848.75
	1/16/2014	9:34	1/16/2014 9:34	49	30	26	22	56	44.3	2084.1	238.43		7087.18
	1/16/2014	9:35	1/16/2014 9:35	49	31	27	24	56	48.9	46.6	5.33		7092.50
	1/16/2014	10:39	1/16/2014 10:39	46	30.5	26	25	60	50.4	3177.4	363.49		7455.99
	1/16/2014	11:45	1/16/2014 11:45	45	30.5	25	25	62	50.3	3324.5	380.32		7836.32
	1/16/2014	11:47	1/16/2014 11:47			19							7836.32
SW-46 Event 8	1/23/2014	9:18	1/23/2014 9:18	52	29.2	29	3.5	48	7.0				7836.32
	1/23/2014	9:42	1/23/2014 9:42	50	17	27	8.5	48	14.5	258.4	29.56		7865.88
	1/23/2014	9:43	1/23/2014 9:43	50	28.5	28	11.2	48	22.3	18.4	2.11		7867.99
	1/23/2014	9:54	1/23/2014 9:54	50	18.5	28	11.8	48	20.6	236.2	27.02		7895.01
	1/23/2014	10:58	1/23/2014 10:58	48	27	25	16.2	50	31.7	1672.9	191.38		8086.39
	1/23/2014	11:36	1/23/2014 11:36	48	27	24	17	52	33.2	1232.3	140.97		8227.36
	1/23/2014	13:21	1/23/2014 13:21	53	26	23	18.3	62	34.9	3575.4	409.03		8636.39
	1/23/2014	13:22	1/23/2014 13:22							34.9	4.00		8640.38
	1/23/2014	13:23	1/23/2014 13:23			19							8640.38
	1/23/2014	14:10	1/23/2014 14:10										8640.38
SW-46 Event 8	4/13/2015	7:32	4/13/2015 7:32		30	27.5	0	74	0.0				8640.38
	4/13/2015	8:13	4/13/2015 8:13		28	25	3	74	5.8	118.9	13.60		8653.98
	4/13/2015	8:15	4/13/2015 8:15		34	30	6	74	12.4	18.2	2.08		8656.06
	4/13/2015	9:18	4/13/2015 9:18		33	28.5	9	76	18.4	968.9	110.85		8766.91
	4/13/2015	9:19	4/13/2015 9:19		37	32	12	76	25.5	21.9	2.51		8769.42

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	4/13/2015	11:04	4/13/2015 11:04		37	31	13.5	80	28.6		2839.8	324.87	9094.29
	4/13/2015	12:22	4/13/2015 12:22		37	30.5	14	86	29.5		2264.3	259.03	9353.32
	4/13/2015	12:59	4/13/2015 12:59		37	30	14	88	29.4		1089.5	124.64	9477.96
	4/13/2015	14:03	4/13/2015 14:03		37	29.5	14.5	90	30.4		1914.5	219.02	9696.98
	4/13/2015	15:08	4/13/2015 15:08		37	29	15.5	90	32.5		2044.9	233.93	9930.91
	4/13/2015	16:10	4/13/2015 16:10		37	29	16	87	33.7		2051.0	234.63	10165.54
	4/13/2015	16:18	4/13/2015 16:18			16.5					269.2	30.80	10196.34
SW-46 Event 9	4/16/2015	10:30	4/16/2015 10:30		30	28	0	72	0.0				10196.34
	4/16/2015	10:42	4/16/2015 10:42		28	26	<2	72	0.0		0.0	0.00	10196.34
	4/16/2015	10:43	4/16/2015 10:43		34	31	5	72	10.4		5.2	0.59	10196.93
	4/16/2015	11:27	4/16/2015 11:27		34	29	9.5	72	19.7		660.3	75.54	10272.48
	4/16/2015	11:28	4/16/2015 11:28		37	32.5	12	72	25.6		22.6	2.59	10275.06
	4/16/2015	12:25	4/16/2015 12:25		37	31	12	74	25.6		1458.2	166.81	10441.88
	4/16/2015	13:38	4/16/2015 13:38		37	30	13	76	27.6		1941.4	222.10	10663.97
	4/16/2015	13:40	4/16/2015 13:40		39	32	16	76	34.7		62.3	7.13	10671.10
	4/16/2015	14:46	4/16/2015 14:46		39	31	16	76	34.7		2288.3	261.78	10932.89
	4/16/2015	15:42	4/16/2015 15:42		39	30.5	16	76	34.7		1941.6	222.12	11155.01
	4/16/2015	15:43	4/16/2015 15:43								34.7	3.97	11158.97
Total CO ₂ Mass (lbs):												11158.97	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-47 Event 1	11/18/2013	10:59	11/18/2013 10:59	50	26			80	0.0				0.00
	11/18/2013	11:01	11/18/2013 11:01	64	30	30	0	80	0.0		0.0	0.00	0.00
	11/18/2013	11:13	11/18/2013 11:13	60	28	27.6	6	80	11.5		69.2	7.91	7.91
	11/18/2013	11:15	11/18/2013 11:15	60	30	29.6	7	80	13.8		25.3	2.89	10.81
	11/18/2013	11:26	11/18/2013 11:26	60	30	29.2	8	80	15.7		162.3	18.56	29.37
	11/18/2013	11:52	11/18/2013 11:52	60	30	28	12	84	23.5		510.2	58.37	87.74
	11/18/2013	11:54	11/18/2013 11:54	60	32	29.5	15	83	30.1		53.6	6.13	93.87
	11/18/2013	12:53	11/18/2013 12:53	58	32	28.8	14	83	28.1		1744.4	199.56	293.43
	11/18/2013	12:54	11/18/2013 12:54	58	34	27.6	16	83	32.8		2007.8	229.69	523.12
	11/18/2013	14:00	11/18/2013 14:00	56	34	29.6	17	80	34.9		2538.4	290.39	813.52
	11/18/2013	15:15	11/18/2013 15:15	52.5	32.5	29.2	17.5	78	35.4		527.8	60.38	873.89
	11/18/2013	15:30	11/18/2013 15:30								70.9	8.11	882.00
	11/18/2013	15:32	11/18/2013 15:32			20.8							882.00
SW-47 Event 2	12/3/2013	8:30	12/3/2013 8:30	60	24								882.00
	12/3/2013	8:31	12/3/2013 8:31	60	25	28	6	64	11.3		11.3	1.29	883.29
	12/3/2013	9:05	12/3/2013 9:05	55	28	25.6	17.5	68	34.0		770.2	88.11	971.41
	12/3/2013	9:07	12/3/2013 9:07	55	30	26.4	18	67.5	35.8		69.9	7.99	979.40
	12/3/2013	10:08	12/3/2013 10:08	54	30	25.2	19	67	37.8		2247.0	257.06	1236.46
	12/3/2013	10:10	12/3/2013 10:10	54	32	27.6	22	67	44.8		82.6	9.45	1245.91
	12/3/2013	11:17	12/3/2013 11:17	53	32.5	26.8	23	69	47.0		3075.3	351.81	1597.73
	12/3/2013	12:17	12/3/2013 12:17	51	34	26	24	76	49.5		2894.6	331.14	1928.87
	12/3/2013	12:53	12/3/2013 12:53	55	34	26	24	82	49.2		1776.5	203.23	2132.10
	12/3/2013	12:56	12/3/2013 12:56			16							2132.10
	SW-47 Event 3	12/9/2013	8:57	12/9/2013 8:57	55	33	30.5	<2	64.0	0.0			
12/9/2013		8:58	12/9/2013 8:58	55	28	24	16	64.0	31.2		15.6	1.79	2133.88
12/9/2013		9:00	12/9/2013 9:00	52.5	28	30	22	64	42.9		74.2	8.48	2142.37
12/9/2013		9:24	12/9/2013 9:24	51	28	21	25	67	48.6		1099.0	125.73	2268.10
12/9/2013		10:03	12/9/2013 10:03	50	29	20	26	72	50.9		1942.0	222.17	2490.27
12/9/2013		10:50	12/9/2013 10:50	50	28	20	26	74.0	50.3		2378.1	272.05	2762.32
12/9/2013		11:28	12/9/2013 11:28	50	28	18	26	82.0	49.9		1902.3	217.62	2979.94
12/9/2013		12:42	12/9/2013 12:42	50	28	18	26	90.0	49.5		3676.4	420.58	3400.51
12/9/2013		13:15	12/9/2013 13:15	52	28	14	26.5	90.0	50.4		1649.0	188.64	3589.16
12/9/2013		13:17	12/9/2013 13:17			12							3589.16
SW-47 Event 4	12/16/2013	7:59	12/16/2013 7:59	55	24	29	<2	43.0	0.0				3589.16
	12/16/2013	8:01	12/16/2013 8:01	55	22	20	<2	43.0	0.0		0.0	0.00	3589.16
	12/16/2013	8:48	12/16/2013 8:48	45	38	30	24	50.0	52.9		1242.4	142.13	3731.29
	12/16/2013	9:50	12/16/2013 9:50	45	37	29	24	58.0	51.9		3248.8	371.66	4102.95
	12/16/2013	10:40	12/16/2013 10:40	45	36	29	24	65.0	51.1		2574.7	294.55	4397.50
	12/16/2013	11:40	12/16/2013 11:40	50	35	27	24	68.0	50.4		3043.6	348.19	4745.69
	12/16/2013	11:52	12/16/2013 11:52	50	35	27	24	68.0	50.4		604.7	69.18	4814.87
	12/16/2013	11:53	12/16/2013 11:53								50.4	5.77	4820.63
	12/16/2013	11:54	12/16/2013 11:54			19							4820.63
	SW-47 Event 5	1/9/2014	8:04	1/9/2014 8:04	55	26	24	10	54.0	19.2			
1/9/2014		8:06	1/9/2014 8:06	55	26	24	15	54.0	28.9		48.1	5.50	4826.13
1/9/2014		8:07	1/9/2014 8:07	55	26	22	19	54.0	36.6		32.7	3.74	4829.88
1/9/2014		8:09	1/9/2014 8:09	55	26	22	19	54.0	36.6		73.1	8.36	4838.24
1/9/2014		8:17	1/9/2014 8:17	55	25.5	22	19.5	54.0	37.3		295.3	33.79	4872.02
1/9/2014		8:18	1/9/2014 8:18	55	29	24.5	23.5	54.0	46.9		42.1	4.81	4876.84
1/9/2014		8:54	1/9/2014 8:54	53	28	22	24.5	55.0	48.2		1712.1	195.87	5072.70
1/9/2014		10:10	1/9/2014 10:10	50	27.5	22	26	58.0	50.7		3761.6	430.33	5503.03
1/9/2014		11:33	1/9/2014 11:33	42	27	22	26	68.0	49.9		4178.4	478.01	5981.04

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/9/2014	12:31	1/9/2014 12:31	40	26	20	26	64.0	49.5		2884.5	329.99	6311.03
	1/9/2014	12:32	1/9/2014 12:32								49.5	5.67	6316.69
	1/9/2014	12:34	1/9/2014 12:34				14						6316.69
SW-47 Event 6	1/21/2014	9:44	1/21/2014 9:44	46	29.5	30.5	8	67.0	15.8				6316.69
	1/21/2014	9:48	1/21/2014 9:48	46	27	26.5	12	67.0	23.1		77.8	8.90	6325.60
	1/21/2014	9:49	1/21/2014 9:49	43	29.5	28	16	67.0	31.7		27.4	3.13	6328.73
	1/21/2014	10:22	1/21/2014 10:22	42	28.5	26	19	68.0	37.2		1135.9	129.94	6458.67
	1/21/2014	11:50	1/21/2014 11:50	40	27	23.5	20.5	70.0	39.3		3364.1	384.85	6843.52
	1/21/2014	13:22	1/21/2014 13:22	52	27	23.5	22.2	75.0	42.4		3756.1	429.70	7273.22
	1/21/2014	14:28	1/21/2014 14:28	50	28	23	22.5	74.0	43.5		2832.8	324.07	7597.29
	1/21/2014	15:37	1/21/2014 15:37	49	28	22.5	23	68.0	44.7		3042.9	348.11	7945.39
	1/21/2014	15:39	1/21/2014 15:39								89.4	10.23	7955.63
	1/21/2014	15:40	1/21/2014 15:40			18							7955.63
SW-47 Event 7	1/22/2014	9:07	1/22/2014 9:07	54	30	30	<2	50.0	0.0				7955.63
	1/22/2014	9:34	1/22/2014 9:34	53	28	28.5	3	50.0	5.9		80.2	9.17	7964.80
	1/22/2014	9:35	1/22/2014 9:35	52	30	30	5	50.0	10.1		8.0	0.92	7965.71
	1/22/2014	10:09	1/22/2014 10:09	48	30	29.5	6.8	54.0	13.7		405.4	46.38	8012.09
	1/22/2014	11:13	1/22/2014 11:13	46	29	28	9.3	56.0	18.5		1031.4	117.99	8130.09
	1/22/2014	11:13	1/22/2014 11:13	46	31	30	13.5	56.0	27.5		0.0	0.00	8130.09
	1/22/2014	12:19	1/22/2014 12:19	45	31	29.5	14	57.0	28.5		1847.0	211.30	8341.38
	1/22/2014	13:05	1/22/2014 13:05	46	30.5	19.5	15.2	60.0	30.7		1360.1	155.60	8496.98
	1/22/2014	14:29	1/22/2014 14:29	47	30	18.5	16.2	60.0	32.5		2652.1	303.40	8800.38
	1/22/2014	14:31	1/22/2014 14:31								65.0	7.43	8807.81
	1/22/2014	14:32	1/22/2014 14:32			21							8807.81
SW-47 Event 8	3/3/2015	7:54	3/3/2015 7:54		28	27.5	0	65	0.0				8807.81
	3/3/2015	8:12	3/3/2015 8:12		28	27	3.5	66	6.8		61.4	7.02	8814.83
	3/3/2015	9:49	3/3/2015 9:49		28	26	6	74	11.6		893.1	102.17	8917.00
	3/3/2015	9:58	3/3/2015 9:58		36	32	14	74	29.5		185.0	21.17	8938.17
	3/3/2015	11:20	3/3/2015 11:20		36	30	14	80	29.4		2413.8	276.13	9214.30
	3/3/2015	15:02	3/3/2015 15:02		36	28.5	16	83	33.4		6970.6	797.43	10011.74
	3/3/2015	15:03	3/3/2015 15:03		39	31	18	83	38.7		36.1	4.13	10015.87
	3/3/2015	17:05	3/3/2015 17:05		39	31	19.5	80	42.1		4931.0	564.10	10579.97
	3/3/2015	17:06	3/3/2015 17:06			20.5					42.1	4.82	10584.78
SW-47 Event 9	3/11/2015	12:31	3/11/2015 12:31		31	31	0	94	0.0				10584.78
	3/11/2015	12:50	3/11/2015 12:50		30	28.5	6.5	94	12.6		119.9	13.71	10598.49
	3/11/2015	12:53	3/11/2015 12:53		36	33.5	12.5	94	25.9		57.7	6.60	10605.10
	3/11/2015	13:52	3/11/2015 13:52		36	31	14	91	29.0		1619.7	185.29	10790.39
	3/11/2015	15:04	3/11/2015 15:04		35	30.5	16	91	32.9		2228.6	254.95	11045.34
	3/11/2015	16:29	3/11/2015 16:29		35	30	16.5	87	34.0		2842.3	325.15	11370.50
	3/11/2015	17:50	3/11/2015 17:50		35	29	18	84	37.2		2884.8	330.02	11700.52
	3/11/2015	17:51	3/11/2015 17:51			20					37.2	4.26	11704.78
											Total CO ₂ Mass (lbs):		11704.78

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)	
SW-48 Event 1	11/22/2013	13:13	11/22/2013 13:13	48	25			84	0.0				0	
	11/22/2013	13:16	11/22/2013 13:16		29	29.5	<2	84	0.0		0.0	0.00	0.00	
	11/22/2013	13:30	11/22/2013 13:30		28	28.5	<2	80	0.0		0.0	0.00	0.00	
	11/22/2013	13:32	11/22/2013 13:32		30	31	3	80	5.9		5.9	0.67	0.67	
	11/22/2013	14:10	11/22/2013 14:10		29	30	5.5	80	10.7		315.3	36.07	36.74	
	11/22/2013	14:11	11/22/2013 14:11		30	31	7.5	80	14.8		12.7	1.46	38.20	
	11/22/2013	15:26	11/22/2013 15:26			30	31	9	76	17.8		1219.5	139.51	177.71
	11/22/2013	16:39	11/22/2013 16:39	50	30	30.5	10	75	19.8		1369.9	156.71	334.42	
	11/22/2013	17:26	11/22/2013 17:26	50	30	30.5	10.5	72	20.8		953.5	109.08	443.50	
	11/22/2013	17:27	11/22/2013 17:27								20.8	2.38	445.88	
	11/22/2013	17:29	11/22/2013 17:29			21							445.88	
SW-48 Event 2	12/6/2013	13:27	12/6/2013 13:27	50	31	30.5	<2	86	0.0				445.88	
	12/6/2013	13:42	12/6/2013 13:42	49	31	30.5	5	88	9.9		74.0	8.47	454.34	
	12/6/2013	14:42	12/6/2013 14:42	49	30	29.5	7	86	13.7		706.7	80.85	535.20	
	12/6/2013	14:44	12/6/2013 14:44	49	31	31.5	10	86	19.8		33.5	3.83	539.02	
	12/6/2013	16:05	12/6/2013 16:05	45	31	30.5	10.75	77	21.4		1669.3	190.97	730.00	
	12/6/2013	16:32	12/6/2013 16:32	45	31	30	11	77	21.9		585.7	67.00	797.00	
	12/6/2013	17:34	12/6/2013 17:34	50	32	29.5	13.5	71	27.4		1529.1	174.93	971.92	
	12/6/2013	17:37	12/6/2013 17:37		32	29.5	13.5	71	27.4		82.2	9.40	981.32	
	12/6/2013	17:38	12/6/2013 17:38			22					27.4	3.13	984.46	
	12/11/2013	13:41	12/11/2013 13:41	50	30	32	<2	68	0.0				984.46	
12/11/2013	14:18	12/11/2013 14:18	50	25	24	<2	68	0.0		0.0	0.00	984.46		
12/11/2013	14:19	12/11/2013 14:19	50	30	29	7.5	68	14.9		7.5	0.85	985.31		
12/11/2013	15:12	12/11/2013 15:12	50	30	28	9	68	17.9		870.0	99.53	1084.84		
12/11/2013	15:14	12/11/2013 15:14	50	32.5	30	12.5	68	25.6		43.5	4.97	1089.81		
12/11/2013	16:38	12/11/2013 16:38	45	32.5	29	16	65	32.8		2452.4	280.56	1370.37		
12/11/2013	17:32	12/11/2013 17:32	45	32	28	19	64	38.8		1934.0	221.25	1591.62		
12/11/2013	17:41	12/11/2013 17:41								349.3	39.95	1631.58		
12/11/2013	17:42	12/11/2013 17:42										1631.58		
SW-48 Event 4	12/18/2013	8:05	12/18/2013 8:05	47.5	30	30	<2	50	0.0				1631.58	
	12/18/2013	9:06	12/18/2013 9:06	45	30	27	7	62	14.0		427.3	48.89	1680.46	
	12/18/2013	9:08	12/18/2013 9:08	49	32	30	12	62	24.6		38.6	4.41	1684.87	
	12/18/2013	9:56	12/18/2013 9:56	44	30	30	13.5	64	27.0		1236.6	141.47	1826.34	
	12/18/2013	11:23	12/18/2013 11:23	50	30	28	18	67	35.8		2732.5	312.60	2138.94	
	12/18/2013	11:24	12/18/2013 11:24	50	31	29	21	67	42.3		39.1	4.47	2143.41	
	12/18/2013	12:22	12/18/2013 12:22	50	30	28	22	65	43.9		2499.8	285.98	2429.39	
	12/18/2013	12:23	12/18/2013 12:23								43.9	5.02	2434.41	
	12/18/2013	12:24	12/18/2013 12:24			20							2434.41	
	12/20/2013	7:47	12/20/2013 7:47	28	24	29	4	60	7.5				2434.41	
12/20/2013	8:40	12/20/2013 8:40	28	25	25	9	64	16.9		646.2	73.93	2508.33		
12/20/2013	8:42	12/20/2013 8:42	34	30	29.5	16	64	32.0		48.9	5.59	2513.93		
12/20/2013	10:08	12/20/2013 10:08	34	30	29	18	72	35.7		2908.3	332.71	2846.64		
12/20/2013	11:06	12/20/2013 11:06	34	31	27	18	72	36.1		2080.8	238.05	3084.69		
12/20/2013	12:02	12/20/2013 12:02	34	30	27	20	72	39.6		2120.1	242.54	3327.23		
12/20/2013	12:03	12/20/2013 12:03								39.6	4.53	3331.76		
12/20/2013	12:04	12/20/2013 12:04			21							3331.76		
SW-48 Event 6	1/9/2014	10:27	1/9/2014 10:27						0.0				3331.76	
	1/9/2014	10:28	1/9/2014 10:28	50	30	31	4	63	8.0		4.0	0.46	3332.22	
	1/9/2014	10:34	1/9/2014 10:34	49	29	30	7.5	63	14.8		68.5	7.83	3340.05	
	1/9/2014	10:36	1/9/2014 10:36	48	30.5	31	9	63	18.1		32.9	3.77	3343.82	
	1/9/2014	11:08	1/9/2014 11:08	42	29.5	30.5	12	61	23.9		672.0	76.88	3420.70	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/9/2014	12:34	1/9/2014 12:34	41	28	28	15.5	62	30.3		2331.3	266.70	3687.40
	1/9/2014	12:36	1/9/2014 12:36	41	31	30	19.5	62	39.5		69.8	7.98	3695.38
	1/9/2014	14:22	1/9/2014 14:22	39	29	27.5	20	60	39.7		4193.5	479.73	4175.12
	1/9/2014	14:40	1/9/2014 14:40	39	29	27.5	20	60	39.7		713.7	81.65	4256.77
	1/9/2014	14:41	1/9/2014 14:41								39.7	4.54	4261.30
	1/9/2014	14:42	1/9/2014 14:42			22							4261.30
SW-48 Event 7	1/11/2014	8:34	1/11/2014 8:34						0.0				4261.30
	1/11/2014	8:35	1/11/2014 8:35	46	30	30	3	66	6.0		3.0	0.34	4261.64
	1/11/2014	8:37	1/11/2014 8:37	46	32	31	5	66	10.2		16.2	1.85	4263.49
	1/11/2014	8:51	1/11/2014 8:51	46	31	30	10	66	20.2		212.5	24.31	4287.80
	1/11/2014	8:52	1/11/2014 8:52	45	33	31	14	66	28.8		24.5	2.80	4290.60
	1/11/2014	10:47	1/11/2014 10:47	42	31	27.5	18.5	70	37.2		3794.9	434.14	4724.74
	1/11/2014	10:49	1/11/2014 10:49	41	33	29	21	70	43.1		80.3	9.18	4733.92
	1/11/2014	11:13	1/11/2014 11:13	41	33.5	29	24	70	49.5		1111.4	127.15	4861.07
	1/11/2014	11:33	1/11/2014 11:33	48	38	31	28	72	60.3		1098.5	125.67	4986.74
	1/11/2014	11:35	1/11/2014 11:35								120.7	13.80	5000.55
	1/11/2014	11:36	1/11/2014 11:36			21							5000.55
SW-48 Event 8	1/14/2014	7:52	1/14/2014 7:52						0.0				5000.55
	1/14/2014	7:53	1/14/2014 7:53	50	31.5	31.5	7	62	14.2		7.1	0.81	5001.36
	1/14/2014	8:16	1/14/2014 8:16	42	31.5	29	12.5	64	25.4		455.8	52.15	5053.51
	1/14/2014	8:18	1/14/2014 8:18	45	33	31	16	64	33.0		58.4	6.68	5060.19
	1/14/2014	9:48	1/14/2014 9:48	45	33	30.5	18	64	37.2		3158.7	361.36	5421.55
	1/14/2014	10:52	1/14/2014 10:52	43	31.5	28	18	65	36.5		2358.0	269.76	5691.31
	1/14/2014	10:54	1/14/2014 10:54	43	33.5	29	21	65	43.5		80.1	9.16	5700.47
	1/14/2014	12:00	1/14/2014 12:00	42	34	29	23.5	65	49.0		3053.3	349.30	6049.77
	1/14/2014	12:02	1/14/2014 12:02								98.0	11.21	6060.98
	1/14/2014	12:03	1/14/2014 12:03			22							6060.98
SW-48 Event 9	1/16/2014	8:26	1/16/2014 8:26	53	27.5	27.5	<2	47	0.0				6060.98
	1/16/2014	8:28	1/16/2014 8:28		30	29	6	47	12.2		12.2	1.39	6062.37
	1/16/2014	8:30	1/16/2014 8:30	53	31	29.5	8.2	47	16.9		29.0	3.32	6065.70
	1/16/2014	9:23	1/16/2014 9:23	48	30	28	12.8	56	25.8		1129.5	129.22	6194.92
	1/16/2014	9:24	1/16/2014 9:24	48	32	30	16	56	32.9		29.4	3.36	6198.27
	1/16/2014	10:31	1/16/2014 10:31	45	32	29.5	18	58	37.0		2342.5	267.98	6466.26
	1/16/2014	10:33	1/16/2014 10:33	45	33	30	18	58	37.4		74.4	8.51	6474.76
	1/16/2014	11:31	1/16/2014 11:31	43	32	29	19	59	39.0		2215.2	253.41	6728.18
	1/16/2014	11:34	1/16/2014 11:34	43	33	29.5	20.5	59	42.5		122.3	13.99	6742.17
	1/16/2014	12:39	1/16/2014 12:39	45	33	29.5	23.8	58	49.4		2988.9	341.93	7084.09
	1/16/2014	12:40	1/16/2014 12:40			25					49.4	5.65	7089.75
SW-48 Event 10	1/20/2014	8:15	1/20/2014 8:15	52	30	30	<2	46	0.0				7089.75
	1/20/2014	8:56	1/20/2014 8:56	49	27	26.5	11.2	59	21.7		445.0	50.90	7140.65
	1/20/2014	8:58	1/20/2014 8:58	49	31	29.5	16.5	59	33.5		55.2	6.32	7146.97
	1/20/2014	10:08	1/20/2014 10:08	47	31	27.5	18.2	64	36.8		2459.2	281.34	7428.30
	1/20/2014	11:10	1/20/2014 11:10	45	30	26.5	20	66	39.9		2375.8	271.79	7700.09
	1/20/2014	11:11	1/20/2014 11:11	45	32	28	22.2	66	45.3		42.6	4.87	7704.96
	1/20/2014	12:43	1/20/2014 12:43	45	32	27.5	24	64	49.0		4336.5	496.09	8201.05
	1/20/2014	12:44	1/20/2014 12:44			21					49.0	5.61	8206.66
SW-48 Event 11	12/15/2014	7:42	12/15/2014 7:42		27	27	0	38	0.0				8206.66
	12/15/2014	8:07	12/15/2014 8:07		26	25	6	46	11.6		145.5	16.64	8223.30
	12/15/2014	8:08	12/15/2014 8:08		31	29	12	46	24.7		18.2	2.08	8225.38
	12/15/2014	9:10	12/15/2014 9:10		31	28	15	59	30.5		1709.3	195.54	8420.92
	12/15/2014	9:11	12/15/2014 9:11		36	31	20	59	42.8		36.6	4.19	8425.11

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/15/2014	11:11	12/15/2014 11:11		35	28	24	66	50.5		5597.9	640.40	9065.51
	12/15/2014	11:14	12/15/2014 11:14		40	30.5	28	66	61.9		168.5	19.28	9084.79
	12/15/2014	12:44	12/15/2014 12:44		41	29	30	65	67.0		5796.2	663.09	9747.88
	12/15/2014	14:18	12/15/2014 14:18		40	28.5	30.5	66	67.4		6313.4	722.26	10470.13
	12/15/2014	15:54	12/15/2014 15:54		40	28	30.5	67	67.3		6464.9	739.58	11209.72
	12/15/2014	16:51	12/15/2014 16:51		40	27.5	32	63	70.9		3939.0	450.62	11660.34
	12/15/2014	16:52	12/15/2014 16:52			21					70.9	8.11	11668.45
SW-48 Event 12	12/17/2014	7:38	12/17/2014 7:38		26	27	0	44	0.0				11668.45
	12/17/2014	7:55	12/17/2014 7:55		26	25	6	46	11.6		98.9	11.32	11679.76
	12/17/2014	7:57	12/17/2014 7:57		33	31	13	46	27.3		39.0	4.46	11684.22
	12/17/2014	9:18	12/17/2014 9:18		33	29	18	61	37.3		2616.5	299.32	11983.55
	12/17/2014	9:19	12/17/2014 9:19		37	31	21	61	45.3		41.3	4.72	11988.27
	12/17/2014	11:18	12/17/2014 11:18		37	29	25	67	53.6		5885.3	673.28	12661.55
	12/17/2014	11:19	12/17/2014 11:19		40	30.5	28	67	61.8		57.7	6.60	12668.15
	12/17/2014	12:31	12/17/2014 12:31		40	30	28	66	61.9		4451.2	509.22	13177.37
	12/17/2014	12:32	12/17/2014 12:32			22					61.9	7.08	13184.45
Total CO ₂ Mass (lbs):												13184.45	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-49 Event 1	11/22/2013	8:06	11/22/2013 8:06	50	29			66	0.0				
	11/22/2013	8:08	11/22/2013 8:08		30		<2	66	0.0		0.0	0.00	0.00
	11/22/2013	8:09	11/22/2013 8:09		36	36	<2	66	0.0		0.0	0.00	0.00
	11/22/2013	8:41	11/22/2013 8:41	57	35	33.5	9	68	18.9		302.4	34.59	34.59
	11/22/2013	8:42	11/22/2013 8:42		37	36	12	71	25.6		22.3	2.55	37.14
	11/22/2013	9:51	11/22/2013 9:51		37	35	14	74	29.8		1912.9	218.84	255.98
	11/22/2013	11:01	11/22/2013 11:01		37	34	15	74	31.9		2161.7	247.29	503.27
	11/22/2013	11:54	11/22/2013 11:54		36	33.5	16	76	33.7		1738.9	198.93	702.20
	11/22/2013	12:45	11/22/2013 12:45		36	33.5	18	76	37.9		1824.7	208.74	910.95
	11/22/2013	12:46	11/22/2013 12:46								37.9	4.33	915.28
	11/22/2013	12:47	11/22/2013 12:47			24							915.28
	SW-49 Event 2	12/5/2013	8:15	12/5/2013 8:15									
12/5/2013		8:39	12/5/2013 8:39	53	30	28	<2	64	0.0				915.28
12/5/2013		8:40	12/5/2013 8:40	53	35	35	<2	64	0.0		0.0	0.00	915.28
12/5/2013		8:52	12/5/2013 8:52	52	33	34	6	66	12.4		74.2	8.49	923.77
12/5/2013		9:07	12/5/2013 9:07	52	33	34	7.5	68	15.4		208.4	23.84	947.61
12/5/2013		9:25	12/5/2013 9:25	50	33	33.5	8.5	70	17.4		295.8	33.84	981.45
12/5/2013		9:27	12/5/2013 9:27	50	34	35	10.5	70	21.8		39.2	4.49	985.94
12/5/2013		10:30	12/5/2013 10:30	49	34	34	12.5	76	25.8		1497.9	171.36	1157.30
12/5/2013		11:45	12/5/2013 11:45	48	34	33.5	14	76	28.9		2049.1	234.42	1391.72
12/5/2013		11:47	12/5/2013 11:47	48	35	34.5	16	76	33.3		62.2	7.12	1398.84
12/5/2013		12:43	12/5/2013 12:43	49	35	34	17	75	35.5		1926.0	220.34	1619.18
12/5/2013		12:44	12/5/2013 12:44								35.5	4.06	1623.23
12/5/2013		12:45	12/5/2013 12:45										1623.23
SW-49 Event 3		12/11/2013	8:52	12/11/2013 8:52	55	35	35	<2	60	0.0			
	12/11/2013	9:31	12/11/2013 9:31	50	34	34	9	68	18.7		364.7	41.72	1664.96
	12/11/2013	10:01	12/11/2013 10:01	50	32.5	33	10.5	67	21.5		603.0	68.99	1733.94
	12/11/2013	11:21	12/11/2013 11:21	50	32	31	13	72	26.3		1913.7	218.93	1952.87
	12/11/2013	11:22	12/11/2013 11:22	50	32	32	15	72	30.4		28.4	3.25	1956.11
	12/11/2013	11:53	12/11/2013 11:53	45	32	32	15	71	30.4		942.8	107.85	2063.96
	12/11/2013	11:54	12/11/2013 11:54	45	33	33	16.5	71	33.8		32.1	3.68	2067.64
	12/11/2013	11:56	12/11/2013 11:56	45	35	34	18	71	37.7		71.5	8.18	2075.82
	12/11/2013	12:52	12/11/2013 12:52	50	35	34	19.5	70	40.9		2199.4	251.61	2327.43
	12/11/2013	12:53	12/11/2013 12:53								40.9	4.67	2332.10
	12/11/2013	12:54	12/11/2013 12:54										2332.10
	SW-49 Event 4	12/18/2013	8:36	12/18/2013 8:36	48	32	30	<2	52	0.0			
12/18/2013		8:40	12/18/2013 8:40	48	32	31	6	53	12.4		24.8	2.83	2334.94
12/18/2013		8:42	12/18/2013 8:42	45	35	35	11	53	23.4		35.8	4.10	2339.04
12/18/2013		9:16	12/18/2013 9:16	50	36	34	14	60	29.9		907.5	103.81	2442.85
12/18/2013		11:20	12/18/2013 11:20	50	35	31	19	64	40.1		4339.2	496.40	2939.25
12/18/2013		11:22	12/18/2013 11:22	50	37.5	33	24.5	64	53.0		93.0	10.64	2949.89
12/18/2013		12:50	12/18/2013 12:50	50	36	32	26	64	55.4		4766.2	545.25	3495.14
12/18/2013		12:51	12/18/2013 12:51								55.4	6.33	3501.48
12/18/2013		12:52	12/18/2013 12:52			22							3501.48
SW-49 Event 5	12/20/2013	9:10	12/20/2013 9:10	42	34	36	<2	72	0				3501.48
	12/20/2013	10:10	12/20/2013 10:10	40	32	32	9	72	18.2		547.1	62.59	3564.07
	12/20/2013	10:12	12/20/2013 10:12	40	33	30	10	72	20.5		38.7	4.43	3568.50
	12/20/2013	11:07	12/20/2013 11:07	40	33	31	11	72	22.5		1182.9	135.33	3703.83
	12/20/2013	12:04	12/20/2013 12:04	45	34	31	14	72	29.0		1468.1	167.95	3871.78
	12/20/2013	13:15	12/20/2013 13:15	50	33	30.5	16	75	32.7		2188.9	250.41	4122.19
	12/20/2013	13:16	12/20/2013 13:16								32.7	3.74	4125.93

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/20/2013	13:17	12/20/2013 13:17			23							4125.93
SW-49 Event 6	1/8/2014	8:36	1/8/2014 8:36		34	30.5	6	38	12.9				4125.93
	1/8/2014	8:38	1/8/2014 8:38		35.5	32.5	12	38	26.1		39.0	4.46	4130.38
	1/8/2014	8:40	1/8/2014 8:40	50	37	34	14.5	40	32.0		58.1	6.64	4137.03
	1/8/2014	9:03	1/8/2014 9:03	57	36	32.5	16	45	34.7		767.0	87.75	4224.78
	1/8/2014	9:04	1/8/2014 9:04	57	37	33.5	18	45	39.5		37.1	4.24	4229.02
	1/8/2014	9:54	1/8/2014 9:54	46	36	32.5	19.8	50	42.8		2055.9	235.19	4464.21
	1/8/2014	10:52	1/8/2014 10:52	45	36	31.5	20.2	46	43.8		2510.7	287.22	4751.43
	1/8/2014	10:54	1/8/2014 10:54	44	37.5	33	23.8	46	52.4		96.2	11.01	4762.44
	1/8/2014	12:20	1/8/2014 12:20	45	36	32.5	24.2	58	51.8		4482.1	512.76	5275.19
	1/8/2014	12:39	1/8/2014 12:39	44	36	32	24.2	57	51.9		985.6	112.75	5387.94
	1/8/2014	12:40	1/8/2014 12:40								51.9	5.94	5393.88
	1/8/2014	12:42	1/8/2014 12:42			25							5393.88
SW-49 Event 7	1/10/2014	9:41	1/10/2014 9:41						0				5393.88
	1/10/2014	9:42	1/10/2014 9:42	45	34	32	6	64	12.5		6.3	0.72	5394.59
	1/10/2014	9:48	1/10/2014 9:48	42	38	35	21	64	45.6		174.4	19.95	5414.54
	1/10/2014	10:18	1/10/2014 10:18	42	36.5	34	22	64	47.1		1390.4	159.06	5573.61
	1/10/2014	11:48	1/10/2014 11:48	41	36	33	22	65	46.8		4225.0	483.33	6056.94
	1/10/2014	12:53	1/10/2014 12:53	40	34	31	23	64	48.0		3080.7	352.43	6409.37
	1/10/2014	13:18	1/10/2014 13:18	40	34	31	24	64	50.1		1225.8	140.23	6549.60
	1/10/2014	13:19	1/10/2014 13:19								50.1	5.73	6555.33
	1/10/2014	13:20	1/10/2014 13:20			24							6555.33
SW-49 Event 8	1/14/2014	8:03	1/14/2014 8:03						0.0				6555.33
	1/14/2014	8:04	1/14/2014 8:04	50	34	35	6	60	12.6		6.3	0.72	6556.05
	1/14/2014	8:21	1/14/2014 8:21	45	34	31	12	60	25.1		320.5	36.66	6592.71
	1/14/2014	8:23	1/14/2014 8:23	44	35	32.5	16	60	33.9		59.0	6.75	6599.46
	1/14/2014	10:00	1/14/2014 10:00	44	35	33	18	62	38.0		3486.4	398.85	6998.31
	1/14/2014	11:01	1/14/2014 11:01	38	32.5	31	17.5	62	36.0		2257.9	258.30	7256.61
	1/14/2014	12:35	1/14/2014 12:35	42	33.5	30	20	63	41.6		3645.3	417.02	7673.63
	1/14/2014	12:36	1/14/2014 12:36								41.6	4.75	7678.39
	1/14/2014	12:37	1/14/2014 12:37			24							7678.39
SW-49 Event 9	1/16/2014	8:40	1/16/2014 8:40	50	32	34.5	7	40	14.6				7678.39
	1/16/2014	9:15	1/16/2014 9:15	47	29.5	28	15.2	50	30.6		792.2	90.62	7769.01
	1/16/2014	9:17	1/16/2014 9:17	47	34.5	32	22	50	46.8		77.4	8.86	7777.87
	1/16/2014	10:28	1/16/2014 10:28	43	34	31	22.2	55	46.7		3320.4	379.86	8157.73
	1/16/2014	11:30	1/16/2014 11:30	42	33	30	23	56	47.9		2932.7	335.50	8493.23
	1/16/2014	12:53	1/16/2014 12:53	45	33	29.5	24.5	56	51.0		4102.4	469.31	8962.54
	1/16/2014	12:56	1/16/2014 12:56			24					153.0	17.50	8980.04
SW-49 Event 10	12/8/2014	7:47	12/8/2014 7:47		18	18	0	52	0.0				8980.04
	12/8/2014	8:56	12/8/2014 8:56		18	18	0	54	0.0		0.0	0.00	8980.04
	12/8/2014	10:00	12/8/2014 10:00		18	18	0	58	0.0		0.0	0.00	8980.04
	12/8/2014	10:31	12/8/2014 10:31		24	23	3	58	5.6		86.9	9.94	8989.98
	12/8/2014	12:32	12/8/2014 12:32		24	22.5	4.5	64	8.4		844.5	96.61	9086.59
	12/8/2014	12:33	12/8/2014 12:33		30	27	15	64	30.0		19.2	2.19	9088.78
	12/8/2014	14:11	12/8/2014 14:11		30	26.5	15	64	30.0		2936.4	335.92	9424.71
	12/8/2014	14:12	12/8/2014 14:12		42	32.5	25	64	56.4		43.2	4.94	9429.64
	12/8/2014	16:54	12/8/2014 16:54		42	31	30	61	67.8		10059.5	1150.81	10580.45
	12/8/2014	16:55	12/8/2014 16:55			24.5					67.8	7.76	10588.21
SW-49 Event 11	12/10/2014	8:05	12/10/2014 8:05		30	30	0	44	0.0				10588.21
	12/10/2014	8:21	12/10/2014 8:21		29	27.5	10	49	20.0		160.4	18.35	10606.56
	12/10/2014	8:22	12/10/2014 8:22		40	36	22	49	49.4		34.7	3.97	10610.53

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/10/2014	9:13	12/10/2014 9:13		40	32	25	60	55.6		2677.6	306.31	10916.85
	12/10/2014	9:14	12/10/2014 9:14		44	34	28	60	64.5		60.0	6.87	10923.72
	12/10/2014	11:27	12/10/2014 11:27		42	33	28	65	63.1		8483.0	970.45	11894.17
	12/10/2014	12:25	12/10/2014 12:25		44	30	30	64	68.8		3824.9	437.57	12331.74
	12/10/2014	12:26	12/10/2014 12:26			25					68.8	7.87	12339.61
Total CO ₂ Mass (lbs):											12339.61		

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-50 Event 1	11/15/2013	12:00	11/15/2013 12:00						0.0				0.00
	11/15/2013	12:01	11/15/2013 12:01	33	35	30	<2		0.0		0.0	0.00	0.00
	11/15/2013	12:02	11/15/2013 12:02		33	30	5	39.5	8.6		4.3	0.49	0.49
	11/15/2013	12:03	11/15/2013 12:03		34	30	9	39.5	15.6		12.1	1.38	1.87
	11/15/2013	12:04	11/15/2013 12:04		35		11	39.5	19.3		17.4	2.00	3.87
	11/15/2013	12:06	11/15/2013 12:06		35	31	11.25	41.6	19.7		38.9	4.45	8.32
	11/15/2013	12:07	11/15/2013 12:07		38	32.5	13.5	43.7	24.3		22.0	2.51	10.84
	11/15/2013	12:08	11/15/2013 12:08		39	33.5	14.5	44	26.3		25.3	2.89	13.73
	11/15/2013	12:18	11/15/2013 12:18		39	33	15.5	36.1	28.4		273.3	31.26	44.99
	11/15/2013	12:38	11/15/2013 12:38		37	30.5	17	35.5	30.5		588.7	67.35	112.34
	11/15/2013	12:42	11/15/2013 12:42		39	32	19.25	34.8	35.3		131.6	15.05	127.39
	11/15/2013	12:48	11/15/2013 12:48		41	32.5	20.5	31.5	38.4		221.0	25.28	152.67
	11/15/2013	12:52	11/15/2013 12:52		43.5	34	22	28.2	42.3		161.4	18.46	171.13
	11/15/2013	13:21	11/15/2013 13:21		43	32.5	22.75	27.3	43.6		1245.2	142.45	313.58
	11/15/2013	13:24	11/15/2013 13:24		44.5	33.5	24	27.6	46.6		135.2	15.47	329.05
	11/15/2013	14:00	11/15/2013 14:00		45	33	24.25	25.1	47.4		1691.3	193.49	522.54
	11/15/2013	14:02	11/15/2013 14:02								94.8	10.84	533.38
	11/15/2013	14:04	11/15/2013 14:04		24.5								533.38
SW-50 Event 2	12/4/2013	12:50	12/4/2013 12:50	55	36	37.5	7	87	14.6				533.38
	12/4/2013	13:11	12/4/2013 13:11	55	35	34	12	85	24.8		413.3	47.28	580.66
	12/4/2013	13:49	12/4/2013 13:49	51	35	33.5	13	86	26.8		980.6	112.18	692.85
	12/4/2013	14:47	12/4/2013 14:47	53	35	32.5	14	80	29.1		1620.6	185.39	878.24
	12/4/2013	15:54	12/4/2013 15:54	53	35	32	15	81	31.1		2015.2	230.54	1108.78
	12/4/2013	17:36	12/4/2013 17:36	54	35	32	16	69	33.6		3297.9	377.28	1486.06
	12/4/2013	17:37	12/4/2013 17:37								33.6	3.84	1489.90
	12/4/2013	17:38	12/4/2013 17:38			25							1489.90
SW-50 Event 3	12/10/2013	8:12	12/10/2013 8:12	32.5	34	33.5	<2	70	0.0				1489.90
	12/10/2013	8:17	12/10/2013 8:17	52.5	34	33	5.5	70	11.4		28.5	3.26	1493.16
	12/10/2013	8:39	12/10/2013 8:39	51	34	32	8	72	16.6		307.6	35.19	1528.35
	12/10/2013	9:18	12/10/2013 9:18	50	32.5	31	10	72	20.4		720.2	82.39	1610.75
	12/10/2013	9:53	12/10/2013 9:53	50	32	30.5	11	72	22.3		746.6	85.42	1696.16
	12/10/2013	10:26	12/10/2013 10:26	49	32	30	11	74	22.2		734.9	84.07	1780.24
	12/10/2013	10:27	12/10/2013 10:27	49	32	31	13.5	74	27.3		24.8	2.83	1783.07
	12/10/2013	10:30	12/10/2013 10:30	49	34	32.5	15.5	74	32.0		89.0	10.18	1793.25
	12/10/2013	11:32	12/10/2013 11:32	45	32.5	32.5	17	74	34.6		2064.4	236.16	2029.41
	12/10/2013	12:16	12/10/2013 12:16	50	32	32	17.5	74	35.4		1539.2	176.08	2205.50
	12/10/2013	12:18	12/10/2013 12:18								70.8	8.10	2213.60
	12/10/2013	12:19	12/10/2013 12:19			22							2213.60
SW-50 Event 4	12/17/2013	8:08	12/17/2013 8:08	50	34	33	<2	48	0.0				2213.60
	12/17/2013	9:09	12/17/2013 9:09	45	32.5	30	7	58	14.5		441.1	50.46	2264.05
	12/17/2013	9:10	12/17/2013 9:10	45	32	31	10	58	20.5		17.5	2.00	2266.06
	12/17/2013	9:11	12/17/2013 9:11	45	35	33	11.5	58	24.4		22.5	2.57	2268.63
	12/17/2013	10:24	12/17/2013 10:24	40	35	32	13	63	27.4		1891.5	216.38	2485.01
	12/17/2013	10:26	12/17/2013 10:26	40	36	33	16	63	34.1		61.5	7.04	2492.05
	12/17/2013	11:24	12/17/2013 11:24	40	38	32	16	70	34.5		1990.9	227.76	2719.81
	12/17/2013	12:10	12/17/2013 12:10	42	37	32	18	71	38.4		1678.8	192.06	2911.86
	12/17/2013	12:11	12/17/2013 12:11								38.4	4.40	2916.26
	12/17/2013	12:12	12/17/2013 12:12			21							2916.26
SW-50 Event 5	1/6/2014	13:11	1/6/2014 13:11				0		0				2916.26
	1/6/2014	13:13	1/6/2014 13:13	57	35	33	<2	57	0.0		0.0	0.00	2916.26
	1/6/2014	13:32	1/6/2014 13:32	56	34	31.5	4.5	57	9.5		89.8	10.28	2926.54

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/6/2014	13:34	1/6/2014 13:34	55	35	33.5	6	57	12.7		22.2	2.54	2929.07
	1/6/2014	14:02	1/6/2014 14:02	55	35	33	7.5	56	15.9		401.5	45.93	2975.00
	1/6/2014	15:08	1/6/2014 15:08	55	35	32.5	9.5	55	20.2		1192.8	136.46	3111.46
	1/6/2014	16:07	1/6/2014 16:07	55	35	31	10.5	53	22.4		1256.4	143.73	3255.19
	1/6/2014	16:09	1/6/2014 16:09	55	35	33	13	53	27.7		50.1	5.73	3260.92
	1/6/2014	17:07	1/6/2014 17:07	54	35	32	14	49	30.0		1672.5	191.34	3452.26
	1/6/2014	17:24	1/6/2014 17:24	56	35	32	14.5	48	31.1		518.7	59.34	3511.60
	1/6/2014	17:26	1/6/2014 17:26								62.1	7.11	3518.71
	1/6/2014	17:27	1/6/2014 17:27										3518.71
SW-50 Event 6	1/7/2014	7:40	1/7/2014 7:40				0	28	0				3518.71
	1/7/2014	7:42	1/7/2014 7:42	16	16	14	<2	28	0.0		0	0.00	3518.71
	1/7/2014	7:53	1/7/2014 7:53	16	16	15	<2	28	0.0		0	0.00	3518.71
	1/7/2014	9:28	1/7/2014 9:28	55	38	34	16	40	35.6		1691.7	193.53	3712.24
	1/7/2014	10:27	1/7/2014 10:27	50	38	33	17	42	37.8		2164.6	247.63	3959.87
	1/7/2014	11:28	1/7/2014 11:28	49	36	32	18	44	39.1		2344.8	268.25	4228.11
	1/7/2014	11:29	1/7/2014 11:29	49	38	33.5	22	44	48.8		43.9	5.03	4233.14
	1/7/2014	12:54	1/7/2014 12:54	48	38	33.5	22	46	48.7		4140.7	473.70	4706.84
	1/7/2014	12:55	1/7/2014 12:55								48.7	5.57	4712.41
	1/7/2014	12:56	1/7/2014 12:56										4712.41
SW-50 Event 7	1/9/2014	8:40	1/9/2014 8:40	54	35	33.5	<2	54	0.0				4712.41
	1/9/2014	8:55	1/9/2014 8:55	52	34	32	3.5	55	7.4		55.3	6.32	4718.73
	1/9/2014	8:58	1/9/2014 8:58	52	35	33	5	55	10.6		27.0	3.09	4721.82
	1/9/2014	10:19	1/9/2014 10:19	49	34	32.5	6.5	58	13.6		983.3	112.49	4834.31
	1/9/2014	11:42	1/9/2014 11:42	42	34	32	8	67	16.6		1256.8	143.78	4978.09
	1/9/2014	11:44	1/9/2014 11:44	42	35	32.5	9.3	67	19.5		36.2	4.14	4982.23
	1/9/2014	12:52	1/9/2014 12:52	42	35	32.5	10.5	63	22.2		1417.9	162.21	5144.44
	1/9/2014	12:53	1/9/2014 12:53								22.2	2.53	5146.98
	1/9/2014	12:54	1/9/2014 12:54			25							5146.98
SW-50 Event 8	1/13/2014	7:58	1/13/2014 7:58	53	30	28.5	<2	48	0.0				5146.98
	1/13/2014	7:59	1/13/2014 7:59	53	34	33	<2	48	0.0		0.0	0.00	5146.98
	1/13/2014	8:39	1/13/2014 8:39	47	32	31	7	52	14.5		289.4	33.11	5180.09
	1/13/2014	8:40	1/13/2014 8:40	47	34	33	8.5	52	17.9		16.2	1.85	5181.94
	1/13/2014	9:44	1/13/2014 9:44	45	3.5	32	9.2	60	11.7		949.4	108.61	5290.55
	1/13/2014	9:46	1/13/2014 9:46	45	34.5	32.8	11	60	23.2		34.9	3.99	5294.54
	1/13/2014	9:48	1/13/2014 9:48	45	35	33	11.5	60	24.3		47.5	5.43	5299.98
	1/13/2014	11:02	1/13/2014 11:02	45	34.5	33	12	71	25.0		1825.4	208.82	5508.80
	1/13/2014	12:02	1/13/2014 12:02	47	34.5	33	13	73	27.0		1560.6	178.53	5687.33
	1/13/2014	12:04	1/13/2014 12:04			27					54.0	6.18	5693.51
SW-50 Event 9	1/15/2014	8:10	1/15/2014 8:10	55	30	30	<2	50	0.0				5693.51
	1/15/2014	8:12	1/15/2014 8:12	55	33	33	<2	50	0.0		0.0	0.00	5693.51
	1/15/2014	8:50	1/15/2014 8:50	52	32	31	5	46	10.4		197.6	22.60	5716.12
	1/15/2014	8:52	1/15/2014 8:52	52	33	32.2	7	46	14.7		25.1	2.87	5718.99
	1/15/2014	9:43	1/15/2014 9:43	45	33	32.2	7	64	14.5		743.8	85.09	5804.08
	1/15/2014	11:14	1/15/2014 11:14	41	32.5	31.5	8.2	69	16.8		1420.0	162.44	5966.52
	1/15/2014	11:15	1/15/2014 11:15	41	34	32.5	11	69	22.8		19.8	2.26	5968.79
	1/15/2014	12:11	1/15/2014 12:11	45	34	32.8	11	71	22.8		1277.7	146.16	6114.95
	1/15/2014	12:12	1/15/2014 12:12								22.8	2.61	6117.56
	1/15/2014	12:13	1/15/2014 12:13			26							6117.56
SW-50 Event 10	1/17/2014	7:20	1/17/2014 7:20	56	27.5	26	<2	40	0.0				6117.56
	1/17/2014	7:21	1/17/2014 7:21	56	32.5	32	<2	40	0.0		0.0	0.00	6117.56
	1/17/2014	8:02	1/17/2014 8:02	51	31	30	7.5	44	15.5		316.9	36.26	6153.81

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/17/2014	8:03	1/17/2014 8:03	51	33	32	10.5	44	22.1		18.8	2.15	6155.96
	1/17/2014	9:12	1/17/2014 9:12	47	33	31.8	11	57	22.9		1552.2	177.57	6333.53
	1/17/2014	9:13	1/17/2014 9:13	47	34	32.5	13	57	27.3		25.1	2.87	6336.40
	1/17/2014	10:24	1/17/2014 10:24	47	34	32.5	13	62	27.2		1934.4	221.30	6557.70
	1/17/2014	11:31	1/17/2014 11:31	45	34	32	13.2	68	27.4		1829.4	209.29	6766.99
	1/17/2014	12:23	1/17/2014 12:23	45	34	32	13.9	70	28.8		1462.8	167.35	6934.33
	1/17/2014	12:55	1/17/2014 12:55	44	34	32	14	70	29.0		925.9	105.92	7040.26
	1/17/2014	12:56	1/17/2014 12:56								29.0	3.32	7043.58
SW-50 Event 11	1/21/2014	9:16	1/21/2014 9:16	47	32.5	34.5	<2	62	0.0				7043.58
	1/21/2014	10:14	1/21/2014 10:14	40	30.5	33	4	66	8.0		232.6	26.61	7070.18
	1/21/2014	11:41	1/21/2014 11:41	38	30	32.5	4.5	70	8.9		737.6	84.38	7154.56
	1/21/2014	12:26	1/21/2014 12:26	44	30	32.5	4.8	70	9.5		415.5	47.54	7202.10
	1/21/2014	12:28	1/21/2014 12:28			26					19.1	2.18	7204.28
SW-50 Event 12	1/27/2014	12:27	1/27/2014 12:27				0		0.0				7204.28
	1/27/2014	12:30	1/27/2014 12:30	55	33	33.5	5	78	10.2		15.3	1.75	7206.03
	1/27/2014	12:55	1/27/2014 12:55	52	33	31.5	7	78	14.3		305.5	34.95	7240.97
	1/27/2014	12:57	1/27/2014 12:57	52	36	34	10	78	21.0		35.3	4.03	7245.01
	1/27/2014	13:15	1/27/2014 13:15	50	36	34	10	78	21.0		378.1	43.25	7288.26
	1/27/2014	14:48	1/27/2014 14:48	50	35.5	34	11	79	23.0		2044.7	233.92	7522.18
	1/27/2014	15:44	1/27/2014 15:44	49	35	33.5	12	77	25.0		1342.4	153.58	7675.75
	1/27/2014	16:30	1/27/2014 16:30	52	35	33	12	77	25.0		1148.9	131.44	7807.19
	1/27/2014	16:31	1/27/2014 16:31								25.0	2.86	7810.05
	1/27/2014	16:32	1/27/2014 16:32			25							7810.05
SW-50 Event 13	12/10/2014	7:56	12/10/2014 7:56		28	28	0	48	0.0				7810.05
	12/10/2014	8:10	12/10/2014 8:10		30	30	6	50	12.2		85.1	9.73	7819.78
	12/10/2014	9:24	12/10/2014 9:24		30	29	8.5	60	17.0		1080.5	123.60	7943.39
	12/10/2014	11:18	12/10/2014 11:18		29	28.5	10	72	19.6		2088.5	238.92	8182.31
	12/10/2014	11:19	12/10/2014 11:19		36	34	15	72	31.7		25.6	2.93	8185.24
	12/10/2014	12:31	12/10/2014 12:31		36	33	16	72	33.8		2357.9	269.74	8454.99
	12/10/2014	12:32	12/10/2014 12:32		39	35	16	72	34.8		34.3	3.92	8458.91
	12/10/2014	13:52	12/10/2014 13:52		39	35	17	71	37.0		2873.1	328.68	8787.59
	12/10/2014	16:07	12/10/2014 16:07		38	34	18	68	38.9		5127.2	586.55	9374.14
	12/10/2014	16:55	12/10/2014 16:55		38	34	18	66	39.0		1870.9	214.03	9588.17
	12/10/2014	16:56	12/10/2014 16:56			24					39.0	4.46	9592.63
SW-50 Event 14	12/16/2014	12:18	12/16/2014 12:18		29	29	0	82	0.0				9592.63
	12/16/2014	12:35	12/16/2014 12:35		34	35	2	82	4.1		34.9	3.99	9596.62
	12/16/2014	13:45	12/16/2014 13:45		34	34.5	4	82	8.2		430.5	49.25	9645.87
	12/16/2014	15:19	12/16/2014 15:19		34	34	6	79	12.3		965.2	110.42	9756.30
	12/16/2014	16:48	12/16/2014 16:48		34	33.5	6	76	12.4		1099.5	125.79	9882.08
	12/16/2014	16:49	12/16/2014 16:49			24					12.4	1.42	9883.50
SW-50 Event 15	1/6/2015	8:12	1/6/2015 8:12		30	30	0	50	0.0				9883.50
	1/6/2015	8:50	1/6/2015 8:50		28	28	4	57	7.9		149.4	17.09	9900.59
	1/6/2015	8:52	1/6/2015 8:52		36	35	10	58	21.4		29.3	3.35	9903.94
	1/6/2015	10:13	1/6/2015 10:13		36	35	10.5	66	22.3		1771.5	202.65	10106.59
	1/6/2015	11:12	1/6/2015 11:12		36	35	11	72	23.2		1343.9	153.75	10260.34
	1/6/2015	12:32	1/6/2015 12:32		36	34.5	11.5	76	24.2		1897.7	217.10	10477.44
	1/6/2015	12:33	1/6/2015 12:33			25					24.2	2.77	10480.21
SW-50 Event 16	1/8/2015	8:24	1/8/2015 8:24		33	33	0	40	0.0				10480.21
	1/8/2015	8:36	1/8/2015 8:36		36	34	14	40	30.6		183.3	20.97	10501.18
	1/8/2015	9:50	1/8/2015 9:50		36	32	18	48	39.0		2571.9	294.23	10795.40
	1/8/2015	9:51	1/8/2015 9:51		40	34	20	48	45.0		42.0	4.80	10800.21

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/8/2015	11:38	1/8/2015 11:38		40	32	22	46	49.6		5060.7	578.95	11379.15
	1/8/2015	11:39	1/8/2015 11:39		44	34	25	46	58.4		54.0	6.18	11385.33
	1/8/2015	13:03	1/8/2015 13:03		44	33	26	46	60.8		5006.3	572.72	11958.05
	1/8/2015	13:04	1/8/2015 13:04			24					60.8	6.95	11965.00
SW-50 Event 17	1/12/2015	12:26	1/12/2015 12:26		33	33	0	68	0.0				11965.00
	1/12/2015	12:38	1/12/2015 12:38		38	37	8	70	17.3		103.6	11.86	11976.86
	1/12/2015	17:08	1/12/2015 17:08		37	33	15	66	32.2		6678.5	764.02	12740.88
	1/12/2015	17:09	1/12/2015 17:09			28					32.2	3.68	12744.56
SW-50 Event 18	1/14/2015	12:46	1/14/2015 12:46		30	30	0	58	0.0				12744.56
	1/14/2015	13:08	1/14/2015 13:08		30	30	0	58	0.0		0.0	0.00	12744.56
	1/14/2015	13:09	1/14/2015 13:09		36	36	7	58	15.0		7.5	0.86	12745.42
	1/14/2015	14:33	1/14/2015 14:33		36	35.5	9	59	19.3		1438.9	164.61	12910.02
	1/14/2015	15:50	1/14/2015 15:50		36	35	10	58	21.4		1566.4	179.20	13089.22
	1/14/2015	17:22	1/14/2015 17:22		36	35	11	56	23.6		2071.7	237.01	13326.22
	1/14/2015	17:23	1/14/2015 17:23			26					23.6	2.70	13328.93
SW-50 Event 19	1/19/2015	7:48	1/19/2015 7:48		28	29	0	45	0.0				13328.93
	1/19/2015	8:38	1/19/2015 8:38		38	37	10	56	21.9		547.4	62.62	13391.54
	1/19/2015	10:25	1/19/2015 10:25		38	36	12	71	25.9		2556.1	292.41	13683.96
	1/19/2015	12:25	1/19/2015 12:25		37	35	14	80	29.6		3331.5	381.13	14065.08
	1/19/2015	12:26	1/19/2015 12:26			26					29.6	3.39	14068.48
SW-50 Event 19	1/21/2015	7:52	1/21/2015 7:52		40	40	0	52	0.0				14068.48
	1/21/2015	8:38	1/21/2015 8:38		38	35	14	62	30.5		700.7	80.16	14148.64
	1/21/2015	10:03	1/21/2015 10:03		38	33.5	16	78	34.3		2751.6	314.78	14463.42
	1/21/2015	12:07	1/21/2015 12:07		37	33	19	82	40.2		4614.5	527.90	14991.32
	1/21/2015	12:08	1/21/2015 12:08			25					40.2	4.59	14995.92
SW-50 Event 20	1/23/2015	7:52	1/23/2015 7:52		34	33	0	62	0.0				14995.92
	1/23/2015	8:00	1/23/2015 8:00		37	37	2	62	4.3		17.2	1.97	14997.89
	1/23/2015	9:04	1/23/2015 9:04		37	35	8	62	17.2		689.6	78.89	15076.78
	1/23/2015	10:07	1/23/2015 10:07		37	34	12	62	25.9		1357.7	155.32	15232.11
	1/23/2015	11:17	1/23/2015 11:17		37	33	14	63	30.1		1960.1	224.23	15456.34
	1/23/2015	11:18	1/23/2015 11:18			24					30.1	3.45	15459.79
SW-50 Event 21	1/26/2015	7:58	1/26/2015 7:58		28	29	0	58	0.0				15459.79
	1/26/2015	8:58	1/26/2015 8:58		28	28	0	63	0.0		0.0	0.00	15459.79
	1/26/2015	8:59	1/26/2015 8:59		36	35	7	63	14.9		7.5	0.85	15460.64
	1/26/2015	10:32	1/26/2015 10:32		34	34	10	68	20.8		1660.2	189.93	15650.57
	1/26/2015	11:53	1/26/2015 11:53		34	33	12	70	24.9		1849.7	211.60	15862.17
	1/26/2015	12:33	1/26/2015 12:33		34	32.5	14	70	29.0		1078.5	123.38	15985.56
	1/26/2015	12:35	1/26/2015 12:35			24					58.1	6.64	15992.20
SW-50 Event 22	1/28/2015	7:38	1/28/2015 7:38		27	28	0	42	0.0				15992.20
	1/28/2015	8:11	1/28/2015 8:11		26	27	0	48	0.0		0.0	0.00	15992.20
	1/28/2015	8:12	1/28/2015 8:12		36	35	6	48	13.0		6.5	0.74	15992.94
	1/28/2015	9:23	1/28/2015 9:23		35	34	9	57	19.1		1139.3	130.33	16123.28
	1/28/2015	10:27	1/28/2015 10:27		34	33.5	10	60	20.9		1281.7	146.63	16269.91
	1/28/2015	12:26	1/28/2015 12:26		34	33	12	69	24.9		2728.7	312.17	16582.07
	1/28/2015	12:27	1/28/2015 12:27			25					24.9	2.85	16584.92
SW-50 Event 23	1/30/2015	7:32	1/30/2015 7:32		26	28	0	58	0.0				16584.92
	1/30/2015	7:44	1/30/2015 7:44		26	27.5	0	58	0.0		0.0	0.00	16584.92
	1/30/2015	7:45	1/30/2015 7:45		38	36.5	4	58	8.7		4.4	0.50	16585.42
	1/30/2015	8:56	1/30/2015 8:56		36	35.5	8	60	17.1		917.5	104.96	16690.38
	1/30/2015	9:51	1/30/2015 9:51		35	34	10	68	21.0		1047.8	119.87	16810.25
	1/30/2015	10:49	1/30/2015 10:49		34	34	10	71	20.7		1209.8	138.40	16948.66

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/30/2015	10:50	1/30/2015 10:50			24.5					20.7	2.37	16951.03
SW-50 Event 24	2/2/2015	7:48	2/2/2015 7:48		29	30.5	0	65	0.0				16951.03
	2/2/2015	8:33	2/2/2015 8:33		28	29	0	66	0.0		0.0	0.00	16951.03
	2/2/2015	8:34	2/2/2015 8:34		36	36	6	66	12.8		6.4	0.73	16951.76
	2/2/2015	9:45	2/2/2015 9:45		36	36	7	66	14.9		980.8	112.21	17063.97
	2/2/2015	11:19	2/2/2015 11:19		36	35	10	68	21.2		1696.2	194.04	17258.01
	2/2/2015	13:08	2/2/2015 13:08		35	34	11.5	72	24.1		2466.9	282.21	17540.22
	2/2/2015	13:09	2/2/2015 13:09			26					24.1	2.75	17542.97
SW-50 Event 25	2/4/2015	7:52	2/4/2015 7:52		30	31	0	52	0.0				17542.97
	2/4/2015	8:18	2/4/2015 8:18		30	30.5	4	53	8.1		105.0	12.01	17554.98
	2/4/2015	8:19	2/4/2015 8:19		37	37	8	53	17.4		12.7	1.46	17556.44
	2/4/2015	9:18	2/4/2015 9:18		37	36	11	55	23.9		1217.5	139.29	17695.73
	2/4/2015	12:46	2/4/2015 12:46		37	34	14	64	30.1		5614.5	642.30	18338.02
	2/4/2015	12:47	2/4/2015 12:47			25					30.1	3.44	18341.47
SW-50 Event 26	2/6/2015	7:22	2/6/2015 7:22		30	30	0	42	0.0				18341.47
	2/6/2015	7:49	2/6/2015 7:49		28	29.5	<2	44	0.0		0.0	0.00	18341.47
	2/6/2015	7:50	2/6/2015 7:50		38	37.5	8	44	17.7		8.9	1.01	18342.48
	2/6/2015	8:46	2/6/2015 8:46		36	35	12	51	25.9		1221.5	139.74	18482.22
	2/6/2015	8:47	2/6/2015 8:47		38	36.5	14	51	30.8		28.4	3.24	18485.46
	2/6/2015	9:56	2/6/2015 9:56		38	36	14	59	30.6		2117.2	242.21	18727.67
	2/6/2015	10:46	2/6/2015 10:46		38	36	14	61	30.5		1526.4	174.62	18902.29
	2/6/2015	10:47	2/6/2015 10:47			27					30.5	3.49	18905.78
SW-50 Event 27	2/9/2015	7:48	2/9/2015 7:48		30	32	0	54	0.0				18905.78
	2/9/2015	8:12	2/9/2015 8:12		30	30.5	0	58	0.0		0.0	0.00	18905.78
	2/9/2015	8:13	2/9/2015 8:13		36	36.5	7	58	15.0		7.5	0.86	18906.64
	2/9/2015	9:27	2/9/2015 9:27		36	37	9.5	68	20.2		1300.5	148.77	19055.41
	2/9/2015	11:11	2/9/2015 11:11		36	36	11	77	23.1		2250.5	257.46	19312.86
	2/9/2015	12:40	2/9/2015 12:40		36	35	12	72	25.4		2157.4	246.81	19559.68
	2/9/2015	12:42	2/9/2015 12:42			25					50.7	5.80	19565.48
SW-50 Event 28	2/26/2015	12:35	2/26/2015 12:35		33	34	0	66	0.0				19565.48
	2/26/2015	13:18	2/26/2015 13:18		32	32.5	3	66	6.1		131.5	15.04	19580.52
	2/26/2015	13:19	2/26/2015 13:19		36	37	6	66	12.8		9.4	1.08	19581.60
	2/26/2015	13:48	2/26/2015 13:48		36	37	6	66	12.8		369.8	42.31	19623.90
	2/26/2015	15:19	2/26/2015 15:19		36	36.5	8	68	17.0		1352.3	154.70	19778.61
	2/26/2015	17:08	2/26/2015 17:08		36	35	9.5	60	20.3		2031.8	232.44	20011.04
	2/26/2015	17:09	2/26/2015 17:09			28					20.3	2.32	20013.37
SW-50 Event 29	3/9/2015	12:07	3/9/2015 12:07		36	35	0	84	0.0				20013.37
	3/9/2015	12:39	3/9/2015 12:39		34	34	<2	86	0.0		0.0	0.00	20013.37
	3/9/2015	12:40	3/9/2015 12:40		36	35	4	86	8.3		4.2	0.48	20013.84
	3/9/2015	13:52	3/9/2015 13:52		36	34	6.5	84	13.6		788.9	90.25	20104.09
	3/9/2015	13:54	3/9/2015 13:54		39	37	9	84	19.4		32.9	3.77	20107.86
	3/9/2015	14:18	3/9/2015 14:18		39	37	9	84	19.4		464.5	53.14	20160.99
	3/9/2015	14:19	3/9/2015 14:19			25					19.4	2.21	20163.21
Total CO ₂ Mass (lbs):													20163.21

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-51 Event 1	11/15/2013	14:16	11/15/2013 14:16	26	13			48.9	0.0				0
	11/15/2013	14:20	11/15/2013 14:20	30	30	27	<2	48.5	0.0		0.0	0.00	0.00
	11/15/2013	14:22	11/15/2013 14:22	36	35	30	<2	50	0.0		0.0	0.00	0.00
	11/15/2013	14:27	11/15/2013 14:27	34	33	30	4.5	55.0	7.6		19.0	2.17	2.17
	11/15/2013	14:28	11/15/2013 14:28	39	37	34	6	59.9	10.5		9.1	1.04	3.21
	11/15/2013	14:44	11/15/2013 14:44	39	36.5	33.5	7	59.1	12.2		181.7	20.78	23.99
	11/15/2013	14:46	11/15/2013 14:46	41	38.5	35	8.5	59.1	15.1		27.3	3.12	27.11
	11/15/2013	15:16	11/15/2013 15:16	41	38.5	35	9	50.7	16.1		468.7	53.62	80.73
	11/15/2013	15:38	11/15/2013 15:38	41	38	34	9.5	50.2	17.0		364.1	41.65	122.38
	11/15/2013	15:53	11/15/2013 15:53	43	39	35	10.5	49.6	18.9		269.2	30.80	153.18
	11/15/2013	16:26	11/15/2013 16:26	42	39	35	10.75	48.5	19.4		632.7	72.38	225.57
	11/15/2013	16:57	11/15/2013 16:57	42	39	35	11	47.6	19.9		609.0	69.67	295.24
	11/15/2013	17:19	11/15/2013 17:19	42	39	35	11.25	47.4	20.3		442.4	50.61	345.84
	11/15/2013	17:25	11/15/2013 17:25								122.0	13.96	359.80
	11/15/2013	17:26	11/15/2013 17:26	28	28	22							359.80
SW-51 Event 2	12/4/2013	8:24	12/4/2013 8:24				0		0.0				359.80
	12/4/2013	8:25	12/4/2013 8:25	50	36	37	<2	70	0.0		0.0	0.00	359.80
	12/4/2013	8:50	12/4/2013 8:50	50	36	36	<2	74	0.0		0.0	0.00	359.80
	12/4/2013	9:14	12/4/2013 9:14	50	36	36	<2	76	0.0		0.0	0.00	359.80
	12/4/2013	10:05	12/4/2013 10:05	49	36	35.5	4	78	8.4		214.3	24.51	384.31
	12/4/2013	10:10	12/4/2013 10:10	49	36	37	6	78	12.6		52.5	6.01	390.32
	12/4/2013	11:10	12/4/2013 11:10	47	36	37	7	83	14.6		817.1	93.48	483.79
	12/4/2013	12:42	12/4/2013 12:42	55	36	37	8	87	16.7		1439.5	164.68	648.47
	12/4/2013	12:43	12/4/2013 12:43								16.7	1.91	650.38
	12/4/2013	12:44	12/4/2013 12:44										650.38
	SW-51 Event 3	12/9/2013	8:40	12/9/2013 8:40	55	35	35.5	<2	62	0.0			
12/9/2013		9:20	12/9/2013 9:20	50	35	35	<2	64	0.0		0.0	0.00	650.38
12/9/2013		9:58	12/9/2013 9:58	50	35	35	<2	70	0.0		0.0	0.00	650.38
12/9/2013		11:09	12/9/2013 11:09	50	35	35	<2	77	0.0		0.0	0.00	650.38
12/9/2013		11:38	12/9/2013 11:38	50	35	35	3.5	82	7.2		105.1	12.03	662.40
12/9/2013		12:36	12/9/2013 12:36	50	34	35	4	86	8.2		447.2	51.16	713.56
12/9/2013		13:55	12/9/2013 13:55	50	35	35	5.5	84	11.4		771.8	88.30	801.86
12/9/2013		14:20	12/9/2013 14:20	50	35	35	5.5	84	11.4		284.3	32.52	834.38
12/9/2013		15:10	12/9/2013 15:10	50	34	34	5.8	80	11.9		582.1	66.59	900.97
12/9/2013		15:33	12/9/2013 15:33	47	34	34	6	80	12.3		278.7	31.89	932.86
12/9/2013		15:49	12/9/2013 15:49	45	34	34	6	80	12.3		197.2	22.56	955.42
12/9/2013		16:34	12/9/2013 16:34	46	34	34	6	74	12.4		556.2	63.63	1019.05
12/9/2013		16:55	12/9/2013 16:55	49	34	34	6	72	12.4		260.6	29.81	1048.86
12/9/2013		17:37	12/9/2013 17:37	55	33	34	6.3	72	12.9		531.8	60.84	1109.70
12/9/2013		22:13	12/9/2013 22:13	55	35	34	7.5	68	15.7		3954.1	452.35	1562.05
12/10/2013		8:04	12/10/2013 8:04	53	34	34	9.5	70	19.7		10476.1	1198.47	2760.52
12/10/2013		8:05	12/10/2013 8:05								19.7	2.25	2762.77
12/10/2013	8:06	12/10/2013 8:06			28							2762.77	
SW-51 Event 4	12/16/2013	8:22	12/16/2013 8:22	50	37	35	<2	48	0.0				2762.77
	12/16/2013	8:48	12/16/2013 8:48	45	36	33.5	3.5	50	7.6		98.3	11.24	2774.02
	12/16/2013	8:49	12/16/2013 8:49	45	37	35	4	50	8.7		8.1	0.93	2774.95
	12/16/2013	10:06	12/16/2013 10:06	45	38	35	4	48	8.8		675.9	77.32	2852.27
	12/16/2013	11:02	12/16/2013 11:02	40	37	35	4	66	8.6		487.6	55.79	2908.06
	12/16/2013	13:10	12/16/2013 13:10	45	37	34	5	67	10.7		1235.7	141.37	3049.42
	12/16/2013	13:11	12/16/2013 13:11								10.7	1.23	3050.65
	12/16/2013	13:12	12/16/2013 13:12			29							3050.65

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/16/2013	14:41	12/16/2013 14:41	50	35	32	11	68	23.1				3050.65
	12/16/2013	15:34	12/16/2013 15:34	45	35	34	8	68	16.8		1057.2	120.95	3171.60
	12/16/2013	16:31	12/16/2013 16:31	40	35	34	7.5	64	15.8		929.3	106.32	3277.91
	12/16/2013	17:20	12/16/2013 17:20	40	36	34	7.5	60	16.0		780.2	89.26	3367.17
	12/16/2013	22:12	12/16/2013 22:12	50	38	32.5	10	46	22.1		5570.7	637.29	4004.46
	12/17/2013	7:52	12/17/2013 7:52	45	36	33	12	46	26.0		13962.1	1597.27	5601.73
	12/17/2013	7:54	12/17/2013 7:54								52.1	5.95	5607.68
	12/17/2013	7:55	12/17/2013 7:55			26							5607.68
SW-51 Event 5	1/10/2014	12:44	1/10/2014 12:44	42	34	35	<2	72	0.0				5607.68
	1/10/2014	14:30	1/10/2014 14:30	50	33	35	<2	70	0.0		0.0	0.00	5607.68
	1/10/2014	16:27	1/10/2014 16:27	46	32	35	2	71	4.1		237.3	27.15	5634.83
	1/10/2014	16:28	1/10/2014 16:28	46	33.5	36	4	71	8.2		6.2	0.70	5635.54
	1/10/2014	17:46	1/10/2014 17:46	47	33.5	36	3.5	68	7.2		603.7	69.07	5704.60
	1/10/2014	22:06	1/10/2014 22:06	45	33.5	36	4.2	66	8.7		2071.6	236.99	5941.60
	1/11/2014	11:44	1/11/2014 11:44	40	33	36	7	74	14.3		9411.3	1076.65	7018.25
	1/11/2014	11:45	1/11/2014 11:45								14.3	1.64	7019.89
	1/11/2014	11:47	1/11/2014 11:47			30							7019.89
SW-51 Event 6	1/14/2014	8:04	1/14/2014 8:04	49	34	34	<2	62	0.0				7019.89
	1/14/2014	8:56	1/14/2014 8:56	47	33	34.5	<2	62	0.0		0.0	0.00	7019.89
	1/14/2014	10:02	1/14/2014 10:02	45	33	34.2	3.5	64	7.2		238.5	27.28	7047.17
	1/14/2014	11:28	1/14/2014 11:28	40	32.5	34.2	3.9	64	8.0		655.1	74.94	7122.11
	1/14/2014	13:13	1/14/2014 13:13	47	32	34	5	69	10.2		954.0	109.13	7231.24
	1/14/2014	15:43	1/14/2014 15:43	47	31.5	33.5	6	72	12.1		1669.1	190.94	7422.19
	1/14/2014	16:30	1/14/2014 16:30	55	31.5	33.5	6.2	72	12.5		577.8	66.10	7488.29
	1/14/2014	16:31	1/14/2014 16:31			29					12.5	1.43	7489.72
SW-51 Event 7	1/16/2014	8:12	1/16/2014 8:12	55	33	34.5	<2	46	0.0				7489.72
	1/16/2014	8:16	1/16/2014 8:16	55	33	34.5	<2	48	0.0		0.0	0.00	7489.72
	1/16/2014	9:08	1/16/2014 9:08	50	31	33	2	50	4.1		106.5	12.19	7501.90
	1/16/2014	9:09	1/16/2014 9:09	50	33	34.5	4	50	8.4		6.2	0.71	7502.62
	1/16/2014	10:22	1/16/2014 10:22	45	33	34.5	5	55	10.4		685.9	78.47	7581.08
	1/16/2014	11:23	1/16/2014 11:23	43	33	34.5	5	57	10.4		634.7	72.61	7653.70
	1/16/2014	13:11	1/16/2014 13:11	49	32	34	5.9	58	12.1		1216.0	139.11	7792.80
	1/16/2014	14:50	1/16/2014 14:50	49	31.5	33.5	7	58	14.3		1308.1	149.65	7942.45
	1/16/2014	15:52	1/16/2014 15:52	50	31.5	33.5	7.2	58	14.7		899.5	102.91	8045.36
	1/16/2014	16:13	1/16/2014 16:13	52	31	33	7.5	58	15.2		314.5	35.98	8081.34
	1/16/2014	16:15	1/16/2014 16:15								30.5	3.49	8084.83
SW-51 Event 8	1/28/2014	7:31	1/28/2014 7:31				0		0.0				8084.83
	1/28/2014	7:32	1/28/2014 7:32	55	36	34.5	<2	57	0.0		0.0	0.00	8084.83
	1/28/2014	7:36	1/28/2014 7:36	55	36	34.5	<2	57	0.0		0.0	0.00	8084.83
	1/28/2014	8:09	1/28/2014 8:09	55	35	34	<2	57	0.0		0.0	0.00	8084.83
	1/28/2014	8:31	1/28/2014 8:31	55	35	34	<2	57	0.0		0.0	0.00	8084.83
	1/28/2014	10:05	1/28/2014 10:05	53	35	34	2	57	4.2		199.6	22.83	8107.66
	1/28/2014	11:10	1/28/2014 11:10	53	34	33	3	55	6.3		343.3	39.27	8146.93
	1/28/2014	11:11	1/28/2014 11:11	53	36	35	4	55	8.6		7.5	0.85	8147.78
	1/28/2014	11:42	1/28/2014 11:42	51	36	35	4	54	8.6		266.6	30.50	8178.28
	1/28/2014	13:02	1/28/2014 13:02	50	36	35	4	54	8.6		688.3	78.75	8257.02
	1/28/2014	14:03	1/28/2014 14:03	50	36	35	4.5	53	9.7		558.0	63.83	8320.86
	1/28/2014	14:58	1/28/2014 14:58	50	36	35	5	52	10.8		562.8	64.39	8385.24
	1/28/2014	15:36	1/28/2014 15:36	50	36	35	5	50	10.8		410.0	46.90	8432.14
	1/28/2014	15:37	1/28/2014 15:37								10.8	1.24	8433.38
	1/28/2014	15:38	1/28/2014 15:38			28							8433.38

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)	
SW-51 Event 9	1/29/2014	7:50	1/29/2014 7:50										8433.38	
	1/29/2014	8:01	1/29/2014 8:01				0		0				8433.38	
	1/29/2014	8:02	1/29/2014 8:02	55	36	35.5	<2	42	0.0		0.0	0.00	8433.38	
	1/29/2014	8:57	1/29/2014 8:57	50	36	35	4	42	8.7		239.6	27.41	8460.78	
	1/29/2014	10:22	1/29/2014 10:22	50	34.5	34	4.5	42	9.7		780.4	89.28	8550.06	
	1/29/2014	11:49	1/29/2014 11:49	50	34.5	34	4.5	42	9.7		839.7	96.06	8646.12	
	1/29/2014	12:12	1/29/2014 12:12	50	34.5	34	4.5	42	9.7		222.0	25.39	8671.51	
	1/29/2014	12:13	1/29/2014 12:13								9.7	1.10	8672.62	
	1/29/2014	12:14	1/29/2014 12:14			25.5							8672.62	
SW-51 Event 10	2/3/2014	8:25	2/3/2014 8:25	52	34	36	<2	68	0.0				8672.62	
	2/3/2014	8:56	2/3/2014 8:56	53	33	35	<2	74	0.0		0.0	0.00	8672.62	
	2/3/2014	9:20	2/3/2014 9:20	52	33	35	<2	77	0.0		0.0	0.00	8672.62	
	2/3/2014	10:23	2/3/2014 10:23	54	32.5	35	<2	83	0.0		0.0	0.00	8672.62	
	2/3/2014	10:27	2/3/2014 10:27	54	34	35.5	2	83	4.1		8.2	0.94	8673.56	
	2/3/2014	12:09	2/3/2014 12:09	52	34	35.5	3	86	6.1		521.4	59.65	8733.20	
	2/3/2014	13:26	2/3/2014 13:26	52	34	35.5	3.8	84	7.8		535.3	61.23	8794.44	
	2/3/2014	14:26	2/3/2014 14:26	52	34	35.5	4.2	83	8.6		491.3	56.21	8850.65	
	2/3/2014	15:32	2/3/2014 15:32	52	34	35.5	4.8	82	9.8		608.6	69.63	8920.27	
	2/3/2014	17:01	2/3/2014 17:01	52	34	35.5	6	80	12.3		986.4	112.84	9033.11	
	2/4/2014	9:50	2/4/2014 9:50	52	32.5	35	9	61	18.5		15569.5	1781.16	10814.27	
	2/4/2014	9:53	2/4/2014 9:53			30					55.6	6.36	10820.63	
	SW-51 Event 11	2/5/2014	8:28	2/5/2014 8:28	50	30.5	29.5	15.5	66	31.1				10820.63
		2/5/2014	8:29	2/5/2014 8:29	50	33	33	17.2	66	35.4		33.3	3.80	10824.43
2/5/2014		8:30	2/5/2014 8:30	50	34	33.5	18	66	37.5		36.5	4.17	10828.61	
2/5/2014		9:01	2/5/2014 9:01	46	35	35	16.2	67	34.0		1108.7	126.84	10955.44	
2/5/2014		10:35	2/5/2014 10:35	44	35	35	14.5	70	30.4		3028.5	346.46	11301.91	
2/5/2014		11:37	2/5/2014 11:37	44	36	35.5	14.2	75	29.9		1869.3	213.85	11515.76	
2/5/2014		12:47	2/5/2014 12:47	44	36	35.5	14	77	29.4		2077.3	237.64	11753.39	
2/5/2014		13:45	2/5/2014 13:45	46	36	35.5	13.8	82	28.9		1691.0	193.45	11946.85	
2/5/2014		14:56	2/5/2014 14:56	46	36	35.5	13.8	83	28.8		2049.2	234.43	12181.28	
2/5/2014		15:49	2/5/2014 15:49	46	36	35.5	13.8	78	29.0		1532.6	175.33	12356.61	
2/5/2014		17:14	2/5/2014 17:14	50	36	35.5	13.5	80	28.3		2434.8	278.54	12635.15	
2/5/2014		21:26	2/5/2014 21:26	49	36	35.5	14	63	29.8		7326.4	838.14	13473.29	
2/6/2014		8:17	2/6/2014 8:17	52	36	35.5	15.8	48	34.2		20844.8	2384.65	15857.94	
2/6/2014		8:19	2/6/2014 8:19			32					68.4	7.82	15865.76	
SW-51 Event 12	2/7/2014	7:52	2/7/2014 7:52	48	29	28	17.8	49	35.7				15865.76	
	2/7/2014	7:54	2/7/2014 7:54	48	33	32.5	22	49	46.1		81.8	9.36	15875.12	
	2/7/2014	9:15	2/7/2014 9:15	44	34	33.5	18	56	37.9		3400.7	389.04	16264.16	
	2/7/2014	11:32	2/7/2014 11:32	42	34.5	34	16.3	60	34.3		4944.3	565.63	16829.79	
	2/7/2014	13:19	2/7/2014 13:19	42	34.5	34.5	15.3	63	32.1		3554.7	406.65	17236.45	
	2/7/2014	13:20	2/7/2014 13:20			34.5					32.1	3.67	17240.12	
SW-51 Event 13	3/5/2015	7:52	3/5/2015 7:52		25	28	0	70	0				17240.12	
	3/5/2015	8:19	3/5/2015 8:19		25	27	0	70	0		0	0	17240.12	
	3/5/2015	8:20	3/5/2015 8:20		28	30	0	70	0		0	0	17240.12	
	3/5/2015	10:16	3/5/2015 10:16		28	30	0	84	0		0	0	17240.12	
	3/5/2015	10:17	3/5/2015 10:17		34	35	6	84	12.3		6.14	0.70	17240.82	
	3/5/2015	11:34	3/5/2015 11:34		34	35	6	86	12.3		944.47	108.05	17348.87	
	3/5/2015	12:41	3/5/2015 12:41		34	35	6	90	12.2		819.48	93.75	17442.62	
	3/5/2015	12:42	3/5/2015 12:42		36	36	8.5	90	17.7		14.93	1.71	17444.33	
	3/5/2015	14:28	3/5/2015 14:28		36	36	9.5	88	19.8		1983.06	226.86	17671.19	
	3/5/2015	15:46	3/5/2015 15:46		36	35.5	10	89	20.8		1581.48	180.92	17852.11	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/5/2015	17:00	3/5/2015 17:00		36	35.5	10	88	20.8		1538.87	176.05	18028.16
	3/5/2015	17:01	3/5/2015 17:01			31					20.81	2.38	18030.54
SW-51 Event 14	3/10/2015	8:25	3/10/2015 8:25		36	33	0	62	0.0				18030.54
	3/10/2015	8:56	3/10/2015 8:56		34	32	3	67	6.2		96.7	11.07	18041.60
	3/10/2015	8:57	3/10/2015 8:57		38	36	5.5	67	11.9		9.1	1.04	18042.64
	3/10/2015	10:12	3/10/2015 10:12		38	36	6.5	80	13.9		967.8	110.71	18153.36
	3/10/2015	11:37	3/10/2015 11:37		38	35.5	8	86	17.0		1313.4	150.26	18303.61
	3/10/2015	12:40	3/10/2015 12:40		38	35	9	90	19.1		1136.1	129.97	18433.58
	3/10/2015	12:42	3/10/2015 12:42		0	29	0	0			38.1	4.36	18437.94
SW-51 Event 15	3/16/2015	11:20	3/16/2015 11:20		34	35	0	90	0.0				18437.94
	3/16/2015	12:44	3/16/2015 12:44		34	34	4	91	8.1		341.5	39.07	18477.01
	3/16/2015	12:45	3/16/2015 12:45		37	37	7	91	14.7		11.4	1.30	18478.31
	3/16/2015	14:01	3/16/2015 14:01		37	37	7	91	14.7		1114.7	127.52	18605.83
	3/16/2015	16:12	3/16/2015 16:12		37	36	9	90	18.9		2197.0	251.34	18857.18
	3/16/2015	17:21	3/16/2015 17:21		37	36	10	88	21.0		1376.1	157.43	19014.61
	3/16/2015	17:22	3/16/2015 17:22			29.5					21.0	2.40	19017.01
SW-51 Event 16	3/18/2015	7:58	3/18/2015 7:58		33	33	0	68	0.0				19017.01
	3/18/2015	8:06	3/18/2015 8:06		32	32.5	0	68	0.0		0.0	0.00	19017.01
	3/18/2015	8:07	3/18/2015 8:07		35	36	<2	68	0.0		0.0	0.00	19017.01
	3/18/2015	9:07	3/18/2015 9:07		35	35	4.5	74	9.4		281.8	32.24	19049.25
	3/18/2015	10:30	3/18/2015 10:30		35	34.5	6	77	12.5		908.1	103.89	19153.14
	3/18/2015	12:06	3/18/2015 12:06		35	34	7	77	14.6		1298.8	148.58	19301.72
	3/18/2015	12:07	3/18/2015 12:07			25.5					14.6	1.67	19303.39
SW-51 Event 17	3/19/2015	8:18	3/19/2015 8:18		30	30	0	66	0.0				19303.39
	3/19/2015	8:21	3/19/2015 8:21		36	35	0	66	0.0		0.0	0.00	19303.39
	3/19/2015	9:29	3/19/2015 9:29		36	34	4	68	8.5		288.5	33.00	19336.39
	3/19/2015	10:41	3/19/2015 10:41		36	34	5	70	10.6		686.5	78.53	19414.92
	3/19/2015	11:49	3/19/2015 11:49		35	33.5	6	70	12.6		787.4	90.08	19505.00
	3/19/2015	13:27	3/19/2015 13:27		35	33	7	74	14.6		1332.1	152.39	19657.39
	3/19/2015	13:28	3/19/2015 13:28		37	34	10	74	21.3		18.0	2.05	19659.45
	3/19/2015	14:18	3/19/2015 14:18		37	34	10	74	21.3		1064.9	121.82	19781.27
	3/19/2015	15:27	3/19/2015 15:27		37	34	11	74	23.4		1543.0	176.52	19957.78
	3/19/2015	16:40	3/19/2015 16:40		37	34	11	73	23.4		1711.0	195.74	20153.52
	3/19/2015	17:24	3/19/2015 17:24		37	34	11	71	23.5		1032.8	118.15	20271.67
	3/19/2015	17:25	3/19/2015 17:25			27					23.5	2.69	20274.36
Total CO ₂ Mass (lbs):												20274.36	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-52 Event 1	11/18/2013	10:20	11/18/2013 10:20	32	13.5			37.4	0.0				0.00
	11/18/2013	10:23	11/18/2013 10:23	32	32	30	<2	37.4	0.0		0.0	0.00	0.00
	11/18/2013	10:25	11/18/2013 10:25	37	37	31.5	<2	37.4	0.0		0.0	0.00	0.00
	11/18/2013	10:31	11/18/2013 10:31	24	31	31.5	<2	50.5	0.0		0.0	0.00	0.00
	11/18/2013	10:39	11/18/2013 10:39	38	35	34.5	4	52.3	6.9		27.7	3.16	3.16
	11/18/2013	11:34	11/18/2013 11:34	38	36	33.5	5.25	60.4	9.1		440.3	50.37	53.54
	11/18/2013	11:35	11/18/2013 11:35	40	38	35.5	6.5	60.4	11.5		10.3	1.18	54.71
	11/18/2013	12:07	11/18/2013 12:07	40	38	35.5	6.5	59.5	11.5		367.7	42.06	96.77
	11/18/2013	12:57	11/18/2013 12:57	40	38	35	6.75	58.8	11.9		586.0	67.04	163.81
	11/18/2013	13:21	11/18/2013 13:21	40	38	35	7	55	12.4		292.6	33.47	197.28
	11/18/2013	13:23	11/18/2013 13:23	42	39.5	37	8.25	53.3	14.9		27.3	3.13	200.41
	11/18/2013	14:36	11/18/2013 14:36	43	40	37	8.25	51.6	15.0		1090.7	124.78	325.18
	11/18/2013	14:38	11/18/2013 14:38								30.0	3.43	328.61
	11/18/2013	14:39	11/18/2013 14:39	38	29	24							328.61
	11/18/2013	14:40	11/18/2013 14:40										328.61
SW-52 Event 2	12/4/2013	12:39	12/4/2013 12:39	55	36	36.5	<2	87	0.0				328.61
	12/4/2013	13:09	12/4/2013 13:09	55	36	35.5	<2	85	0.0		0.0	0.00	328.61
	12/4/2013	13:48	12/4/2013 13:48	51	36	35	<2	86	0.0		0.0	0.00	328.61
	12/4/2013	14:46	12/4/2013 14:46	53	36	35	2.5	80	5.2		152.0	17.39	346.00
	12/4/2013	15:53	12/4/2013 15:53	53	36	34.5	3.5	81	7.3		421.2	48.18	394.18
	12/4/2013	17:32	12/4/2013 17:32	54	35	34.5	4	69	8.4		778.2	89.03	483.21
	12/4/2013	17:34	12/4/2013 17:34								16.8	1.92	485.13
	12/4/2013	17:35	12/4/2013 17:35			27.5							485.13
	SW-52 Event 3	12/5/2013	7:54	12/5/2013 7:54	57	37	36.5	<2	66	0.0			
12/5/2013		8:19	12/5/2013 8:19	55	36	35.5	<2	68	0.0		0.0	0.00	485.13
12/5/2013		8:25	12/5/2013 8:25								0.0	0.00	485.13
12/5/2013		8:27	12/5/2013 8:27										485.13
12/5/2013		8:30	12/5/2013 8:30	55	36	35	<2	70	0.0				485.13
12/5/2013		9:08	12/5/2013 9:08	53	36	35	<2	73	0.0		0.0	0.00	485.13
12/5/2013		10:12	12/5/2013 10:12	51	36	35	<2	80	0.0		0.0	0.00	485.13
12/5/2013		11:27	12/5/2013 11:27	50	36	35	2	85	4.2		156.5	17.90	503.03
12/5/2013		14:13	12/5/2013 14:13	51	36	34.5	3.5	87	7.3		951.3	108.83	611.86
12/5/2013		15:18	12/5/2013 15:18	49	35	34.5	4	86	8.3		505.1	57.79	669.65
12/5/2013		16:28	12/5/2013 16:28	50	35	34.5	4	82	8.3		578.9	66.23	735.87
12/5/2013		17:50	12/5/2013 17:50	55	35	34.5	4	70	8.4		683.4	78.18	814.05
12/5/2013		21:59	12/5/2013 21:59	55	35	34.5	5	68	10.5		2350.7	268.92	1082.98
12/6/2013		7:03	12/6/2013 7:03	54	35	33	6	66	12.6		6289.2	719.49	1802.47
12/6/2013		9:26	12/6/2013 9:26	45	35	33	6	77	12.5		1795.5	205.40	2007.87
12/6/2013		9:27	12/6/2013 9:27	45	36	34.5	8.5	77	17.9		15.2	1.74	2009.61
12/6/2013		10:36	12/6/2013 10:36	41	36	34.5	7.5	84	15.7		1157.0	132.36	2141.97
12/6/2013		11:31	12/6/2013 11:31	40	36	34.5	7.5	86	15.6		860.7	98.46	2240.43
12/6/2013		13:46	12/6/2013 13:46	45	36	35	8	88	16.6		2178.8	249.25	2489.68
12/6/2013		14:27	12/6/2013 14:27	45	36	35	8	86	16.7		683.1	78.14	2567.82
12/6/2013	15:25	12/6/2013 15:25	45	36	35	8	80	16.8		970.0	110.97	2678.78	
12/6/2013	17:17	12/6/2013 17:17	46	38	35	8	74	17.2		1902.7	217.67	2896.45	
12/6/2013	17:19	12/6/2013 17:19								34.4	3.94	2900.39	
12/6/2013	17:20	12/6/2013 17:20			29							2900.39	
SW-52 Event 4	12/10/2013	13:01	12/10/2013 13:01	52.5	35	34	<2	80	0.0				2900.39
	12/10/2013	13:57	12/10/2013 13:57	52	34	34	<2	70	0.0		0.0	0.00	2900.39
	12/10/2013	14:25	12/10/2013 14:25	50	34	34	<2	72	0.0		0.0	0.00	2900.39
	12/10/2013	15:01	12/10/2013 15:01	50	34	32	<2	72	0.0		0.0	0.00	2900.39

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/10/2013	15:02	12/10/2013 15:02	50	34	33	<2	72	0.0		0.0	0.00	2900.39
	12/10/2013	15:36	12/10/2013 15:36	50	35	33.5	<2	74	0.0		0.0	0.00	2900.39
	12/10/2013	16:15	12/10/2013 16:15	50	35	33	<2	72	0.0		0.0	0.00	2900.39
	12/10/2013	17:22	12/10/2013 17:22	45	35	33	<2	66	0.0		0.0	0.00	2900.39
	12/10/2013	22:27	12/10/2013 22:27	52	34	32	5.5	54	11.6		1767.6	202.22	3102.60
	12/11/2013	7:45	12/11/2013 7:45	50	34	32	4	50	8.5		5595.4	640.11	3742.71
	12/11/2013	12:25	12/11/2013 12:25	47.5	34	32	4.5	70	9.3		2491.7	285.05	4027.76
	12/11/2013	14:40	12/11/2013 14:40	50	34	32	5	66	10.4		1332.8	152.47	4180.23
	12/11/2013	17:47	12/11/2013 17:47	55	34	32	5.5	60	11.5		2050.7	234.60	4414.83
	12/11/2013	22:10	12/11/2013 22:10	55	34	32	7	60	14.7		3443.2	393.91	4808.74
	12/12/2013	7:45	12/12/2013 7:45	52.5	33	31	9	50	18.8		9633.4	1102.07	5910.81
	12/12/2013	8:56	12/12/2013 8:56			24					1338.0	153.06	6063.87
SW-52 Event 5	12/17/2013	12:23	12/17/2013 12:23	48	32	33.5	<2	71	0.0				6063.87
	12/17/2013	13:15	12/17/2013 13:15	50	30	28	<2	73	0.0		0.0	0.00	6063.87
	12/17/2013	13:16	12/17/2013 13:16	50	31	33	<2	73	0.0		0.0	0.00	6063.87
	12/17/2013	14:18	12/17/2013 14:18	45	31	33	<2	74	0.0		0.0	0.00	6063.87
	12/17/2013	14:20	12/17/2013 14:20	45	33	34	<2	74	0.0		0.0	0.00	6063.87
	12/17/2013	15:32	12/17/2013 15:32	45	32	34	<2	72	0.0		0.0	0.00	6063.87
	12/17/2013	16:43	12/17/2013 16:43	45	34	34	<2	69	0.0		0.0	0.00	6063.87
	12/17/2013	22:16	12/17/2013 22:16	45	34	34	<2	54	0.0		0.0	0.00	6063.87
	12/18/2013	9:05	12/18/2013 9:05	50	32	34	3	59	6.2		1998.2	228.60	6292.46
	12/18/2013	12:49	12/18/2013 12:49	52	32	34	4	59	8.2		1609.3	184.10	6476.56
	12/18/2013	14:28	12/18/2013 14:28	50	32	33	5	68	10.2		909.9	104.10	6580.66
	12/18/2013	16:48	12/18/2013 16:48	48	32	33.5	5.5	64	11.2		1498.4	171.41	6752.07
	12/18/2013	18:01	12/18/2013 18:01	55	32	33	6	53	12.4		862.3	98.64	6850.72
	12/18/2013	18:02	12/18/2013 18:02			28					12.4	1.42	6852.14
SW-52 Event 6	1/8/2014	8:18	1/8/2014 8:18	58	35	34.5	<2	39	0.0				6852.14
	1/8/2014	9:00	1/8/2014 9:00	51	35	34	<2	39	0.0		0.0	0.00	6852.14
	1/8/2014	9:55	1/8/2014 9:55	47	35	34	<2	48	0.0		0.0	0.00	6852.14
	1/8/2014	10:48	1/8/2014 10:48	46	35	33.5	<2	52	0.0		0.0	0.00	6852.14
	1/8/2014	12:03	1/8/2014 12:03	45	34	33	<2	60	0.0		0.0	0.00	6852.14
	1/8/2014	13:20	1/8/2014 13:20	52	34	33	<2	58	0.0		0.0	0.00	6852.14
	1/8/2014	14:25	1/8/2014 14:25	50	34	33	<2	56	0.0		0.0	0.00	6852.14
	1/8/2014	16:25	1/8/2014 16:25	50	34	33	<2	53	0.0		0.0	0.00	6852.14
	1/8/2014	21:10	1/8/2014 21:10	55	32.5	32	<2	50	0.0		0.0	0.00	6852.14
	1/8/2014	21:11	1/8/2014 21:11	55	34	33.5	4.5	50	9.5		4.8	0.54	6852.68
	1/9/2014	7:09	1/9/2014 7:09	54	34	34	5	54	10.5		5997.8	686.15	7538.83
	1/9/2014	8:24	1/9/2014 8:24	52	33	34.5	5	54	10.4		786.1	89.93	7628.76
	1/9/2014	8:25	1/9/2014 8:25								10.4	1.19	7629.95
	1/9/2014	8:27	1/9/2014 8:27			29.5							7629.95
SW-52 Event 7	1/13/2014	7:50	1/13/2014 7:50	55	31	32.5	4.5	48	9.2				7629.95
	1/13/2014	7:51	1/13/2014 7:51	55	33	32	5.8	48	12.2		10.7	1.22	7631.18
	1/13/2014	7:52	1/13/2014 7:52	55	32	34	5	48	10.4		11.3	1.29	7632.47
	1/13/2014	8:42	1/13/2014 8:42	47	32	34.2	5	52	10.3		517.8	59.24	7691.71
	1/13/2014	9:43	1/13/2014 9:43	45	32	34.2	5	60	10.3		628.0	71.84	7763.55
	1/13/2014	11:04	1/13/2014 11:04	45	32	34.2	5	71	10.1		826.0	94.49	7858.04
	1/13/2014	12:05	1/13/2014 12:05	48	32	34.2	5	72	10.1		618.4	70.74	7928.78
	1/13/2014	13:07	1/13/2014 13:07	45	32	34	5	74	10.1		627.6	71.80	8000.58
	1/13/2014	14:34	1/13/2014 14:34	42	32.5	34	5	72	10.2		883.0	101.02	8101.60
	1/13/2014	15:51	1/13/2014 15:51	40	32	34	5	70	10.2		783.1	89.58	8191.18
	1/13/2014	16:37	1/13/2014 16:37	40	32	33.8	5	70	10.2		467.0	53.42	8244.61

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/13/2014	17:08	1/13/2014 17:08	50	32	33.5	5.2	70	10.6		321.0	36.72	8281.33
	1/13/2014	21:47	1/13/2014 21:47	50	32	33.5	5.9	63	12.1		3155.6	361.00	8642.32
	1/14/2014	7:58	1/14/2014 7:58	50	33	33.5	6.5	62	13.4		7792.8	891.50	9533.83
	1/14/2014	8:01	1/14/2014 8:01			28							9533.83
SW-52 Event 8	1/20/2014	7:51	1/20/2014 7:51	55	32	34	<2	40	0.0				9533.83
	1/20/2014	8:25	1/20/2014 8:25	52	30	32.5	<2	50	0.0		0.0	0.00	9533.83
	1/20/2014	8:26	1/20/2014 8:26	52	32	33.5	3	50	6.2		3.1	0.36	9534.18
	1/20/2014	9:08	1/20/2014 9:08	50	32	33.5	3.5	60	7.2		281.2	32.17	9566.35
	1/20/2014	10:20	1/20/2014 10:20	49	32	33.5	3.5	66	7.1		515.2	58.94	9625.29
	1/20/2014	11:22	1/20/2014 11:22	49	32	33.5	3.5	70	7.1		441.5	50.50	9675.80
	1/20/2014	13:05	1/20/2014 13:05	50	32	33.5	3.5	72	7.1		731.3	83.66	9759.45
	1/20/2014	14:10	1/20/2014 14:10	51	31.5	33.2	3.7	72	7.5		472.9	54.10	9813.55
	1/20/2014	15:21	1/20/2014 15:21	53	31.5	33.2	3.8	73	7.7		536.3	61.36	9874.90
	1/20/2014	16:40	1/20/2014 16:40	55	31.5	33.2	3.9	74	7.8		612.1	70.02	9944.93
	1/20/2014	16:41	1/20/2014 16:41			28							9944.93
SW-52 Event 9	1/22/2014	7:57	1/22/2014 7:57	58	32	33.2	5.5	38	11.5				9944.93
	1/22/2014	8:41	1/22/2014 8:41	53	31.5	33.2	5.5	44	11.4		504.6	57.72	10002.65
	1/22/2014	9:42	1/22/2014 9:42	47	31.5	33.2	4.5	47	9.3		631.3	72.22	10074.87
	1/22/2014	10:50	1/22/2014 10:50	45	31.5	33.2	4.5	50	9.3		631.3	72.23	10147.10
	1/22/2014	11:53	1/22/2014 11:53	43	31.5	33.2	4.5	54	9.2		582.8	66.68	10213.78
	1/22/2014	12:25	1/22/2014 12:25	42	31.5	33.2	4.5	55	9.2		295.3	33.78	10247.56
	1/22/2014	12:26	1/22/2014 12:26								9.2	1.06	10248.61
	1/22/2014	12:27	1/22/2014 12:27			29							10248.61
	1/22/2014	12:27	1/22/2014 12:27	42	31.5	33.2	4.5	55	9.2				10248.61
	1/22/2014	13:11	1/22/2014 13:11	47	31.5	33.2	4.5	55	9.2		405.8	46.43	10295.04
	1/22/2014	14:06	1/22/2014 14:06	46	31.5	33.2	4.5	54	9.2		507.5	58.06	10353.10
	1/22/2014	15:13	1/22/2014 15:13	53	31.5	33.2	4.5	55	9.2		618.3	70.73	10423.84
	1/22/2014	16:10	1/22/2014 16:10	51	31.5	33.2	4.5	56	9.2		525.5	60.11	10483.95
	1/22/2014	16:11	1/22/2014 16:11								9.2	1.05	10485.00
SW-52 Event 10	1/28/2014	7:34	1/28/2014 7:34				0		0.0				10485.00
	1/28/2014	7:35	1/28/2014 7:35	55	34	35	<2	57	0.0		0.0	0.00	10485.00
	1/28/2014	7:37	1/28/2014 7:37	55	33	35	<2	57	0.0		0.0	0.00	10485.00
	1/28/2014	8:08	1/28/2014 8:08	55	32.5	34.5	<2	57	0.0		0.0	0.00	10485.00
	1/28/2014	8:30	1/28/2014 8:30	55	32.5	34.5	3	57	6.2		68.2	7.81	10492.81
	1/28/2014	10:04	1/28/2014 10:04	53	32.5	34.5	3	57	6.2		583.2	66.71	10559.52
	1/28/2014	11:09	1/28/2014 11:09	53	32.5	34.5	3	55	6.2		403.6	46.18	10605.70
	1/28/2014	11:40	1/28/2014 11:40	51	32.5	34.5	3	54	6.2		192.8	22.06	10627.76
	1/28/2014	13:00	1/28/2014 13:00	50	32.5	34.5	3	54	6.2		497.8	56.95	10684.70
	1/28/2014	14:02	1/28/2014 14:02	50	32.5	34.5	3	53	6.2		386.0	44.16	10728.86
	1/28/2014	14:57	1/28/2014 14:57	50	32.5	34.5	3	52	6.2		342.8	39.21	10768.07
	1/28/2014	16:48	1/28/2014 16:48	55	32.5	34.5	3	50	6.2		692.8	79.26	10847.33
	1/28/2014	16:49	1/28/2014 16:49								6.2	0.71	10848.05
	1/28/2014	16:50	1/28/2014 16:50			29							10848.05
SW-52 Event 11	1/29/2014	8:03	1/29/2014 8:03				0		0				10848.05
	1/29/2014	8:04	1/29/2014 8:04	55	32	32	6	42	12.5		6.3	0.72	10848.76
	1/29/2014	8:59	1/29/2014 8:59	50	32	32	5.5	42	11.5		660.5	75.56	10924.32
	1/29/2014	9:00	1/29/2014 9:00	50	35	35	7.5	42	16.2		13.8	1.58	10925.90
	1/29/2014	10:24	1/29/2014 10:24	50	34.5	35	6	42	12.9		1219.5	139.52	11065.42
	1/29/2014	11:50	1/29/2014 11:50	50	35	35	6	42	12.9		1109.5	126.93	11192.35
	1/29/2014	12:22	1/29/2014 12:22	50	35	35	6	42	12.9		413.9	47.35	11239.70
	1/29/2014	13:50	1/29/2014 13:50	50	35	35.5	6	42	12.9		1138.3	130.22	11369.92

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/29/2014	14:59	1/29/2014 14:59	49	35	35.5	6	42	12.9		892.5	102.10	11472.02
	1/29/2014	16:34	1/29/2014 16:34	56	35	35.5	6	42	12.9		1228.8	140.58	11612.60
	1/29/2014	16:35	1/29/2014 16:35								12.9	1.48	11614.08
	1/29/2014	16:36	1/29/2014 16:36			29.5							11614.08
SW-52 Event 12	1/30/2014	7:32	1/30/2014 7:32	56	34	34	10	40	21.4				11614.08
	1/30/2014	7:33	1/30/2014 7:33	53	34.5	34.5	10	40	21.5		21.4	2.45	11616.53
	1/30/2014	7:53	1/30/2014 7:53	52	35	35	9	42	19.4		408.9	46.78	11663.31
	1/30/2014	8:56	1/30/2014 8:56	50	35	35	8.5	42	18.3		1188.4	135.95	11799.27
	1/30/2014	10:02	1/30/2014 10:02	50	35	35	8.5	44	18.3		1208.2	138.21	11937.48
	1/30/2014	10:56	1/30/2014 10:56	50	35	35	8	48	17.1		956.5	109.42	12046.90
	1/30/2014	12:59	1/30/2014 12:59	55	35	35	8	48	17.1		2108.2	241.18	12288.08
	1/30/2014	13:38	1/30/2014 13:38								668.4	76.47	12364.55
	1/30/2014	13:40	1/30/2014 13:40			27							12364.55
SW-52 Event 13	2/4/2014	9:54	2/4/2014 9:54	55	34	35	<2	61	0.0				12364.55
	2/4/2014	9:58	2/4/2014 9:58	55	34	35	<2	61	0.0		0.0	0.00	12364.55
	2/4/2014	10:23	2/4/2014 10:23	54	33.2	35	<2	63	0.0		0.0	0.00	12364.55
	2/4/2014	11:39	2/4/2014 11:39	52	33	35	<2	66	0.0		0.0	0.00	12364.55
	2/4/2014	12:46	2/4/2014 12:46	50	32.5	34.2	<2	67	0.0		0.0	0.00	12364.55
	2/4/2014	12:48	2/4/2014 12:48	50	33.5	35.2	2	67	4.1		4.1	0.47	12365.02
	2/4/2014	13:26	2/4/2014 13:26	50	33.5	35.2	2	67	4.1		157.3	17.99	12383.01
	2/4/2014	14:33	2/4/2014 14:33	48	33.5	35.2	2.8	64	5.8		333.3	38.13	12421.15
	2/4/2014	15:32	2/4/2014 15:32	50	33.5	35.2	3	62	6.2		355.5	40.67	12461.81
	2/4/2014	16:27	2/4/2014 16:27	50	33.5	35.2	3.5	60	7.3		372.1	42.57	12504.38
	2/4/2014	17:51	2/4/2014 17:51	55	33.5	35.2	3.8	59	7.9		639.2	73.13	12577.51
	2/4/2014	17:52	2/4/2014 17:52			28					7.9	0.91	12578.42
SW-52 Event 14	2/6/2014	8:20	2/6/2014 8:20	55	31	32.5	<2	50	0.0				12578.42
	2/6/2014	8:21	2/6/2014 8:21	55	32.5	34	<2	50	0.0		0.0	0.00	12578.42
	2/6/2014	8:50	2/6/2014 8:50	53	32	34	<2	55	0.0		0.0	0.00	12578.42
	2/6/2014	10:53	2/6/2014 10:53	49	32	34	<2	62	0.0		0.0	0.00	12578.42
	2/6/2014	10:55	2/6/2014 10:55	49	33	35	2.5	62	5.2		5.2	0.59	12579.01
	2/6/2014	11:16	2/6/2014 11:16	48	33	35	3	64	6.2		119.3	13.65	12592.66
	2/6/2014	12:17	2/6/2014 12:17	47	33	35	3.7	66	7.6		421.4	48.21	12640.87
	2/6/2014	14:14	2/6/2014 14:14	46	33	35	4	65	8.2		928.6	106.23	12747.11
	2/6/2014	15:25	2/6/2014 15:25	47	33	34.8	4.2	60	8.7		601.9	68.86	12815.97
	2/6/2014	16:42	2/6/2014 16:42	46	33	34.8	4.5	56	9.4		695.7	79.59	12895.56
	2/6/2014	17:25	2/6/2014 17:25	55	33	35	4.5	55	9.4		402.9	46.09	12941.65
	2/7/2014	7:50	2/7/2014 7:50	50	32	34	7.8	48	16.2		11056.5	1264.87	14206.52
	2/7/2014	7:53	2/7/2014 7:53			28					48.6	5.56	14212.07
SW-52 Event 15	2/7/2014	10:35	2/7/2014 10:35	43	32	30	7	58	14.4				14212.07
	2/7/2014	10:37	2/7/2014 10:37		35	34.2	11	58	23.3		37.7	4.31	14216.39
	2/7/2014	11:35	2/7/2014 11:35	42	35.5	35	8	62	17.0		1169.1	133.74	14350.13
	2/7/2014	13:24	2/7/2014 13:24	45	35.5	35	7.5	64	15.9		1791.7	204.97	14555.10
	2/7/2014	14:35	2/7/2014 14:35	47	35.5	35	8	62	17.0		1167.1	133.52	14688.62
	2/7/2014	15:49	2/7/2014 15:49		35.5	35	8.2	60	17.4		1273.9	145.73	14834.35
	2/7/2014	16:47	2/7/2014 16:47		35.5	34.5	8.8	58	18.8		1049.9	120.10	14954.45
	2/7/2014	17:39	2/7/2014 17:39	55	35.5	34.5	9	56	19.2		987.5	112.97	15067.42
	2/7/2014	17:42	2/7/2014 17:42			27					57.7	6.60	15074.02
SW-52 Event 16	2/10/2014	8:46	2/10/2014 8:46	53	28	28	6	53	11.8				15074.02
	2/10/2014	8:48	2/10/2014 8:48	53	33	32.5	11	53	23.0		34.8	3.98	15078.00
	2/10/2014	9:37	2/10/2014 9:37	47	33.5	33.5	9.5	63	19.7		1046.1	119.68	15197.68
	2/10/2014	11:00	2/10/2014 11:00	46	33.5	33.5	8.2	78	16.8		1515.8	173.40	15371.08

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/10/2014	13:36	2/10/2014 13:36	45	33.5	33.5	8	84	16.3		2579.6	295.11	15666.19
	2/10/2014	15:08	2/10/2014 15:08	44	33.5	33	8	84	16.3		1498.2	171.39	15837.58
	2/10/2014	16:58	2/10/2014 16:58	44	33.5	33	8	73	16.5		1800.8	206.02	16043.60
	2/10/2014	17:33	2/10/2014 17:33	48	33.5	33	7.7	70	15.9		566.0	64.75	16108.35
	2/10/2014	17:36	2/10/2014 17:36								47.7	5.45	16113.81
SW-52 Event 17	2/11/2014	8:00	2/11/2014 8:00	55	34	34	<2	54	0.0				16113.81
	2/11/2014	8:02	2/11/2014 8:02	53	34	34	10	54	21.1		21.1	2.41	16116.22
	2/11/2014	8:40	2/11/2014 8:40	53	34	34	8.5	56	17.9		740.1	84.67	16200.88
	2/11/2014	9:28	2/11/2014 9:28	49	34.2	34	8	61	16.8		831.7	95.14	16296.03
	2/11/2014	10:45	2/11/2014 10:45	50	34.2	34	7.2	67	15.0		1223.7	139.99	16436.02
	2/11/2014	11:57	2/11/2014 11:57	50	34.2	34	7.2	66	15.0		1081.2	123.69	16559.71
	2/11/2014	12:58	2/11/2014 12:58	45	34.2	34	6.8	65	14.2		891.4	101.98	16661.69
	2/11/2014	14:02	2/11/2014 14:02	45	34.2	34	6.8	63	14.2		909.9	104.09	16765.78
	2/11/2014	16:55	2/11/2014 16:55	44	34.2	34	6.8	53	14.4		2474.5	283.08	17048.86
	2/11/2014	17:44	2/11/2014 17:44	55	34.2	34	6.8	51	14.4		705.1	80.66	17129.52
	2/12/2014	8:37	2/12/2014 8:37	45	34	33	10	47	21.2		15908.9	1819.98	18949.50
	2/12/2014	11:42	2/12/2014 11:42	45	33.5	32.5	11	48	23.2		4109.6	470.13	19419.63
	2/12/2014	14:03	2/12/2014 14:03	48	33.5	32.5	11	49	23.2		3269.8	374.07	19793.70
	2/12/2014	14:58	2/12/2014 14:58	48	33.5	32.5	10.5	46	22.2		1247.7	142.74	19936.44
	2/12/2014	15:58	2/12/2014 15:58	48	33.5	32.5	10.2	45	21.6		1313.2	150.23	20086.67
	2/12/2014	16:57	2/12/2014 16:57	48	33.5	32.5	10.2	45	21.6		1273.3	145.66	20232.33
	2/12/2014	17:57	2/12/2014 17:57	48	33.5	32.5	10.4	47	22.0		1306.2	149.43	20381.76
	2/13/2014	7:16	2/13/2014 7:16	50	34	32.5	10.4	43	22.2		17628.1	2016.65	22398.41
	2/13/2014	8:03	2/13/2014 8:03	47	33.8	32.5	10.4	43	22.1		1040.7	119.06	22517.47
	2/13/2014	9:08	2/13/2014 9:08	49	33.8	32.5	10.6	44	22.5		1450.9	165.98	22683.45
	2/13/2014	9:57	2/13/2014 9:57	49	33.8	32.5	10.8	44	22.9		1114.0	127.44	22810.89
	2/13/2014	10:37	2/13/2014 10:37	49	33.8	32.5	10.9	44	23.2		922.1	105.49	22916.38
	2/13/2014	11:07	2/13/2014 11:07	49	33.8	32.5	10.9	45	23.1		694.4	79.44	22995.82
	2/13/2014	11:38	2/13/2014 11:38	49	33.8	32.5	11	46	23.3		720.1	82.38	23078.20
	2/13/2014	12:08	2/13/2014 12:08	49	33.8	32.5	11	50	23.2		698.3	79.88	23158.08
	2/13/2014	12:38	2/13/2014 12:38	49	33.8	32.5	11	51	23.2		696.5	79.68	23237.76
	2/13/2014	13:08	2/13/2014 13:08	49	33.8	32.5	11	52	23.2		695.8	79.60	23317.36
	2/13/2014	14:10	2/13/2014 14:10	49	33.5	32.5	11	58	23.0		1430.6	163.66	23481.02
	2/13/2014	15:08	2/13/2014 15:08	49	33.5	32.5	11	60	22.9		1330.8	152.24	23633.26
	2/13/2014	15:21	2/13/2014 15:21	49	33.5	32.5	11	60	22.9		298.0	34.09	23667.35
	2/13/2014	15:22	2/13/2014 15:22			26							23667.35
SW-52 Event 18	2/25/2015	7:49	2/25/2015 7:49		28	28	0	52	0.0				23667.35
	2/25/2015	8:16	2/25/2015 8:16		27	28	0	54	0.0		0.0	0.00	23667.35
	2/25/2015	8:53	2/25/2015 8:53		27	28	0	54	0.0		0.0	0.00	23667.35
	2/25/2015	8:54	2/25/2015 8:54		35	34.5	6	54	12.8		6.4	0.73	23668.08
	2/25/2015	10:09	2/25/2015 10:09		36	35	6	58	12.9		961.1	109.95	23778.03
	2/25/2015	10:10	2/25/2015 10:10		37	36	7.5	58	16.2		14.5	1.66	23779.70
	2/25/2015	11:24	2/25/2015 11:24		36	37	8	60	17.1		1233.3	141.09	23920.79
	2/25/2015	13:21	2/25/2015 13:21		36	36	8	58	17.1		2003.2	229.17	24149.96
	2/25/2015	14:33	2/25/2015 14:33		36	36	8	54	17.2		1236.5	141.46	24291.42
	2/25/2015	15:33	2/25/2015 15:33		36	36	8	53	17.2		1033.0	118.18	24409.60
	2/25/2015	16:44	2/25/2015 16:44		36	36	8	52	17.2		1223.7	139.99	24549.58
	2/25/2015	16:45	2/25/2015 16:45			31					17.2	1.97	24551.56
SW-52 Event 19	3/3/2015	8:09	3/3/2015 8:09		30	31	0	66	0.0				24551.56
	3/3/2015	8:21	3/3/2015 8:21		30	30.5	4	66	8.0		47.8	5.47	24557.03

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/3/2015	8:22	3/3/2015 8:22		37	35	8	66	17.2		12.6	1.44	24558.47
	3/3/2015	9:56	3/3/2015 9:56		36	36	8	73	16.9		1600.7	183.12	24741.59
	3/3/2015	11:26	3/3/2015 11:26		35	35	8.5	82	17.6		1552.2	177.57	24919.16
	3/3/2015	15:12	3/3/2015 15:12		35	35	9.5	84	19.6		4209.0	481.51	25400.67
	3/3/2015	17:18	3/3/2015 17:18		35	35	10	78	20.8		2547.4	291.42	25692.09
	3/3/2015	17:20	3/3/2015 17:20			30					41.6	4.76	25696.85
Total CO ₂ Mass (lbs):												25696.85	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-53 Event 1	11/21/2013	9:47	11/21/2013 9:47	54	27			66	0.0				0.00
	11/21/2013	9:49	11/21/2013 9:49		31	30	<2		0.0		0.0	0.00	0.00
	11/21/2013	9:50	11/21/2013 9:50		32	33	<2		0.0		0.0	0.00	0.00
	11/21/2013	10:02	11/21/2013 10:02	55	34	33	<2	68	0.0		0.0	0.00	0.00
	11/21/2013	10:34	11/21/2013 10:34	52.5	33	32.5	<2	68	0.0		0.0	0.00	0.00
	11/21/2013	13:30	11/21/2013 13:30	50	32.5	32.5	<2	74	0.0		0.0	0.00	0.00
	11/21/2013	13:31	11/21/2013 13:31	51	35	35	<2	74	0.0		0.0	0.00	0.00
	11/21/2013	17:17	11/21/2013 17:17		36		<2		0.0		0.0	0.00	0.00
	11/21/2013	17:18	11/21/2013 17:18		37	35.5	<2		0.0		0.0	0.00	0.00
	11/21/2013	17:19	11/21/2013 17:19								0.0	0.00	0.00
	11/21/2013	17:20	11/21/2013 17:20			18							0.00
SW-53 Event 2	11/25/2013	8:42	11/25/2013 8:42	55	27		0	52	0.0				0.00
	11/25/2013	8:43	11/25/2013 8:43		32	32	<2	52	0.0		0.0	0.00	0.00
	11/25/2013	8:45	11/25/2013 8:45		36	36	<2	52	0.0		0.0	0.00	0.00
	11/25/2013	9:18	11/25/2013 9:18		35	35	<2	56	0.0		0.0	0.00	0.00
	11/25/2013	10:18	11/25/2013 10:18		35	34.5	<2	63	0.0		0.0	0.00	0.00
	11/25/2013	10:19	11/25/2013 10:19		36	36	<2	63	0.0		0.0	0.00	0.00
	11/25/2013	11:19	11/25/2013 11:19	55	36	36	<2	60	0.0		0.0	0.00	0.00
	11/25/2013	12:02	11/25/2013 12:02		36	36	<2	62	0.0		0.0	0.00	0.00
	11/25/2013	12:03	11/25/2013 12:03								0.0	0.00	0.00
	11/25/2013	12:04	11/25/2013 12:04			24.5					0.0	0.00	0.00
	11/25/2013	12:38	11/25/2013 12:38	48	30			64			0.0	0.00	0.00
	11/25/2013	12:39	11/25/2013 12:39		34	35	<2	64	0.0		0.0	0.00	0.00
	11/25/2013	13:48	11/25/2013 13:48		34	34	<2	64	0.0		0.0	0.00	0.00
11/25/2013	13:51	11/25/2013 13:51								0.0	0.00	0.00	
11/25/2013	13:52	11/25/2013 13:52			29							0.00	
SW-53 Event 3	12/4/2013	8:27	12/4/2013 8:27				0		0.0				0.00
	12/4/2013	8:28	12/4/2013 8:28	50	36	36	<2	71	0.0		0.0	0.00	0.00
	12/4/2013	8:30	12/4/2013 8:30	50	35	34	<2	71	0.0		0.0	0.00	0.00
	12/4/2013	8:51	12/4/2013 8:51	50	35	33.5	<2	74	0.0		0.0	0.00	0.00
	12/4/2013	9:15	12/4/2013 9:15	50	35	33	<2	76	0.0		0.0	0.00	0.00
	12/4/2013	10:07	12/4/2013 10:07	49	34	32.5	<2	78	0.0		0.0	0.00	0.00
	12/4/2013	10:08	12/4/2013 10:08	49	36	35	<2	78	0.0		0.0	0.00	0.00
	12/4/2013	11:08	12/4/2013 11:08	47	36	35	<2	83	0.0		0.0	0.00	0.00
	12/4/2013	12:34	12/4/2013 12:34	52	36	35	<2	87	0.0		0.0	0.00	0.00
	12/4/2013	12:35	12/4/2013 12:35								0.0	0.00	0.00
	12/4/2013	12:36	12/4/2013 12:36										0.00
SW-53 Event 4	12/11/2013	14:49	12/11/2013 14:49		34		<2	66	0.0				0.00
	12/11/2013	17:17	12/11/2013 17:17			35	<2		0.0		0.0	0.00	0.00
	12/11/2013	22:12	12/11/2013 22:12	55	34		<2	60	0.0		0.0	0.00	0.00
	12/12/2013	7:50	12/12/2013 7:50	52	34	34	3	50	6.3		1834.6	209.88	209.88
	12/12/2013	11:26	12/12/2013 11:26	45	34	34	3.5	68	7.3		1471.2	168.30	378.18
	12/12/2013	14:40	12/12/2013 14:40	48	35	34	4	70	8.4		1518.6	173.73	551.91
	12/12/2013	15:14	12/12/2013 15:14	45	34	34	4	70	8.3		283.5	32.44	584.35
	12/12/2013	16:34	12/12/2013 16:34	46	34	34	4	66	8.3		665.0	76.08	660.43
	12/12/2013	17:38	12/12/2013 17:38	55	34	34	4	56	8.4		535.7	61.29	721.72
	12/12/2013	22:12	12/12/2013 22:12		34	34	5	46	10.6		2608.0	298.36	1020.07
	12/13/2013	9:33	12/13/2013 9:33		33	33	6.5	63	13.4		8191.3	937.08	1957.16
	12/13/2013	12:00	12/13/2013 12:00	45	32	33	6	70	12.2		1882.7	215.38	2172.54
	12/13/2013	14:29	12/13/2013 14:29	45	32	33	6.5	68	13.2		1892.8	216.53	2389.07
	12/13/2013	14:30	12/13/2013 14:30								13.2	1.51	2390.58

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/13/2013	14:31	12/13/2013 14:31			25							2390.58
SW-53 Event 5	12/16/2013	17:27	12/16/2013 17:27	45	34	33	<2	58	0.0		0.0	0.00	2390.58
	12/16/2013	17:46	12/16/2013 17:46	50	34	32	<2	54	0.0		0.0	0.00	2390.58
	12/16/2013	22:10	12/16/2013 22:10	50	32	30.5	<2	44	0.0		0.0	0.00	2390.58
	12/17/2013	7:54	12/17/2013 7:54	45	32	31	<2	46	0.0		0.0	0.00	2390.58
	12/17/2013	7:56	12/17/2013 7:56								0.0	0.00	2390.58
	12/17/2013	7:57	12/17/2013 7:57			24							2390.58
SW-53 Event 6	12/17/2013	11:33	12/17/2013 11:33	37	35	33.5	6	73	12.5				2390.58
	12/17/2013	13:01	12/17/2013 13:01	50	34	34	10	75	20.6		1459.8	167.00	2557.58
	12/17/2013	13:02	12/17/2013 13:02	50	32	33.5	8	75	16.2		18.4	2.11	2559.69
	12/17/2013	14:15	12/17/2013 14:15	42	35	34.5	4	76	8.3		894.2	102.29	2661.98
	12/17/2013	15:08	12/17/2013 15:08	45	34	34	5	75	10.3		494.3	56.55	2718.53
	12/17/2013	16:22	12/17/2013 16:22	45	34	34	5	74	10.3		764.1	87.41	2805.94
	12/17/2013	22:05	12/17/2013 22:05	45	34	35	6	54	12.6		3940.2	450.76	3256.70
	12/18/2013	12:35	12/18/2013 12:35	50	34	33.5	7.5	69	15.6		12273.9	1404.13	4660.83
	12/18/2013	14:25	12/18/2013 14:25	47	34	33.5	8	76	16.5		1763.7	201.77	4862.60
	12/18/2013	16:42	12/18/2013 16:42	45	34	33	8	70	16.6		2266.6	259.30	5121.89
	12/18/2013	18:08	12/18/2013 18:08	55	33	33	9	30	19.2		1540.9	176.28	5298.17
	12/18/2013	18:09	12/18/2013 18:09			24					19.2	2.20	5300.38
SW-53 Event 7	1/10/2014	9:35	1/10/2014 9:35		30	30	<2	66	0.0				5300.38
	1/10/2014	9:37	1/10/2014 9:37		32.5	32.5	<2	66	0.0		0.0	0.00	5300.38
	1/10/2014	9:45	1/10/2014 9:45	45	32.5	32.5	<2	66	0.0		0.0	0.00	5300.38
	1/10/2014	10:40	1/10/2014 10:40	42	32	32.5	<2	70	0.0		0.0	0.00	5300.38
	1/10/2014	12:20	1/10/2014 12:20	40	30.5	31	<2	72	0.0		0.0	0.00	5300.38
	1/10/2014	13:15	1/10/2014 13:15	45	30	31	<2	69	0.0		0.0	0.00	5300.38
	1/10/2014	14:13	1/10/2014 14:13	42.5	30	30	<2	70	0.0		0.0	0.00	5300.38
	1/10/2014	16:10	1/10/2014 16:10	45	30	30	<2	70	0.0		0.0	0.00	5300.38
	1/10/2014	16:17	1/10/2014 16:17	45	33	32.5	4	70	8.2		28.7	3.29	5303.66
	1/10/2014	17:47	1/10/2014 17:47	45	33	33	3.5	67	7.2		693.6	79.35	5383.01
	1/10/2014	21:50	1/10/2014 21:50	44	33	33	4	66	8.2		1876.7	214.70	5597.71
	1/11/2014	8:50	1/11/2014 8:50	42	33	33	5	66	10.3		6119.6	700.08	6297.79
	1/11/2014	10:50	1/11/2014 10:50	38	33	33	5.8	73	11.9		1330.3	152.18	6449.97
	1/11/2014	11:30	1/11/2014 11:30	38	33	33	6	75	12.3		482.5	55.19	6505.16
	1/11/2014	11:32	1/11/2014 11:32								24.5	2.80	6507.97
	1/11/2014	11:46	1/11/2014 11:46			22							6507.97
SW-53 Event 8	1/13/2014	12:10	1/13/2014 12:10	48	26	26	<2	73	0.0				6507.97
	1/13/2014	12:11	1/13/2014 12:11	48	32	31.5	<2	73	0.0		0.0	0.00	6507.97
	1/13/2014	13:08	1/13/2014 13:08	45	30.5	30.5	<2	74	0.0		0.0	0.00	6507.97
	1/13/2014	13:09	1/13/2014 13:09	45	32.5	32	<2	74	0.0		0.0	0.00	6507.97
	1/13/2014	14:33	1/13/2014 14:33	42	32.5	32	<2	72	0.0		0.0	0.00	6507.97
	1/13/2014	14:36	1/13/2014 14:36	42	35	33.5	3	72	6.3		9.4	1.08	6509.05
	1/13/2014	15:52	1/13/2014 15:52	40	35	33.5	3.5	70	7.3		517.2	59.16	6568.21
	1/13/2014	16:38	1/13/2014 16:38	40	34.5	33.5	3.7	70	7.7		346.1	39.60	6607.80
	1/13/2014	17:09	1/13/2014 17:09	50	34.5	33.5	3.7	70	7.7		239.1	27.36	6635.16
	1/13/2014	21:49	1/13/2014 21:49	50	34	33	5	63	10.4		2541.9	290.80	6925.96
	1/14/2014	8:00	1/14/2014 8:00	50	32	32.5	6.5	62	13.3		7254.0	829.86	7755.81
	1/14/2014	8:02	1/14/2014 8:02			24					26.6	3.04	7758.86
SW-53 Event 9	1/15/2014	8:06	1/15/2014 8:06	55	32.5	33	5	48	10.4				7758.86
	1/15/2014	8:48	1/15/2014 8:48	52	32.5	33	4	56	8.3		393.0	44.96	7803.82
	1/15/2014	9:45	1/15/2014 9:45	45	33	35	3.8	64	7.8		459.6	52.57	7856.39
	1/15/2014	11:12	1/15/2014 11:12	42	33	35	4.5	69	9.2		743.4	85.05	7941.44

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/15/2014	11:58	1/15/2014 11:58	42	32	34	4.5	70	9.1		422.8	48.37	7989.80
	1/15/2014	14:00	1/15/2014 14:00	49	32	34	5	69	10.2		1177.2	134.68	8124.48
	1/15/2014	14:28	1/15/2014 14:28	48	32	34	5.5	70	11.2		298.6	34.16	8158.64
	1/15/2014	16:25	1/15/2014 16:25	50	32	34	5.9	68	12.0		1355.5	155.06	8313.70
	1/15/2014	16:26	1/15/2014 16:26			26					12.0	1.37	8315.08
SW-53 Event 10	1/17/2014	7:18	1/17/2014 7:18	57	31	33	<2	40	0.0				8315.08
	1/17/2014	8:00	1/17/2014 8:00	51	30	32.5	<2	44	0.0		0	0.00	8315.08
	1/17/2014	9:14	1/17/2014 9:14	47	30	32.5	<2	57	0.0		0	0.00	8315.08
	1/17/2014	10:25	1/17/2014 10:25	47	30	32.5	<2	62	0.0		0	0.00	8315.08
	1/17/2014	11:33	1/17/2014 11:33	45	30	32.5	2	68	4.0		135.3	15.48	8330.56
	1/17/2014	12:24	1/17/2014 12:24	45	30	32.5	2.5	70	5.0		228.1	26.09	8356.65
	1/17/2014	12:57	1/17/2014 12:57	45	30	32.5	2.5	70	5.0		163.8	18.74	8375.39
	1/17/2014	14:09	1/17/2014 14:09	45	30	32.5	3	70	6.0		393.2	44.98	8420.37
	1/17/2014	15:19	1/17/2014 15:19	47	30	32.5	3	70	6.0		417.0	47.71	8468.08
	1/17/2014	15:54	1/17/2014 15:54			22							8468.08
SW-53 Event 11	1/23/2014	7:39	1/23/2014 7:39	58	31.5	31.5	<2	33	0.0				8468.08
	1/23/2014	8:29	1/23/2014 8:29	52	31	30.5	<2	37	0.0		0.0	0.00	8468.08
	1/23/2014	9:12	1/23/2014 9:12	48	31	30.5	<2	45	0.0		0.0	0.00	8468.08
	1/23/2014	9:13	1/23/2014 9:13	48	33	33	<2	45	0.0		0.0	0.00	8468.08
	1/23/2014	9:59	1/23/2014 9:59	47	33	33	<2	48	0.0		0.0	0.00	8468.08
	1/23/2014	11:01	1/23/2014 11:01	42.5	33	33	<2	52	0.0		0.0	0.00	8468.08
	1/23/2014	11:02	1/23/2014 11:02	42.5	34	33.8	3	52	6.3		3.2	0.36	8468.44
	1/23/2014	11:52	1/23/2014 11:52	40	34	33.8	3	54	6.3		316.4	36.20	8504.64
	1/23/2014	12:38	1/23/2014 12:38	44	34	33.8	3	60	6.3		290.0	33.17	8537.81
	1/23/2014	14:12	1/23/2014 14:12	50	33.5	33.8	3.2	58	6.7		609.4	69.71	8607.52
	1/23/2014	15:44	1/23/2014 15:44	49	33.5	33.5	3.8	57	7.9		672.7	76.96	8684.48
	1/23/2014	16:19	1/23/2014 16:19	50	33.5	33.2	3.9	56	8.2		281.8	32.24	8716.72
	1/23/2014	16:20	1/23/2014 16:20								8.2	0.93	8717.65
SW-53 Event 12	2/11/2014	9:49	2/11/2014 9:49	53	33	33.5	<2	63	0.0				8717.65
	2/11/2014	10:20	2/11/2014 10:20	53	32.2	33	<2	66	0.0		0.0	0.00	8717.65
	2/11/2014	11:42	2/11/2014 11:42	53	31.5	33	<2	66	0.0		0.0	0.00	8717.65
	2/11/2014	12:39	2/11/2014 12:39	48	32	33	<2	66	0.0		0.0	0.00	8717.65
	2/11/2014	12:40	2/11/2014 12:40	48	33	34	2	66	4.1		2.1	0.24	8717.65
	2/11/2014	13:58	2/11/2014 13:58	46	33	34	2	64	4.1		321.7	36.81	8754.46
	2/11/2014	16:42	2/11/2014 16:42	46	33	34	3	56	6.2		850.5	97.30	8851.76
	2/11/2014	17:37	2/11/2014 17:37	57	33	34	3	54	6.3		343.7	39.32	8891.08
	2/11/2014	17:38	2/11/2014 17:38			26							8891.08
SW-53 Event 13	2/12/2014	8:04	2/12/2014 8:04	55	31	32	<2	49	0.0				8891.08
	2/12/2014	8:44	2/12/2014 8:44	47	30.5	31.5	<2	49	0.0		0.0	0.00	8891.08
	2/12/2014	8:45	2/12/2014 8:45	47	32	33	<2	49	0.0		0.0	0.00	8891.08
	2/12/2014	10:21	2/12/2014 10:21	47	32	33	<2	51	0.0		0.0	0.00	8891.08
	2/12/2014	10:22	2/12/2014 10:22	47	33.5	34	2.5	51	5.3		2.6	0.30	8891.38
	2/12/2014	11:50	2/12/2014 11:50	45	33.5	34	3.7	50	7.8		574.0	65.67	8957.05
	2/12/2014	13:56	2/12/2014 13:56	50	33.5	34	4	49	8.4		1021.7	116.88	9073.93
	2/12/2014	14:51	2/12/2014 14:51	50	33.5	34	4	49	8.4		463.6	53.03	9126.96
	2/12/2014	15:51	2/12/2014 15:51	50	33.5	34	4.2	47	8.9		518.9	59.36	9186.32
	2/12/2014	16:51	2/12/2014 16:51	50	33.5	34	4.2	47	8.9		532.1	60.87	9247.19
	2/12/2014	17:51	2/12/2014 17:51	50	33.5	34	4.3	48	9.1		538.1	61.56	9308.75
	2/13/2014	7:09	2/13/2014 7:09	49	33.5	34	6	45	12.7		8684.1	993.46	10302.22
	2/13/2014	7:57	2/13/2014 7:57	51	33.5	34	6	44	12.7		609.7	69.75	10371.96
	2/13/2014	9:03	2/13/2014 9:03	52	33.5	34	6	45	12.7		838.3	95.90	10467.86

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/13/2014	9:51	2/13/2014 9:51	51	33.5	34	6.1	45	12.9		614.4	70.29	10538.16
	2/13/2014	10:31	2/13/2014 10:31	51	33.5	34	6.1	46	12.9		516.0	59.03	10597.18
	2/13/2014	11:01	2/13/2014 11:01	51	33.5	34	6.2	46	13.1		390.0	44.61	10641.80
	2/13/2014	11:31	2/13/2014 11:31	51	33.5	34	6.2	47	13.1		392.9	44.95	10686.75
	2/13/2014	12:01	2/13/2014 12:01	51	33.5	34	6.2	50	13.1		392.1	44.86	10731.61
	2/13/2014	12:31	2/13/2014 12:31	51	33.5	34	6.3	53	13.2		394.1	45.08	10776.69
	2/13/2014	13:01	2/13/2014 13:01	51	33.5	34	6.3	55	13.2		396.2	45.33	10822.02
	2/13/2014	14:02	2/13/2014 14:02	52	33.5	34	6.5	56	13.6		817.2	93.49	10915.50
	2/13/2014	15:01	2/13/2014 15:01	51	33.5	34	6.8	58	14.2		820.0	93.81	11009.31
	2/13/2014	15:18	2/13/2014 15:18			23					241.4	27.61	11036.93
SW-53 Event 14	12/15/2014	7:50	12/15/2014 7:50		27	27	0	38	0.0				11036.93
	12/15/2014	8:06	12/15/2014 8:06		27	27	0	44	0.0		0.0	0.00	11036.93
	12/15/2014	9:23	12/15/2014 9:23		26	26	0	64	0.0		0.0	0.00	11036.93
	12/15/2014	9:24	12/15/2014 9:24		32	34	0	64	0.0		0.0	0.00	11036.93
	12/15/2014	11:08	12/15/2014 11:08		32	34	0	77	0.0		0.0	0.00	11036.93
	12/15/2014	13:57	12/15/2014 13:57		32	34	0	78	0.0		0.0	0.00	11036.93
	12/15/2014	15:49	12/15/2014 15:49		32	34	0	80	0.0		0.0	0.00	11036.93
	12/15/2014	16:40	12/15/2014 16:40		32	34	0	75	0.0		0.0	0.00	11036.93
	12/15/2014	16:41	12/15/2014 16:41			27					0.0	0.00	11036.93
SW-53 Event 15	1/26/2015	8:09	1/26/2015 8:09		29	31	0	59	0.0				11036.93
	1/26/2015	9:04	1/26/2015 9:04		29	30	0	64	0.0		0.0	0.00	11036.93
	1/26/2015	9:05	1/26/2015 9:05		36	37	0	64	0.0		0.0	0.00	11036.93
	1/26/2015	10:36	1/26/2015 10:36		38	37	0	70	0.0		0.0	0.00	11036.93
	1/26/2015	11:57	1/26/2015 11:57		36	38	0	70	0.0		0.0	0.00	11036.93
	1/26/2015	11:58	1/26/2015 11:58		34	36	0	70	0.0		0.0	0.00	11036.93
	1/26/2015	13:37	1/26/2015 13:37		34	36	0	68	0.0		0.0	0.00	11036.93
	1/26/2015	14:41	1/26/2015 14:41		34	36	0	66	0.0		0.0	0.00	11036.93
	1/26/2015	15:37	1/26/2015 15:37		34	36	0	64	0.0		0.0	0.00	11036.93
	1/26/2015	17:57	1/26/2015 17:57		33	35	0	57	0.0		0.0	0.00	11036.93
	1/27/2015	7:38	1/27/2015 7:38		33	35	0	44	0.0		0.0	0.00	11036.93
	1/27/2015	9:18	1/27/2015 9:18		33	34.5	0	60	0.0		0.0	0.00	11036.93
	1/27/2015	10:41	1/27/2015 10:41		32	34.5	0	67	0.0		0.0	0.00	11036.93
	1/27/2015	11:36	1/27/2015 11:36		33	35	0	69	0.0		0.0	0.00	11036.93
	1/27/2015	13:53	1/27/2015 13:53		33	34	<2	68	0.0		0.0	0.00	11036.93
	1/27/2015	14:51	1/27/2015 14:51		33	34	<2	68	0.0		0.0	0.00	11036.93
	1/27/2015	15:50	1/27/2015 15:50		33	34.5	<2	63	0.0		0.0	0.00	11036.93
	1/27/2015	17:12	1/27/2015 17:12		32	34	<2	62	0.0		0.0	0.00	11036.93
	1/27/2015	17:13	1/27/2015 17:13		34	36	4	62	8.4		4.2	0.48	11037.41
	1/28/2015	8:07	1/28/2015 8:07		35	36	6	51	12.8		9466.4	1082.95	12120.36
	1/28/2015	9:30	1/28/2015 9:30		35	36	6	60	12.7		1058.8	121.13	12241.49
	1/28/2015	10:29	1/28/2015 10:29		35	36	6	61	12.7		748.9	85.67	12327.16
	1/28/2015	12:52	1/28/2015 12:52		35	36	6	68	12.6		1807.9	206.82	12533.98
	1/28/2015	15:03	1/28/2015 15:03		35	36	6	74	12.5		1645.6	188.25	12722.23
	1/28/2015	17:03	1/28/2015 17:03		34	34.5	5	64	10.4		1377.4	157.58	12879.81
	1/29/2015	7:48	1/29/2015 7:48		33	34	6	48	12.6		10186.7	1165.36	14045.17
	1/29/2015	8:28	1/29/2015 8:28		33	34	6	59	12.4		500.8	57.29	14102.45
	1/29/2015	9:34	1/29/2015 9:34		34	34.5	6	58	12.6		826.4	94.54	14196.99
	1/29/2015	10:35	1/29/2015 10:35		34	34.5	6	73	12.4		762.6	87.24	14284.23
	1/29/2015	11:35	1/29/2015 11:35		34	34.5	6	75	12.4		743.8	85.09	14369.32
	1/29/2015	12:41	1/29/2015 12:41		34	34.5	7	74	14.5		885.9	101.35	14470.67
	1/29/2015	14:32	1/29/2015 14:32		34	34.5	8	72	16.6		1721.8	196.97	14667.64

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/29/2015	15:42	1/29/2015 15:42		34	35	8	72	16.6		1159.2	132.62	14800.25
	1/29/2015	16:44	1/29/2015 16:44		34	35	7	70	14.5		963.5	110.22	14910.47
	1/29/2015	16:45	1/29/2015 16:45			30.5					14.5	1.66	14912.13
SW-53 Event 16	11-Feb	7:38	2/11/2015 7:38		30	29.5	0	42	0.0				14912.13
	11-Feb	8:09	2/11/2015 8:09		29	30	0	50	0.0		0.0	0.00	14912.13
	11-Feb	8:10	2/11/2015 8:10		34	34.5	0	50	0.0		0.0	0.00	14912.13
	11-Feb	9:29	2/11/2015 9:29		34	35	0	66	0.0		0.0	0.00	14912.13
	11-Feb	11:43	2/11/2015 11:43		34	35	0	76	0.0		0.0	0.00	14912.13
	11-Feb	13:05	2/11/2015 13:05		34	35	0	76	0.0		0.0	0.00	14912.13
	11-Feb	13:43	2/11/2015 13:43		34	35	0	78	0.0		0.0	0.00	14912.13
	11-Feb	14:58	2/11/2015 14:58		34	35	0	80	0.0		0.0	0.00	14912.13
	11-Feb	16:18	2/11/2015 16:18		34	34.5	0	78	0.0		0.0	0.00	14912.13
	11-Feb	17:19	2/11/2015 17:19		32	34.5	0	74	0.0		0.0	0.00	14912.13
	11-Feb	17:20	2/11/2015 17:20			30					0.0	0.00	14912.13
SW-53 Event 17	24-Feb	12:46	2/24/2015 12:46		30	30.5	0	52	0.0				14912.13
	24-Feb	12:59	2/24/2015 12:59		35	35.5	0	52	0.0		0.0	0.00	14912.13
	24-Feb	14:42	2/24/2015 14:42		35	35.5	0	53	0.0		0.0	0.00	14912.13
	24-Feb	15:55	2/24/2015 15:55		35	35.5	0	56	0.0		0.0	0.00	14912.13
	24-Feb	17:08	2/24/2015 17:08		35	35.5	0	56	0.0		0.0	0.00	14912.13
	25-Feb	7:45	2/25/2015 7:45		34	33.5	5	52	10.6		4630.0	529.67	15441.80
	25-Feb	7:46	2/25/2015 7:46		36	36	7.5	52	16.2		13.4	1.53	15443.33
	25-Feb	8:25	2/25/2015 8:25		37	37	7	56	15.2		611.2	69.92	15513.25
	25-Feb	8:26	2/25/2015 8:26		36	36	6	56	12.9		14.0	1.60	15514.86
	25-Feb	10:06	2/25/2015 10:06		36	36	6	59	12.8		1286.1	147.13	15661.98
	25-Feb	11:19:00	2/25/2015 11:19		36	36	6	62	12.8		936.0	107.08	15769.06
	25-Feb	13:17	2/25/2015 13:17		36	36	6	58	12.9		1513.8	173.17	15942.24
	25-Feb	14:36	2/25/2015 14:36		36	36	6	52	12.9		1018.6	116.53	16058.76
	25-Feb	15:36	2/25/2015 15:36		36	36	6	50	13.0		776.8	88.86	16147.62
	25-Feb	16:59	2/25/2015 16:59		36	36	6	50	13.0		1075.6	123.05	16270.67
	26-Feb	7:50	2/26/2015 7:50		36	35	8.5	50	18.4		13952.2	1596.13	17866.81
	26-Feb	8:26	2/26/2015 8:26		36	35	8.5	52	18.3		660.2	75.53	17942.34
	26-Feb	9:28	2/26/2015 9:28		36	35	8	56	17.2		1100.3	125.88	18068.22
	26-Feb	10:34	2/26/2015 10:34		36	35	8	60	17.1		1131.2	129.41	18197.62
	26-Feb	11:48	2/26/2015 11:48		36	35	8	68	17.0		1260.7	144.23	18341.85
	26-Feb	12:40	2/26/2015 12:40		36	35	8	68	17.0		882.4	100.95	18442.80
	26-Feb	12:41	2/26/2015 12:41			28					17.0	1.94	18444.74
SW-53 Event 18	4-Mar	12:09	3/4/2015 12:09		32	31	4	87	8.0				18444.74
	4-Mar	12:18	3/4/2015 12:18		32	31	4	88	8.0		71.9	8.22	18452.96
	4-Mar	12:19	3/4/2015 12:19		36	35.5	7	88	14.6		11.3	1.29	18454.25
	4-Mar	13:46	3/4/2015 13:46		37	36	6	90	12.6		1180.9	135.10	18589.35
	4-Mar	15:11	3/4/2015 15:11		37	36	6	88	12.6		1070.6	122.48	18711.83
	4-Mar	17:03	3/4/2015 17:03		36	37	6	82	12.6		1409.1	161.20	18873.02
	5-Mar	7:42	3/5/2015 7:42		36	35	10	72	21.1		14803.6	1693.53	20566.56
	5-Mar	8:17	3/5/2015 8:17		36	35	10	72	21.1		739.5	84.60	20651.15
	5-Mar	10:14	3/5/2015 10:14		36	35	10	86	20.8		2455.4	280.90	20932.05
	5-Mar	11:30	3/5/2015 11:30		36	35	10	87	20.8		1583.5	181.15	21113.20
	5-Mar	12:40	3/5/2015 12:40		36	35	10	91	20.7		1455.0	166.45	21279.65
	5-Mar	14:22	3/5/2015 14:22		36	35	10	92	20.7		2115.2	241.97	21521.63
	5-Mar	14:23	3/5/2015 14:23			26					20.7	2.37	21524.00
SW-53 Event 19	3/19/2015	8:16	3/19/2015 8:16		31	30	4	66	8.1				21524.00
	3/19/2015	8:19	3/19/2015 8:19		33	33	4	66	8.2		24.5	2.80	21526.80

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/19/2015	9:28	3/19/2015 9:28		30	32	4	68	8.0		558.9	63.94	21590.74
	3/19/2015	10:40	3/19/2015 10:40		30	32	4	70	7.9		572.5	65.49	21656.23
	3/19/2015	11:47	3/19/2015 11:47		30	32	4	70	7.9		532.2	60.88	21717.11
	3/19/2015	13:26	3/19/2015 13:26		30	32	4	74	7.9		784.9	89.79	21806.90
	3/19/2015	14:18	3/19/2015 14:18		30	32	4	74	7.9		411.4	47.07	21853.97
	3/19/2015	15:27	3/19/2015 15:27		31	31.5	4	74	8.0		549.0	62.81	21916.78
	3/19/2015	16:45	3/19/2015 16:45		31	31.5	4	73	8.0		624.4	71.44	21988.22
	3/19/2015	17:24	3/19/2015 17:24		31	31.5	4	71	8.0		312.7	35.77	22023.99
	3/19/2015	17:26	3/19/2015 17:26		33	33.5	5.5	71	11.3		19.3	2.21	22026.19
	3/20/2015	7:45	3/20/2015 7:45		34	32.5	7	68	14.5		11091.5	1268.87	23295.06
	3/20/2015	8:28	3/20/2015 8:28		34	32.5	7	69	14.5		625.2	71.53	23366.59
	3/20/2015	9:15	3/20/2015 9:15		34	32.5	7	69	14.5		683.1	78.14	23444.73
	3/20/2015	9:16	3/20/2015 9:16		36	34	10	69	21.2		17.9	2.04	23446.77
	3/20/2015	10:20	3/20/2015 10:20		36	34	8	71	16.9		1219.5	139.51	23586.29
	3/20/2015	10:58	3/20/2015 10:58		36	34	9	72	19.0		682.8	78.11	23664.39
	3/20/2015	10:59	3/20/2015 10:59			27					19.0	2.18	23666.57
SW-53 Event 20	3/26/2015	10:50	3/26/2015 10:50		32	31	3	82	6.0				23666.57
	3/26/2015	11:01	3/26/2015 11:01		32	31	3	84	6.0		66.2	7.57	23674.14
	3/26/2015	11:03	3/26/2015 11:03		36	35	4.5	84	9.4		15.4	1.76	23675.90
	3/26/2015	11:50	3/26/2015 11:50		36	35	4.5	86	9.4		441.3	50.48	23726.38
	3/26/2015	12:50	3/26/2015 12:50		36	35	4.5	84	9.4		563.3	64.45	23790.83
	3/26/2015	14:37	3/26/2015 14:37		37	35.5	4	73	8.5		959.0	109.71	23900.54
	3/26/2015	15:47	3/26/2015 15:47		36	35	4	88	8.3		589.7	67.46	23968.01
	3/26/2015	16:44	3/26/2015 16:44		36	35	4	84	8.4		475.3	54.37	24022.38
	3/26/2015	17:59	3/26/2015 17:59		36	35	4	82	8.4		627.1	71.74	24094.12
	3/26/2015	18:12	3/26/2015 18:12		36	35	4	80	8.4		108.9	12.46	24106.58
	3/26/2015	18:13	3/26/2015 18:13			29					8.4	0.96	24107.54
Total CO ₂ Mass (lbs):												24107.54	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-54 Event 1	11/18/2013	14:24	11/18/2013 14:24	52.5	30		0	79	0.0				0.00
	11/18/2013	14:25	11/18/2013 14:25	55	32	32	<2	79	0.0		0.0	0.00	0.00
	11/18/2013	14:32	11/18/2013 14:32	55	30	30	4	80	7.9		27.5	3.15	3.15
	11/18/2013	14:38	11/18/2013 14:38		29.5	29	7	79.5	13.7		64.7	7.40	10.55
	11/18/2013	14:40	11/18/2013 14:40	55	29.5	29	8	78	15.7		29.4	3.36	13.91
	11/18/2013	14:52	11/18/2013 14:52	55	29.5	28.5	9	79	17.6		199.7	22.85	36.76
	11/18/2013	15:06	11/18/2013 15:06	55	29.5	28	9.5	78	18.6		253.6	29.01	65.77
	11/18/2013	15:54	11/18/2013 15:54	55	29.5	27	11	75	21.6		965.5	110.45	176.22
	11/18/2013	15:55	11/18/2013 15:55	55	31	28	12	75	24.0		22.8	2.61	178.83
	11/18/2013	17:13	11/18/2013 17:13	56	31	28	13.5	71	27.1		1991.6	227.84	406.67
	11/18/2013	17:15	11/18/2013 17:15								54.2	6.20	412.87
	11/18/2013	17:16	11/18/2013 17:16	22	22	15							412.87
SW-54 Event 2	12/3/2013	13:26	12/3/2013 13:26										412.87
	12/3/2013	13:27	12/3/2013 13:27	55	24	27	<2	77	0.0		0.0	0.00	412.87
	12/3/2013	13:28	12/3/2013 13:28		27	28	<2	77	0.0		0.0	0.00	412.87
	12/3/2013	13:36	12/3/2013 13:36	50	25	24	15	77	27.9		111.4	12.75	425.62
	12/3/2013	13:41	12/3/2013 13:41		27.5	25	17	77	32.6		151.1	17.28	442.90
	12/3/2013	14:02	12/3/2013 14:02	49	26	25.5	19	77	35.7		717.2	82.05	524.95
	12/3/2013	14:05	12/3/2013 14:05	48	25	25	20	78	37.1		109.3	12.50	537.45
	12/3/2013	14:26	12/3/2013 14:26	48	29	26.5	22	78	42.9		839.7	96.06	633.51
	12/3/2013	14:30	12/3/2013 14:30	47	29	25.5	22.5	76	43.9		173.5	19.85	653.36
	12/3/2013	14:31	12/3/2013 14:31										653.36
	SW-54 Event 3	12/4/2013	12:20	12/4/2013 12:20									
12/4/2013		12:21	12/4/2013 12:21	50	25	30	10	84	18.5		18.5	2.11	655.47
12/4/2013		12:23	12/4/2013 12:23	50	25	30	13	84	24.0		42.4	4.85	660.33
12/4/2013		12:24	12/4/2013 12:24	50	25	25	15	84	27.7		25.8	2.96	663.28
12/4/2013		12:45	12/4/2013 12:45	55	25	23	18	84	33.2		639.3	73.14	736.42
12/4/2013		12:46	12/4/2013 12:46	55	25	25.5	20.5	84	37.8		35.5	4.06	740.48
12/4/2013		13:16	12/4/2013 13:16	54	25	23	22	84	40.6		1176.2	134.56	875.04
12/4/2013		13:20	12/4/2013 13:20	54	25	23	22.5	84	41.5		164.2	18.79	893.83
12/4/2013		13:21	12/4/2013 13:21								41.5	4.75	898.58
12/4/2013		13:22	12/4/2013 13:22			15							898.58
SW-54 Event 4		12/5/2013	14:15	12/5/2013 14:15									
	12/5/2013	14:16	12/5/2013 14:16	50	28	27	<2	85	0.0		0.0	0.00	898.58
	12/5/2013	14:21	12/5/2013 14:21	52.5	27	26	2	85	3.8		9.4	1.08	899.66
	12/5/2013	14:22	12/5/2013 14:22	52.5	28	27	5	85	9.6		6.7	0.76	900.42
	12/5/2013	14:24	12/5/2013 14:24	52.5	30	28.5	8	85	15.7		25.2	2.89	903.31
	12/5/2013	14:38	12/5/2013 14:38	50	30	27.5	13	85	25.4		287.7	32.92	936.23
	12/5/2013	14:40	12/5/2013 14:40	50	31	28	14	85	27.7		53.2	6.08	942.31
	12/5/2013	14:42	12/5/2013 14:42	50	32	28.5	15	85	30.0		57.7	6.60	948.91
	12/5/2013	15:39	12/5/2013 15:39	48	31	26	20	82	39.7		1987.1	227.32	1176.23
	12/5/2013	15:40	12/5/2013 15:40	48	31	26	20	82	39.7		39.7	4.54	1180.78
	12/5/2013	15:41	12/5/2013 15:41			17.5							1180.78
SW-54 Event 5	12/6/2013	12:47	12/6/2013 12:47	45	26	30.5	8.5	84	15.9				1180.78
	12/6/2013	12:48	12/6/2013 12:48	45	26	25	15.5	84	29.0		22.4	2.57	1183.34
	12/6/2013	12:49	12/6/2013 12:49	45	26	25.2	17	84	31.8		30.4	3.47	1186.81
	12/6/2013	12:50	12/6/2013 12:50	45	26	28	19	84	35.5		33.6	3.85	1190.66
	12/6/2013	13:08	12/6/2013 13:08	45	26.5	23	21	82	39.6		675.5	77.28	1267.94
	12/6/2013	13:10	12/6/2013 13:10	45	27	25	24	82	45.5		85.0	9.73	1277.67
	12/6/2013	13:20	12/6/2013 13:20	45	38	25	24	84	51.1		483.0	55.26	1332.92
	12/6/2013	14:00	12/6/2013 14:00	45	38	24	25.5	83	54.4		2109.6	241.34	1574.26

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/6/2013	14:02	12/6/2013 14:02			18					108.7	12.44	1586.70
SW-54 Event 6	12/9/2013	15:13	12/9/2013 15:13	50	33	32	<2	80	0.0				1586.70
	12/9/2013	15:31	12/9/2013 15:31	47	32	29	7.5	80	15.1		135.7	15.53	1602.23
	12/9/2013	15:50	12/9/2013 15:50	45	30	27	10	80	19.7		330.1	37.76	1639.99
	12/9/2013	16:19	12/9/2013 16:19	45	32	27	12	75	24.2		636.8	72.84	1712.84
	12/9/2013	16:22	12/9/2013 16:22								72.7	8.32	1721.16
	12/9/2013	16:23	12/9/2013 16:23			20							1721.16
SW-54 Event 7	12/10/2013	16:25	12/10/2013 16:25	50	30	32	<2	73	0.0				1721.16
	12/10/2013	16:28	12/10/2013 16:28	50	30	30	5.5	73	10.9		16.3	1.87	1723.03
	12/10/2013	16:42	12/10/2013 16:42	50	30	28	5.5	70	10.9		152.7	17.47	1740.50
	12/10/2013	16:55	12/10/2013 16:55	50	30	28	9	68	17.9		187.4	21.44	1761.93
	12/10/2013	17:23	12/10/2013 17:23	50	30	26.5	12.5	63	25.0		600.6	68.71	1830.64
	12/10/2013	17:27	12/10/2013 17:27		30	26.5	12.5	63	25.0		100.0	11.44	1842.08
	12/10/2013	17:28	12/10/2013 17:28			26					25.0	2.86	1844.94
SW-54 Event 8	12/11/2013	13:15	12/11/2013 13:15	48	30	32	8	67	15.9				1844.94
	12/11/2013	13:16	12/11/2013 13:16	48	28	27	11	67	21.4		18.7	2.14	1847.08
	12/11/2013	13:36	12/11/2013 13:36	48	28	26	14.3	66	27.9		492.6	56.35	1903.43
	12/11/2013	13:38	12/11/2013 13:38	48	28	27.5	17	66	33.1		61.0	6.97	1910.41
	12/11/2013	14:40	12/11/2013 14:40	48	27.5	25.5	18	65	34.9		2108.0	241.16	2151.56
	12/11/2013	14:43	12/11/2013 14:43								104.7	11.97	2163.54
SW-54 Event 9	12/12/2013	14:11	12/12/2013 14:11	50	28	26	14	70	27.2				2163.54
	12/12/2013	14:17	12/12/2013 14:17	45	28	24	16.5	70	32.0		177.5	20.31	2183.85
	12/12/2013	14:18	12/12/2013 14:18	45	28	25	20	70	38.8		35.4	4.05	2187.90
	12/12/2013	14:56	12/12/2013 14:56	47	28	24	22	70	42.7		1548.3	177.13	2365.02
	12/12/2013	14:57	12/12/2013 14:57	45	30	25	24.5	70	48.7		45.7	5.22	2370.25
	12/12/2013	15:17	12/12/2013 15:17	45	30	24	25.5	69	50.7		993.4	113.65	2483.89
	12/12/2013	15:18	12/12/2013 15:18								50.7	5.80	2489.69
	12/12/2013	15:19	12/12/2013 15:19			20							2489.69
SW-54 Event 10	12/16/2013	10:32	12/16/2013 10:32	42.5	30	30	<2	64	0.0				2489.69
	12/16/2013	10:55	12/16/2013 10:55	42	25	26	<2	66	0.0		0.0	0.00	2489.69
	12/16/2013	10:56	12/16/2013 10:56	40	25	29	3	66	5.6		2.8	0.32	2490.02
	12/16/2013	11:27	12/16/2013 11:27	40	25	29	4	67	7.5		203.6	23.29	2513.30
	12/16/2013	11:32	12/16/2013 11:32								37.5	4.29	2517.59
	12/16/2013	11:33	12/16/2013 11:33			22							2517.59
SW-54 Event 11	12/19/2013	9:16	12/19/2013 9:16	42	29	31	11.5	66	22.7				2517.59
	12/19/2013	9:17	12/19/2013 9:17	42	28	26	12	66	23.4		23.0	2.63	2520.23
	12/19/2013	9:51	12/19/2013 9:51	40	26	24	17	68	32.3		945.7	108.19	2628.42
	12/19/2013	11:06	12/19/2013 11:06	40	26	24	17	73	32.1		2413.3	276.08	2904.49
	12/19/2013	15:00	12/19/2013 15:00	41	26	24	17	78	31.9		7493.1	857.22	3761.71
	12/19/2013	16:15	12/19/2013 16:15	41	26	24	17	74	32.1		2400.5	274.62	4036.33
	12/19/2013	16:50	12/19/2013 16:50	49	27	23.5	16	69	30.7		1098.5	125.67	4161.99
	12/19/2013	16:53	12/19/2013 16:53	49	28	25	20.5	69	39.8		105.8	12.10	4174.09
	12/19/2013	22:10	12/19/2013 22:10	50	28	25	22	55	43.3		13177.3	1507.48	5681.58
	12/20/2013	8:19	12/20/2013 8:19	41	28	24	23.5	62	46.0		27185.4	3110.01	8791.58
	12/20/2013	8:22	12/20/2013 8:22	40	35	27.5	31	62	65.5		167.2	19.12	8810.71
	12/20/2013	10:26	12/20/2013 10:26	39	34	27	30	76	61.9		7895.2	903.21	9713.92
	12/20/2013	12:18	12/20/2013 12:18	45	38	30	33	80	70.6		7415.4	848.32	10562.23
	12/20/2013	12:19	12/20/2013 12:19								70.6	8.07	10570.30
	12/20/2013	12:20	12/20/2013 12:20										10570.30
SW-54 Event 12	1/21/2014	12:10	1/21/2014 12:10	41	29.5	29	<2	71	0.0				10570.30
	1/21/2014	12:14	1/21/2014 12:14	41	29	27.8	6	71	11.8		23.5	2.69	10573.00

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/21/2014	13:24	1/21/2014 13:24	50	26	25	13	74	24.5		1270.2	145.31	10718.30
	1/21/2014	13:27	1/21/2014 13:27	50	29	27	18	74	35.2		89.6	10.25	10728.55
	1/21/2014	14:37	1/21/2014 14:37	48	29	26	18.1	74	35.4		2470.8	282.66	11011.22
	1/21/2014	15:45	1/21/2014 15:45	53	29	26	18.2	68	35.8		2420.6	276.92	11288.14
	1/21/2014	16:40	1/21/2014 16:40	51	29	26	19.2	68	37.8		2023.1	231.44	11519.57
	1/21/2014	16:41	1/21/2014 16:41								37.8	4.32	11523.89
	1/21/2014	16:46	1/21/2014 16:46			20							11523.89
SW-54 Event 13	1/29/2014	7:45	1/29/2014 7:45	45	31	31.5	10	40	20.7				11523.89
	1/29/2014	7:50	1/29/2014 7:50	38	27.5	25	10	40	19.9		101.4	11.60	11535.50
	1/29/2014	7:58	1/29/2014 7:58			25					159.0	18.19	11553.69
	1/29/2014	8:00	1/29/2014 8:00	55	27	25	12	40	23.7		47.4	5.42	11559.11
	1/29/2014	9:30	1/29/2014 9:30	50	28	26	14.5	40	29.0		2371.6	271.31	11830.43
	1/29/2014	10:30	1/29/2014 10:30	49	26	25	16	40	31.2		1806.5	206.67	12037.10
	1/29/2014	11:40	1/29/2014 11:40	43	26	25	18.5	40	36.1		2356.4	269.57	12306.67
	1/29/2014	11:42	1/29/2014 11:42			20					72.2	8.26	12314.93
SW-54 Event 14	2/4/2014	10:16	2/4/2014 10:16	55	30	30.5	<2	62	0.0				12314.93
	2/4/2014	10:20	2/4/2014 10:20	55	28.9	30.5	3.5	62	6.9		13.8	1.58	12316.51
	2/4/2014	10:30	2/4/2014 10:30	53	27.8	28.5	7.7	63	15.0		109.6	12.54	12329.05
	2/4/2014	11:34	2/4/2014 11:34	52	26	26	13.3	65	25.3		1290.1	147.59	12476.64
	2/4/2014	11:35	2/4/2014 11:35	52	28	27.5	16.2	65	31.6		28.4	3.25	12479.89
	2/4/2014	12:35	2/4/2014 12:35	50	27.5	26.3	18	66	34.9		1993.2	228.02	12707.91
	2/4/2014	13:17	2/4/2014 13:17	48	27	25.5	19.2	67	36.9		1507.1	172.42	12880.33
	2/4/2014	13:19	2/4/2014 13:19	48	28.5	26.8	21.8	67	42.7		79.6	9.10	12889.43
	2/4/2014	14:43	2/4/2014 14:43	48	28.5	26.8	21.8	64	42.8		3589.8	410.67	13300.11
	2/4/2014	14:44	2/4/2014 14:44			21					42.8	4.90	13305.00
SW-54 Event 15	2/6/2014	7:49	2/6/2014 7:49	52	25.5	26.5	<2	47	0.0				13305.00
	2/6/2014	7:51	2/6/2014 7:51	51	28	28	7.8	47	15.5		15.5	1.77	13306.78
	2/6/2014	8:35	2/6/2014 8:35	55	26	26	14	53	27.0		933.8	106.83	13413.60
	2/6/2014	8:37	2/6/2014 8:37	55	28.5	27.5	18	53	35.7		62.7	7.17	13420.77
	2/6/2014	9:09	2/6/2014 9:09	50	28	26.5	19	56	37.4		1169.7	133.81	13554.59
	2/6/2014	9:12	2/6/2014 9:12	50	29	27.5	20.8	56	41.4		118.2	13.52	13568.11
	2/6/2014	10:25	2/6/2014 10:25	47	28.2	26	21.9	60	43.0		3081.2	352.49	13920.60
	2/6/2014	10:28	2/6/2014 10:28	47	30	27	24.5	60	49.1		138.2	15.81	13936.41
	2/6/2014	11:05	2/6/2014 11:05	46	30	27	25	62	50.0		1834.7	209.89	14146.30
	2/6/2014	12:07	2/6/2014 12:07	45	30	26.5	25.5	66	50.8		3127.1	357.74	14504.04
	2/6/2014	14:04	2/6/2014 14:04	45	30	26.5	25.8	64	51.5		5988.9	685.13	15189.17
	2/6/2014	15:17	2/6/2014 15:17	44	30	26.5	25.7	61	51.5		3760.5	430.20	15619.36
	2/6/2014	16:32	2/6/2014 16:32	44	30	26.5	25.8	58	51.8		3875.1	443.31	16062.67
	2/6/2014	17:14	2/6/2014 17:14	44	30	26.5	25.8	57	51.9		2178.6	249.23	16311.90
	2/6/2014	17:15	2/6/2014 17:15										16311.90
SW-54 Event 16	2/10/2014	13:10	2/10/2014 13:10	45	28.5	27.5	7.9	79	15.3				16311.90
	2/10/2014	13:15	2/10/2014 13:15	45	30	27.5	11.7	79	23.0		95.8	10.96	16322.86
	2/10/2014	14:47	2/10/2014 14:47	45	29	25	15.8	79	30.7		2474.0	283.02	16605.88
	2/10/2014	14:49	2/10/2014 14:49	45	30	25.5	19	79	37.4		68.2	7.80	16613.68
	2/10/2014	16:36	2/10/2014 16:36	45	30.5	25.5	18.7	74	37.2		3991.3	456.60	17070.29
	2/10/2014	17:26	2/10/2014 17:26	45	30.5	25.5	19	70	37.9		1878.6	214.91	17285.20
	2/10/2014	17:27	2/10/2014 17:27			20					37.9	4.34	17289.54
SW-54 Event 17	12/9/2014	7:40	12/9/2014 7:40		28	28	0	48	0.0				17289.54
	12/9/2014	7:55	12/9/2014 7:55		27	26	7	48	13.7		102.9	11.77	17301.31
	12/9/2014	9:34	12/9/2014 9:34		26	23	12	54	23.1		1821.7	208.40	17509.71
	12/9/2014	9:35	12/9/2014 9:35		30	26.5	18	54	36.3		29.7	3.40	17513.11

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/9/2014	10:27	12/9/2014 10:27		30	26	18.5	63	37.0		1906.0	218.05	17731.16
	12/9/2014	10:28	12/9/2014 10:28		37	29.5	25	63	53.8		45.4	5.19	17736.35
	12/9/2014	11:49	12/9/2014 11:49		36	29	24	68	50.9		4241.6	485.24	18221.59
	12/9/2014	12:48	12/9/2014 12:48		36	28	24	68	50.9		3003.5	343.60	18565.19
	12/9/2014	12:49	12/9/2014 12:49		40	31	28	68	61.7		56.3	6.44	18571.63
	12/9/2014	15:18	12/9/2014 15:18		40	29	30	68	66.1		9526.3	1089.81	19661.45
	12/9/2014	17:03	12/9/2014 17:03		40	28	30	62	66.5		6965.5	796.86	20458.30
	12/9/2014	17:04	12/9/2014 17:04			22					66.5	7.61	20465.92
SW-54 Event 18	3/31/2015	11:32	3/31/2015 11:32		29	30.5	0	86	0.0				20465.92
	3/31/2015	11:37	3/31/2015 11:37		27	25	12	87	22.6		56.6	6.47	20472.39
	3/31/2015	11:38	3/31/2015 11:38		37	30.5	22	87	46.3		34.5	3.94	20476.33
	3/31/2015	13:02	3/31/2015 13:02		37	30	24	88	50.4		4061.5	464.63	20940.96
	3/31/2015	13:56	3/31/2015 13:56		37	30	24.5	88	51.5		2751.6	314.78	21255.74
	3/31/2015	15:19	3/31/2015 15:19		36	29	26	88	54.1		4381.3	501.23	21756.97
	3/31/2015	16:29	3/31/2015 16:29		36	29	26	87	54.1		3788.4	433.39	22190.36
	3/31/2015	17:23	3/31/2015 17:23		36	28	26	87	54.1		2923.8	334.49	22524.85
	3/31/2015	17:24	3/31/2015 17:24			19.5					54.1	6.19	22531.04
SW-54 Event 19	4/6/2015	12:18	4/6/2015 12:18		28	28.5	0	83	0.0				22531.04
	4/6/2015	12:24	4/6/2015 12:24		28	26.5	4	83	7.7		23.0	2.63	22533.67
	4/6/2015	12:25	4/6/2015 12:25		34	31.5	9	83	18.4		13.0	1.49	22535.16
	4/6/2015	12:45	4/6/2015 12:45		34	30	13	86	26.6		449.8	51.46	22586.63
	4/6/2015	13:49	4/6/2015 13:49		34	27	18	87	36.7		2024.9	231.65	22818.28
	4/6/2015	13:52	4/6/2015 13:52		38	30	22	87	46.7		125.2	14.32	22832.60
	4/6/2015	15:07	4/6/2015 15:07		38	28.5	23	87	48.8		3583.9	410.00	23242.60
	4/6/2015	15:08	4/6/2015 15:08		42	30.5	26	87	57.3		53.1	6.07	23248.67
	4/6/2015	16:34	4/6/2015 16:34		42	30	28	87	61.7		5118.2	585.52	23834.19
	4/6/2015	17:47	4/6/2015 17:47		42	29	28	85	61.8		4509.7	515.91	24350.09
	4/6/2015	17:48	4/6/2015 17:48			22					61.8	7.07	24357.17
SW-54 Event 20	4/9/2015	12:18	4/9/2015 12:18		20	20	0	94	0.0				24357.17
	4/9/2015	12:19	4/9/2015 12:19		32	30	14	94	27.8		13.9	1.59	24358.76
	4/9/2015	13:29	4/9/2015 13:29		32	28.5	18	94	35.7		2222.6	254.26	24613.02
	4/9/2015	13:31	4/9/2015 13:31		36	31	21	94	43.4		79.2	9.06	24622.08
	4/9/2015	14:24	4/9/2015 14:24		36	29	25.5	93	52.8		2550.6	291.79	24913.87
	4/9/2015	15:45	4/9/2015 15:45		36	29	24.5	92	50.8		4195.2	479.93	25393.80
	4/9/2015	17:02	4/9/2015 17:02		36	29	24.5	90	50.9		3913.8	447.74	25841.54
	4/9/2015	17:31	4/9/2015 17:31		36	28.5	25	87	52.1		1492.6	170.76	26012.30
	4/9/2015	17:32	4/9/2015 17:32			20					52.1	5.96	26018.26
SW-54 Event 21	4/11/2015	12:15	4/11/2015 12:15		28	28	4	91	7.6				26018.26
	4/11/2015	12:21	4/11/2015 12:21		32	31	10	91	19.9		82.5	9.44	26027.70
	4/11/2015	13:16	4/11/2015 13:16		32	30.5	17	91	33.8		1477.6	169.04	26196.73
	4/11/2015	14:11	4/11/2015 14:11		32	29	18	92	35.8		1914.5	219.01	26415.75
	4/11/2015	14:12	4/11/2015 14:12		36	31.5	22.5	92	46.6		41.2	4.71	26420.46
	4/11/2015	15:07	4/11/2015 15:07		36	29	24.5	91	50.8		2680.3	306.62	26727.09
	4/11/2015	15:08	4/11/2015 15:08		40	31	28	91	60.4		55.6	6.36	26733.45
	4/11/2015	16:37	4/11/2015 16:37		40	32	28	87	60.6		5383.3	615.85	27349.30
	4/11/2015	16:38	4/11/2015 16:38			19					60.6	6.93	27356.23
SW-54 Event 22	4/13/2015	7:33	4/13/2015 7:33		28	30.5	4	74	7.7				27356.23
	4/13/2015	8:14	4/13/2015 8:14		29	28	10	74	19.6		559.4	63.99	27420.23
	4/13/2015	8:16	4/13/2015 8:16		34	32	15	74	31.0		50.5	5.78	27426.01
	4/13/2015	9:22	4/13/2015 9:22		34	28	22	76	45.4		2519.7	288.26	27714.26
	4/13/2015	9:25	4/13/2015 9:25		38	30	27	76	58.0		155.0	17.73	27731.99

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
OFF	4/13/2015	9:28	4/13/2015 9:28			19					173.9	19.89	27751.88
ON	4/13/2015	11:05	4/13/2015 11:05		38	31	24	80	51.3				27751.88
	4/13/2015	11:34	4/13/2015 11:34		38	28.5	28	82	59.8		1610.4	184.23	27936.12
	4/13/2015	11:35	4/13/2015 11:35		39	29	30	82	64.6		62.2	7.11	27943.23
	4/13/2015	12:24	4/13/2015 12:24		38	27.5	30	86	63.8		3146.0	359.90	28303.13
	4/13/2015	13:00	4/13/2015 13:00		38	28.5	30	88	63.7		2293.7	262.40	28565.53
	4/13/2015	14:05	4/13/2015 14:05		38	29	30	90	63.5		4133.6	472.88	29038.41
	4/13/2015	15:10	4/13/2015 15:10		38	28.5	30	90	63.5		4129.7	472.43	29510.85
	4/13/2015	16:11	4/13/2015 16:11		38	28	30	87	63.7		3881.0	443.99	29954.84
	4/13/2015	17:07	4/13/2015 17:07		38	28	30	84	63.9		3573.1	408.76	30363.60
	4/13/2015	17:08	4/13/2015 17:08			21					63.9	7.31	30370.91
Total CO ₂ Mass (lbs):												30370.91	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)	
SW-55 Event 1	11/19/2013	13:32	11/19/2013 13:32	50	23		0	74	0.0				0.00	
	11/19/2013	13:35	11/19/2013 13:35	55	25	25	<2	74	0.0		0.0	0.00	0.00	
	11/19/2013	13:50	11/19/2013 13:50		24	23.5	4	74	7.4		55.2	6.31	6.31	
	11/19/2013	13:52	11/19/2013 13:52	52	30	28	8.5	67	16.9		24.3	2.78	9.09	
	11/19/2013	17:52	11/19/2013 17:52		29	24	18	60	35.7		6313.9	722.31	731.40	
	11/19/2013	17:54	11/19/2013 17:54	52	35	27	21	60	44.4		80.1	9.17	740.56	
	11/19/2013	17:57	11/19/2013 17:57		34	27	21	60	44.0		132.7	15.18	755.74	
	11/19/2013	17:58	11/19/2013 17:58								44.0	5.03	760.77	
	11/19/2013	17:59	11/19/2013 17:59		18	17							760.77	
SW-55 Event 2	12/3/2013	13:30	12/3/2013 13:30				0		0.0				760.77	
	12/3/2013	13:31	12/3/2013 13:31	52	30	30	5.25	77	10.4		5.2	0.59	761.36	
	12/3/2013	13:37	12/3/2013 13:37	50	30	27	10	77	19.7		90.2	10.32	771.69	
	12/3/2013	13:42	12/3/2013 13:42	45	30	27	12	77	23.7		108.5	12.41	784.10	
	12/3/2013	14:42	12/3/2013 14:42	50	29	24.5	16	76	31.2		1646.9	188.41	972.51	
	12/3/2013	15:18	12/3/2013 15:18	49	28	24.5	16	74	30.9		1118.7	127.98	1100.49	
	12/3/2013	15:20	12/3/2013 15:20	49	30	24.25	19	74	37.6		68.5	7.84	1108.33	
	12/3/2013	16:52	12/3/2013 16:52	49	30	24	21	67	41.8		3652.8	417.88	1526.21	
	12/3/2013	17:29	12/3/2013 17:29	55	29	23.5	21.5	66	42.4		1557.7	178.20	1704.41	
	12/3/2013	17:30	12/3/2013 17:30								42.4	4.85	1709.25	
	12/3/2013	17:31	12/3/2013 17:31			18							1709.25	
	SW-55 Event 3	12/9/2013	13:12	12/9/2013 13:12	50	25	25	<2	84	0.0				1709.25
		12/9/2013	13:38	12/9/2013 13:38	50	25	25	5.5	84	10.1		131.9	15.09	1724.35
12/9/2013		14:07	12/9/2013 14:07	50	24	25	7	84	12.7		332.0	37.98	1762.33	
12/9/2013		14:34	12/9/2013 14:34	50	25	25	7.5	82.0	13.9		359.3	41.10	1803.43	
12/9/2013		14:47	12/9/2013 14:47	48	25	27	13	81.0	24.1		246.5	28.20	1831.63	
12/9/2013		15:08	12/9/2013 15:08	50	25	27	13	80	24.1		505.4	57.82	1889.44	
12/9/2013		15:56	12/9/2013 15:56	45	25	26	15	77	27.9		1246.5	142.60	2032.04	
12/9/2013		16:48	12/9/2013 16:48	45	25	26	16	74	29.8		1499.3	171.52	2203.56	
12/9/2013		17:14	12/9/2013 17:14	45	25	25	16	72.0	29.9		775.6	88.73	2292.30	
12/9/2013		17:15	12/9/2013 17:15								29.9	3.42	2295.71	
12/9/2013		17:16	12/9/2013 17:16			20							2295.71	
SW-55 Event 4		12/16/2013	8:14	12/16/2013 8:14	50	27	27.5	<2		0.0				2295.71
		12/16/2013	8:16	12/16/2013 8:16	52	27	27	6	48	11.8		11.8	1.35	2297.06
	12/16/2013	8:18	12/16/2013 8:18	50	26.5	25	7.5	48	14.6		26.4	3.02	2300.07	
	12/16/2013	8:20	12/16/2013 8:20	50	29.5	27	12.5	49	25.2		39.8	4.55	2304.63	
	12/16/2013	8:58	12/16/2013 8:58	45	29.5	25	16.5	50	33.2		1110.3	127.02	2431.65	
	12/16/2013	9:14	12/16/2013 9:14	44	28	25	17.5	52	34.6		542.4	62.05	2493.70	
	12/16/2013	9:53	12/16/2013 9:53	45	28	24	18	58	35.3		1363.2	155.95	2649.65	
	12/16/2013	9:54	12/16/2013 9:54								35.3	4.04	2653.69	
	12/16/2013	9:55	12/16/2013 9:55			19							2653.69	
	12/16/2013	10:31	12/16/2013 10:31	42	28	23	21	64	41.0		1475.5	168.79	2822.48	
	12/16/2013	10:56	12/16/2013 10:56	48	28	24	19.5	66	38.0		987.1	112.93	2935.41	
	12/16/2013	11:25	12/16/2013 11:25	40	28	24	20	67	38.9		1115.1	127.57	3062.98	
	12/16/2013	11:26	12/16/2013 11:26	40	30	24	23.5	67	46.8		42.9	4.90	3067.88	
	12/16/2013	12:33	12/16/2013 12:33		30	24	25	67	49.8		3235.9	370.19	3438.07	
	12/16/2013	12:34	12/16/2013 12:34								49.8	5.70	3443.77	
12/16/2013	12:35	12/16/2013 12:35			20							3443.77		
SW-55 Event 5	1/8/2014	7:53	1/8/2014 7:53						0.0				3443.77	
	1/8/2014	7:57	1/8/2014 7:57	35	27.5	28	10	38	19.9		0.0	0.00	3443.77	
	1/8/2014	8:09	1/8/2014 8:09	59	29	28	16	37	32.5		314.4	35.96	3479.73	
	1/8/2014	8:25	1/8/2014 8:25	51	28	26	16	38	32.1		516.3	59.06	3538.79	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/8/2014	9:05	1/8/2014 9:05	49	25	23.5	16.5	40	31.8		1277.1	146.10	3684.89
	1/8/2014	9:08	1/8/2014 9:08	48	27	24.5	20	40	39.5		107.0	12.24	3697.13
	1/8/2014	10:02	1/8/2014 10:02	46	26	23.5	20	48	38.7		2112.0	241.62	3938.75
	1/8/2014	10:44	1/8/2014 10:44	45	26	23.5	20.5	52	39.5		1642.8	187.93	4126.68
	1/8/2014	12:05	1/8/2014 12:05	43	26	23.5	20.5	60	39.2		3188.2	364.73	4491.41
	1/8/2014	12:07	1/8/2014 12:07	43	27	23.5	22.5	60	43.6		82.8	9.47	4500.88
	1/8/2014	13:07	1/8/2014 13:07	50	27.5	23	23	60	44.8		2650.8	303.25	4804.12
	1/8/2014	13:09	1/8/2014 13:09			18							4804.12
SW-55 Event 6	1/10/2014	8:48	1/10/2014 8:48		30	30	11	66	21.9				4804.12
	1/10/2014	8:49	1/10/2014 8:49	55	28	28	12	66	23.4		22.7	2.59	4806.72
	1/10/2014	9:47	1/10/2014 9:47	45	26	28	16	66	30.4		1559.9	178.46	4985.17
	1/10/2014	10:44	1/10/2014 10:44	45	26	23	18	70	34.1		1838.3	210.31	5195.48
	1/10/2014	10:46	1/10/2014 10:46	45	28	24	22	70	42.7		76.8	8.78	5204.26
	1/10/2014	12:30	1/10/2014 12:30	42	28	23	22	71	42.6		4437.2	507.61	5711.87
	1/10/2014	13:00	1/10/2014 13:00	40	28	23	22	70	42.7		1279.9	146.43	5858.30
	1/10/2014	13:01	1/10/2014 13:01								42.7	4.88	5863.18
	1/10/2014	13:03	1/10/2014 13:03			19							5863.18
SW-55 Event 7	1/14/2014	8:17	1/14/2014 8:17	46	27	29	6	63	11.6				5863.18
	1/14/2014	8:22	1/14/2014 8:22	45	27	28	9	63	17.4		72.4	8.28	5871.46
	1/14/2014	9:02	1/14/2014 9:02	47	25	25	12.2	63	23.0		806.8	92.30	5963.77
	1/14/2014	9:07	1/14/2014 9:07	47	27	27	16.2	63	31.3		135.6	15.51	5979.28
	1/14/2014	10:12	1/14/2014 10:12	44	27	25	18.5	64	35.7		2175.7	248.90	6228.18
	1/14/2014	11:24	1/14/2014 11:24	39	26	25	19.5	64	37.1		2621.5	299.90	6528.08
	1/14/2014	12:40	1/14/2014 12:40	44	26	25	19.5	66	37.1		2820.1	322.62	6850.70
	1/14/2014	12:41	1/14/2014 12:41			27							6850.70
SW-55 Event 8	1/16/2014	7:54	1/16/2014 7:54	55	27	27	7	42	13.8				6850.70
	1/16/2014	7:55	1/16/2014 7:55	55	29	28	13	42	26.2		20.0	2.29	6852.99
	1/16/2014	8:51	1/16/2014 8:51	48	27.5	25.5	18	50	35.4		1726.5	197.52	7050.51
	1/16/2014	8:56	1/16/2014 8:56	48	27.5	25.5	18.2	50	35.8		178.1	20.37	7070.88
	1/16/2014	10:10	1/16/2014 10:10	45	26.5	24.5	18.2	55	35.2		2627.1	300.54	7371.42
	1/16/2014	10:12	1/16/2014 10:12	45	28	25	22	55	43.3		78.5	8.98	7380.40
	1/16/2014	11:15	1/16/2014 11:15	42	28	25	22	56	43.3		2728.0	312.08	7692.48
	1/16/2014	12:00	1/16/2014 12:00	42	28	25	22.1	57	43.4		1951.0	223.20	7915.68
	1/16/2014	12:01	1/16/2014 12:01								43.4	4.97	7920.65
SW-55 Event 9	1/20/2014	7:43	1/20/2014 7:43	60	23.5	24	5	40	9.4				7920.65
	1/20/2014	7:44	1/20/2014 7:44	58	28	25.5	10.2	40	20.4		14.9	1.71	7922.36
	1/20/2014	7:45	1/20/2014 7:45	55	28	26.5	13	40	26.0		23.2	2.65	7925.01
	1/20/2014	8:21	1/20/2014 8:21	52	27	25	16.2	50	31.7		1038.1	118.76	8043.78
	1/20/2014	8:23	1/20/2014 8:23	52	29	26	20	50	40.1		71.7	8.21	8051.98
	1/20/2014	9:03	1/20/2014 9:03	48	29	25.5	21	56	41.8		1637.1	187.28	8239.26
	1/20/2014	10:13	1/20/2014 10:13	48	28	23.5	22	66	42.9		2962.9	338.95	8578.22
	1/20/2014	10:15	1/20/2014 10:15	48	29	24.2	24.2	66	47.7		90.5	10.36	8588.58
	1/20/2014	11:19	1/20/2014 11:19	43	29	24.5	24.5	67	48.2		3069.9	351.19	8939.77
	1/20/2014	12:30	1/20/2014 12:30	43	29	24	24.5	71	48.1		3418.3	391.05	9330.82
	1/20/2014	12:33	1/20/2014 12:33								144.2	16.49	9347.31
	1/20/2014	12:35	1/20/2014 12:35			20							9347.31
SW-55 Event 10	1/21/2014	7:52	1/21/2014 7:52	57	28	27.5	7	52	13.8				9347.31
	1/21/2014	8:38	1/21/2014 8:38	51	25	24	15.5	57	29.4		993.2	113.62	9460.93
	1/21/2014	8:40	1/21/2014 8:40	50	28	25	21	58	41.2		70.6	8.08	9469.01
	1/21/2014	9:36	1/21/2014 9:36	44	28	25	21.8	62	42.6		2348.1	268.62	9737.63
	1/21/2014	10:19	1/21/2014 10:19	30	28	24	22	67	42.8		1837.0	210.15	9947.79

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/21/2014	11:45	1/21/2014 11:45	37	27.5	23	22.3	70	43.0		3690.3	422.17	10369.96
	1/21/2014	12:01	1/21/2014 12:01	37	27.5	23	22.3	70	43.0		688.2	78.73	10448.68
	1/21/2014	12:02	1/21/2014 12:02			20							10448.68
SW-55 Event 11	12/8/2014	8:16	12/8/2014 8:16		18	18	0	55	0.0			0.00	10448.68
	12/8/2014	9:11	12/8/2014 9:11		18	18	<2	56	0.0		0.0	0.00	10448.68
	12/8/2014	10:53	12/8/2014 10:53		18	18	<2	60	0.0		0.0	0.00	10448.68
	12/8/2014	10:54	12/8/2014 10:54		24	23	9	60	16.8		8.4	0.96	10449.64
	12/8/2014	12:56	12/8/2014 12:56		24	22	10	64	18.6		2156.0	246.65	10696.29
	12/8/2014	12:57	12/8/2014 12:57		28	25	15	64	29.3		23.9	2.74	10699.03
	12/8/2014	13:42	12/8/2014 13:42		28	25	16	64	31.2		1361.3	155.73	10854.76
	12/8/2014	13:43	12/8/2014 13:43		31	27	18	64	36.4		33.8	3.87	10858.63
	12/8/2014	17:12	12/8/2014 17:12		31	26	20	60	40.6		8038.7	919.62	11778.25
	12/8/2014	17:13	12/8/2014 17:13			18					40.6	4.64	11782.89
SW-55 Event 12	12/15/2014	12:26	12/15/2014 12:26		21	21	0	76	0.0				11782.89
	12/15/2014	12:33	12/15/2014 12:33		26	26	4	78	7.5		26.3	3.01	11785.90
	12/15/2014	14:06	12/15/2014 14:06		27	25	10	78	19.0		1234.1	141.18	11927.08
	12/15/2014	14:07	12/15/2014 14:07		32	29	15	78	30.2		24.6	2.82	11929.90
	12/15/2014	15:46	12/15/2014 15:46		32	28.5	18	78	36.3		3291.1	376.50	12306.40
	12/15/2014	17:15	12/15/2014 17:15		31	28	19.5	67	39.3		3361.6	384.56	12690.96
	12/15/2014	17:16	12/15/2014 17:16			26					39.3	4.49	12695.45
SW-55 Event 13	1/9/2015	7:49	1/9/2015 7:49		28	28	0	45	0.0				12695.45
	1/9/2015	8:00	1/9/2015 8:00		32	29	13	45	27.1		148.9	17.03	12712.48
	1/9/2015	9:38	1/9/2015 9:38		32	27	16	52	33.1		2946.9	337.13	13049.61
	1/9/2015	9:40	1/9/2015 9:40		35	28.5	19	52	40.5		73.6	8.42	13058.03
	1/9/2015	10:10	1/9/2015 10:10		35	28.5	19	55	40.4		1214.4	138.92	13196.95
	1/9/2015	10:11	1/9/2015 10:11			20					40.4	4.62	13201.58
SW-55 Event 14	1/13/2015	12:14	1/13/2015 12:14		27	27	0	66	0.0				13201.58
	1/13/2015	12:20	1/13/2015 12:20		33	30	9	66	18.5		55.6	6.36	13207.94
	1/13/2015	14:18	1/13/2015 14:18		32	28	15	67	30.5		2896.3	331.34	13539.28
	1/13/2015	15:42	1/13/2015 15:42		32	27	16	67	32.6		2651.4	303.32	13842.60
	1/13/2015	17:11	1/13/2015 17:11		32	26	18	62	36.8		3089.2	353.40	14196.00
	1/13/2015	17:12	1/13/2015 17:12			20					36.8	4.21	14200.21
SW-55 Event 15	1/23/2015	7:56	1/23/2015 7:56		28	28	0	60	0.0				14200.21
	1/23/2015	8:03	1/23/2015 8:03		35	32	14	60	29.6		103.7	11.86	14212.08
	1/23/2015	9:10	1/23/2015 9:10		35	30	16	63	33.8		2123.7	242.95	14455.03
	1/23/2015	10:09	1/23/2015 10:09		35	29	16	63	33.8		1992.0	227.89	14682.91
	1/23/2015	11:13	1/23/2015 11:13		35	28.5	17	65	35.8		2226.1	254.66	14937.58
	1/23/2015	11:14	1/23/2015 11:14			19					35.8	4.10	14941.67
SW-55 Event 16	2/19/2015	7:42	2/19/2015 7:42		28	26	4	40	8.0				14941.67
	2/19/2015	8:37	2/19/2015 8:37		27	24	9	46	17.7		705.9	80.76	15022.43
	2/19/2015	8:37	2/19/2015 8:37		33	28	15	46	31.5		0.0	0.00	15022.43
	2/19/2015	10:39	2/19/2015 10:39		34	27	15.5	50	32.8		3924.4	448.96	15471.39
	2/19/2015	12:38	2/19/2015 12:38		34	27	16	54	33.7		3957.8	452.77	15924.16
	2/19/2015	12:39	2/19/2015 12:39			19					33.7	3.86	15928.02
SW-55 Event 17	3/13/2015	8:05	3/13/2015 8:05		24	26	4.5	64	8.4				15928.02
	3/13/2015	8:24	3/13/2015 8:24		25	25	8	64	15.0		222.3	25.43	15953.45
	3/13/2015	8:26	3/13/2015 8:26		31	30	15	64	30.3		45.3	5.19	15958.64
	3/13/2015	9:01	3/13/2015 9:01		32	29	16	64	32.7		1102.2	126.09	16084.73
	3/13/2015	11:12	3/13/2015 11:12		32	29	23	66	46.9		5211.3	596.18	16680.90
	3/13/2015	11:13	3/13/2015 11:13			20					46.9	5.36	16686.27
SW-55 Event 17	3/19/2015	8:10	3/19/2015 8:10		30	30	10	66	19.9				16686.27

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/19/2015	9:24	3/19/2015 9:24		29	27	15	68	29.5		1829.3	209.27	16895.54
	3/19/2015	9:25	3/19/2015 9:25		33	29	20	68	41.1		35.3	4.04	16899.58
	3/19/2015	10:43	3/19/2015 10:43		30	28	20	70	39.7		3152.9	360.70	17260.28
	3/19/2015	11:49	3/19/2015 11:49		32	28	21	70	42.6		2717.7	310.91	17571.18
	3/19/2015	11:52	3/19/2015 11:52			19					127.9	14.63	17585.82
SW-55 Event 18	3/25/2015	8:19	3/25/2015 8:19		30	33	8	68	15.9				17585.82
	3/25/2015	8:27	3/25/2015 8:27		30	29	12	68	23.9		159.2	18.21	17604.03
	3/25/2015	9:07	3/25/2015 9:07		30	27	14	68	27.9		1034.6	118.36	17722.39
	3/25/2015	9:08	3/25/2015 9:08		34	30.5	18	68	37.4		32.6	3.73	17726.12
	3/25/2015	10:07	3/25/2015 10:07		34	29.5	20	68	41.6		2329.6	266.51	17992.64
	3/25/2015	11:10	3/25/2015 11:10		34	29	23	74	47.5		2806.1	321.02	18313.65
	3/25/2015	11:11	3/25/2015 11:11			18					47.5	5.44	18319.09
SW-55 Event 19	3/30/2015	8:01	3/30/2015 8:01		20	20	0	56	0.0				18319.09
	3/30/2015	8:03	3/30/2015 8:03		27	27.5	5	56	9.7		9.7	1.11	18320.20
	3/30/2015	8:10	3/30/2015 8:10		27	27	9	58	17.5		95.1	10.88	18331.08
	3/30/2015	9:02	3/30/2015 9:02		26	26	12.5	64	23.8		1073.0	122.75	18453.83
	3/30/2015	9:07	3/30/2015 9:07		27.5	26.5	14.5	64	28.1		129.9	14.86	18468.69
	3/30/2015	10:20	3/30/2015 10:20		28	26	16	71	31.0		2158.8	246.97	18715.65
	3/30/2015	10:21	3/30/2015 10:21		32	29	19.5	71	39.6		35.3	4.04	18719.69
	3/30/2015	11:07	3/30/2015 11:07		32	28.5	20	77	40.3		1837.4	210.20	18929.89
	3/30/2015	11:59	3/30/2015 11:59		32	28	20.5	80	41.2		2120.5	242.58	19172.47
	3/30/2015	12:47	3/30/2015 12:47		32	27	21	83	42.1		1999.9	228.79	19401.26
	3/30/2015	12:49	3/30/2015 12:49								84.2	9.63	19410.89
SW-55 Event 20	4/7/2015	7:46	4/7/2015 7:46		28	28	3	66	5.8				19410.89
	4/7/2015	7:54	4/7/2015 7:54		28	25	7	66	13.6		77.9	8.91	19419.81
	4/7/2015	7:55	4/7/2015 7:55		33	30	12	66	24.7		19.2	2.19	19422.00
	4/7/2015	8:35	4/7/2015 8:35		32	28	14	74	28.3		1060.8	121.36	19543.36
	4/7/2015	8:36	4/7/2015 8:36		34	29	15	74	31.0		29.7	3.39	19546.75
	4/7/2015	10:29	4/7/2015 10:29		34	27	19.5	84	39.9		4005.4	458.22	20004.97
	4/7/2015	11:01	4/7/2015 11:01		34	27	20	90	40.7		1289.5	147.52	20152.49
	4/7/2015	11:02	4/7/2015 11:02			18					40.7	4.66	20157.15
SW-55 Event 21	4/10/2015	6:26	4/10/2015 6:26		30	30	4	72	7.9				20157.15
	4/10/2015	7:37	4/10/2015 7:37		28	25	12	72	23.2		1106.4	126.57	20283.72
	4/10/2015	7:39	4/10/2015 7:39		32	29	15.5	72	31.4		54.6	6.25	20289.97
	4/10/2015	8:36	4/10/2015 8:36		32	27	16	78	32.2		1813.9	207.51	20497.48
	4/10/2015	8:39	4/10/2015 8:39		36	29	21	78	44.1		114.5	13.10	20510.58
	4/10/2015	9:26	4/10/2015 9:26		36	29.5	20	82	41.8		2020.1	231.10	20741.68
	4/10/2015	9:35	4/10/2015 9:35		36	29	20	83	41.8		376.5	43.07	20784.74
	4/10/2015	9:36	4/10/2015 9:36			22					41.8	4.78	20789.53
SW-55 Event 22	4/19/2015	12:50	4/19/2015 12:50		28	30	0	90	0.0				20789.53
	4/19/2015	12:59	4/19/2015 12:59		27	27	8.5	90	16.0		71.9	8.23	20797.76
	4/19/2015	13:00	4/19/2015 13:00		31	31	14	90	27.6		21.8	2.49	20800.25
	4/19/2015	14:10	4/19/2015 14:10		32	30	18	90	35.9		2220.3	254.00	21054.25
	4/19/2015	15:07	4/19/2015 15:07		32	27	20	86	40.0		2161.5	247.28	21301.52
	4/19/2015	15:08	4/19/2015 15:08		35	30	23	86	47.5		43.7	5.00	21306.52
	4/19/2015	16:17	4/19/2015 16:17		35	29	23.5	85	48.5		3312.0	378.89	21685.42
	4/19/2015	18:05	4/19/2015 18:05		35	28	24.5	72	51.2		5388.2	616.41	22301.83
	4/19/2015	18:06	4/19/2015 18:06			18					51.2	5.86	22307.69
SW-55 Event 23	4/21/2015	7:33	4/21/2015 7:33		31	31	0	68	0.0				22307.69
	4/21/2015	7:42	4/21/2015 7:42		30	28	10	68	19.9		89.5	10.24	22317.93
	4/21/2015	7:43	4/21/2015 7:43		34	30	16	68	33.3		26.6	3.04	22320.97

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	4/21/2015	9:09	4/21/2015 9:09		34	27	19	78	39.1		3111.2	355.92	22676.90
	4/21/2015	9:10	4/21/2015 9:10		37	30	22	78	46.7		42.9	4.91	22681.80
	4/21/2015	10:28	4/21/2015 10:28		37	28.5	23	83	48.6		3714.0	424.89	23106.69
	4/21/2015	10:29	4/21/2015 10:29		40	31	25	83	54.3		51.4	5.88	23112.57
	4/21/2015	12:01	4/21/2015 12:01		40	29	26	86	56.3		5089.6	582.25	23694.82
	4/21/2015	12:02	4/21/2015 12:02			21					56.3	6.44	23701.26
SW-55 Event 24	4/23/2015	11:59	4/23/2015 11:59		30	30	5	96	9.7				23701.26
	4/23/2015	12:22	4/23/2015 12:22		27	26.5	11	96	20.6		348.0	39.81	23741.08
	4/23/2015	12:23	4/23/2015 12:23		31	30	16	96	31.3		26.0	2.97	23744.05
	4/23/2015	14:33	4/23/2015 14:33		32	28	20	98	39.5		4607.8	527.13	24271.17
	4/23/2015	14:34	4/23/2015 14:34		35	30	23	98	46.9		43.2	4.95	24276.12
	4/23/2015	17:11	4/23/2015 17:11		36	29	26	94	53.8		7906.5	904.50	25180.62
	4/23/2015	17:12	4/23/2015 17:12			18					53.8	6.15	25186.77
SW-55 Event 25	4/25/2015	7:42	4/25/2015 7:42		28	26	8.5	72	16.5				25186.77
	4/25/2015	7:49	4/25/2015 7:49		34	30	13	72	26.9		151.8	17.37	25204.14
	4/25/2015	8:58	4/25/2015 8:58		34	27.5	18	76	37.1		2208.9	252.70	25456.84
	4/25/2015	8:59	4/25/2015 8:59		40	31.5	24	76	52.5		44.8	5.13	25461.96
	4/25/2015	10:47	4/25/2015 10:47		40	29.5	25	77	54.6		5785.0	661.80	26123.77
	4/25/2015	14:05	4/25/2015 14:05		40	28	26.5	82	57.6		11114.0	1271.44	27395.21
	4/25/2015	15:29	4/25/2015 15:29		40	28	27.5	88	59.5		4917.9	562.61	27957.82
	4/25/2015	15:30	4/25/2015 15:30			18					59.5	6.80	27964.62
SW-55 Event 26	4/29/2015	8:24	4/29/2015 8:24		29	29	4	67	7.9				27964.62
	4/29/2015	9:21	4/29/2015 9:21		28	26	12	68	23.3		889.3	101.74	28066.36
	4/29/2015	9:22	4/29/2015 9:22		31	29	18	68	36.2		29.8	3.41	28069.76
	4/29/2015	9:54	4/29/2015 9:54		32	29	18	70	36.5		1164.3	133.19	28202.95
	4/29/2015	9:55	4/29/2015 9:55			19					36.5	4.18	28207.14
Total CO ₂ Mass (lbs):												28207.14	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-56 Event 1	11/21/2013	10:06	11/21/2013 10:06						0.0				
	11/21/2013	10:07	11/21/2013 10:07	55	30	29.5	<2	68	0.0		0.0	0.00	0.00
	11/21/2013	10:09	11/21/2013 10:09		32	31	<2	68	0.0		0.0	0.00	0.00
	11/21/2013	10:53	11/21/2013 10:53	50	31	29.5	6	69.3	12.1		265.3	30.35	30.35
	11/21/2013	10:55	11/21/2013 10:55	50	32.5	31.4	7	69.3	14.3		26.4	3.02	33.36
	11/21/2013	11:29	11/21/2013 11:29	49	32.5	31	9	70.5	18.4		555.3	63.53	96.89
	11/21/2013	13:10	11/21/2013 13:10	46	32.5	30.5	10.5	72	21.4		2007.7	229.68	326.57
	11/21/2013	13:12	11/21/2013 13:12		32.5	31.2	11.0	72	22.4		43.8	5.01	331.58
	11/21/2013	14:19	11/21/2013 14:19	55	32.5	31.2	11	74.0	22.4		1500.1	171.62	503.20
	11/21/2013	14:23	11/21/2013 14:23		32.5		11	74.0	22.4		89.5	10.24	513.43
	11/21/2013	14:24	11/21/2013 14:24			16							513.43
SW-56 Event 2	11/23/2013	7:52	11/23/2013 7:52	60	25			66	0.0				513.43
	11/23/2013	7:56	11/23/2013 7:56	60	30	28	<2	66	0.0		0.0	0.00	513.43
	11/23/2013	8:31	11/23/2013 8:31	59	28	25.5	7	72	13.6		237.2	27.14	540.57
	11/23/2013	8:33	11/23/2013 8:33	57	35	31	12.5	72	26.1		39.7	4.54	545.11
	11/23/2013	9:08	11/23/2013 9:08	54	34	30	14	76	28.9		962.7	110.14	655.25
	11/23/2013	9:42	11/23/2013 9:42	52	34	30	15	80	30.8		1014.6	116.06	771.31
	11/23/2013	9:45	11/23/2013 9:45	51	39	34	20	80	43.2		111.0	12.70	784.01
	11/23/2013	10:56	11/23/2013 10:56	49	39	32	21.5	86	46.1		3170.7	362.73	1146.74
	11/23/2013	12:20	11/23/2013 12:20	49	39	32	22	90	47.0		3913.6	447.72	1594.45
	11/23/2013	12:33	11/23/2013 12:33	49	39	32	22	90	47.0		611.5	69.95	1664.41
	11/23/2013	12:35	11/23/2013 12:35								94.1	10.76	1675.17
11/23/2013	12:36	11/23/2013 12:36										1675.17	
SW-56 Event 3	11/26/2013	7:28	11/26/2013 7:28	58	27			68	0.0				1675.17
	11/26/2013	7:30	11/26/2013 7:30		33	31.6	<2	68	0.0		0.0	0.00	1675.17
	11/26/2013	7:48	11/26/2013 7:48	58	31	30.4	<2	68	0.0		0.0	0.00	1675.17
	11/26/2013	7:49	11/26/2013 7:49		35	32.8	3	68	6.3		3.1	0.36	1675.53
	11/26/2013	8:27	11/26/2013 8:27		36	32.4	6	68	12.7		361.5	41.35	1716.89
	11/26/2013	9:18	11/26/2013 9:18	55	35	32	7	68	14.7		699.3	80.00	1796.89
	11/26/2013	10:52	11/26/2013 10:52		32	31.6	9	68	18.3		1551.4	177.48	1974.37
	11/26/2013	12:20	11/26/2013 12:20		32	31.6	9.5	70	19.3		1654.3	189.26	2163.62
	11/26/2013	12:21	11/26/2013 12:21								19.3	2.21	2165.83
	11/26/2013	12:24	11/26/2013 12:24			18							2165.83
	SW-56 Event 4	12/3/2013	8:43	12/3/2013 8:43	55	26			66	0.0			
12/3/2013		8:44	12/3/2013 8:44	55	28	29	<2	66	0.0		0.0	0.00	2165.83
12/3/2013		8:47	12/3/2013 8:47	54	31	29.5	<2	66	0.0		0.0	0.00	2165.83
12/3/2013		9:13	12/3/2013 9:13	50	30	30	4.5	66	9.0		116.6	13.34	2179.17
12/3/2013		9:14	12/3/2013 9:14	50	32	31	5	66	10.2		9.6	1.10	2180.27
12/3/2013		9:58	12/3/2013 9:58	50	32	30.5	6.5	66	13.2		515.7	59.00	2239.26
12/3/2013		11:23	12/3/2013 11:23	47.5	31	30	9	68	18.1		1332.8	152.47	2391.73
12/3/2013		11:25	12/3/2013 11:25	47.5	32	30.5	10	68	20.3		38.5	4.40	2396.13
12/3/2013		12:23	12/3/2013 12:23	46	34	30.5	10.5	73	21.7		1219.7	139.53	2535.66
12/3/2013		13:16	12/3/2013 13:16	54	34	30.5	10	82	20.5		1118.7	127.98	2663.65
12/3/2013		13:18	12/3/2013 13:18			19							2663.65
SW-56 Event 5	12/6/2013	13:00	12/6/2013 13:00	45	32	32	<2	88	0.0				2663.65
	12/6/2013	13:55	12/6/2013 13:55	44	32	32	<2	88	0.0		0	0.00	2663.65
	12/6/2013	14:20	12/6/2013 14:20	44	32	31.5	<2	83	0.0		0	0.00	2663.65
	12/6/2013	15:20	12/6/2013 15:20	42	32	31.5	<2	78	0.0		0	0.00	2663.65
	12/6/2013	17:46	12/6/2013 17:46	42	32	31.5	<2	69	0.0		0	0.00	2663.65
	12/9/2013	8:07	12/9/2013 8:07										2663.65
SW-56 Event 6	12/9/2013	8:07	12/9/2013 8:07										2663.65
	12/9/2013	8:08	12/9/2013 8:08	54	32.5	31	<2	61	0.0		0	0.00	2663.65

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/9/2013	8:28	12/9/2013 8:28	54	32.0	31	<2	62	0.0		0	0.00	2663.65
	12/9/2013	9:07	12/9/2013 9:07	50	32.5	31	<2	64	0.0		0	0.00	2663.65
	12/9/2013	9:30	12/9/2013 9:30	48	32.5	31	<2	67	0.0		0	0.00	2663.65
	12/9/2013	10:00	12/9/2013 10:00	47.5	32.5	31	<2	70	0.0		0	0.00	2663.65
	12/9/2013	10:57	12/9/2013 10:57	47.5	32.0	31	<2	74	0.0		0	0.00	2663.65
	12/9/2013	11:31	12/9/2013 11:31	47.5	32.0	31	<2	80	0.0		0	0.00	2663.65
	12/9/2013	12:21	12/9/2013 12:21	47.5	32.0	31	<2	83	0.0		0	0.00	2663.65
	12/9/2013	13:30	12/9/2013 13:30	47.5	32.0	31	<2	87	0.0		0	0.00	2663.65
	12/9/2013	22:03	12/9/2013 22:03	55	30	31	<2	68	0.0		0	0.00	2663.65
	12/10/2013	7:48	12/10/2013 7:48	50	30	31	5	70	9.9		2904.3	332.25	2995.89
	12/10/2013	7:51	12/10/2013 7:51								29.8	3.41	2999.30
SW-56 Event 7	12/11/2013	12:15	12/11/2013 12:15	45	34		<2	71	0.0				2999.30
	12/11/2013	15:30	12/11/2013 15:30	45	34		<2	64	0.0		0.0	0.00	2999.30
	12/11/2013	17:05	12/11/2013 17:05	50	35		2.5	60	5.3		251.3	28.75	3028.05
	12/11/2013	22:02	12/11/2013 22:02	55	35		5	58	10.6		2360.4	270.03	3298.09
	12/12/2013	8:16	12/12/2013 8:16	50	35		7.5	58	15.9		8138.4	931.04	4229.13
	12/12/2013	8:17	12/12/2013 8:17								15.9	1.82	4230.95
SW-56 Event 8	12/12/2013	12:55	12/12/2013 12:55	45	35	32	<2	70	0.0				4230.95
	12/12/2013	13:59	12/12/2013 13:59	47	33	32	<2	75	0.0		0.0	0.00	4230.95
	12/12/2013	14:27	12/12/2013 14:27	45	34	31	<2	72	0.0		0.0	0.00	4230.95
	12/12/2013	14:58	12/12/2013 14:58	45	34	31	<2	74	0.0		0.0	0.00	4230.95
	12/12/2013	15:06	12/12/2013 15:06	45	35	32	3.5	74	7.3		29.2	3.34	4234.29
	12/12/2013	15:51	12/12/2013 15:51	45	36	32	4	72	8.5		354.5	40.56	4274.85
	12/12/2013	16:56	12/12/2013 16:56	45	36	34	4.5	72	9.5		583.7	66.77	4341.62
	12/13/2013	11:50	12/13/2013 11:50	42	36	32	11.5	70	24.3		19194.4	2195.84	6537.46
	12/13/2013	14:44	12/13/2013 14:44	42	36	32	12	72	25.4		4323.8	494.64	7032.10
	12/13/2013	14:45	12/13/2013 14:45								25.4	2.90	7035.00
	12/13/2013	14:46	12/13/2013 14:46										7035.00
SW-56 Event 9	12/16/2013	12:20	12/16/2013 12:20	45	34	32	<2	68	0.0				7035.00
	12/16/2013	12:43	12/16/2013 12:43	47.5	34	31	<2	68	0.0		0.0	0.00	7035.00
	12/16/2013	13:18	12/16/2013 13:18		34		<2	70	0.0		0.0	0.00	7035.00
	12/16/2013	13:19	12/16/2013 13:19								0.0	0.00	7035.00
	12/16/2013	14:44	12/16/2013 14:44	45	33	32	<2	75	0.0		0.0	0.00	7035.00
	12/16/2013	15:50	12/16/2013 15:50	42	34	31.5	<2	69	0.0		0.0	0.00	7035.00
	12/16/2013	16:46	12/16/2013 16:46	40	34	31	3	64	6.3		175.3	20.05	7055.05
	12/16/2013	22:04	12/16/2013 22:04	50	34	30.5	6	42	12.8		3030.7	346.71	7401.76
	12/17/2013	7:45	12/17/2013 7:45	46	34	30	8	42	17.1		8677.3	992.68	8394.44
	12/17/2013	7:48	12/17/2013 7:48	46	34	31	10	42	21.3		57.6	6.59	8401.03
	12/17/2013	11:30	12/17/2013 11:30	46	34	31	10	73	20.7		4663.8	533.54	8934.57
SW-56 Event 10	1/6/2015	8:32	1/6/2015 8:32		26	25.5	0	54	0.0				8934.57
	1/6/2015	8:44	1/6/2015 8:44		26	25.5	0	57	0.0		0.0	0.00	8934.57
	1/6/2015	10:05	1/6/2015 10:05		26		0	57	0.0		0.0	0.00	8934.57
	1/6/2015	10:06	1/6/2015 10:06		32	31	0	57	0.0		0.0	0.00	8934.57
	1/6/2015	11:08	1/6/2015 11:08		32	31	0	70	0.0		0.0	0.00	8934.57
	1/6/2015	12:27	1/6/2015 12:27		32	31	0	75	0.0		0.0	0.00	8934.57
	1/6/2015	13:07	1/6/2015 13:07		32	31	0	75	0.0		0.0	0.00	8934.57
	1/6/2015	13:58	1/6/2015 13:58		32	31	0	75	0.0		0.0	0.00	8934.57
	1/6/2015	13:59	1/6/2015 13:59			24					0.0	0.00	8934.57
SW-56 Event 11	1/8/2015	12:59	1/8/2015 12:59		29	29	0	46	0.0				8934.57
	1/8/2015	13:07	1/8/2015 13:07		34	32	0	46	0.0		0.0	0.00	8934.57
	1/8/2015	15:10	1/8/2015 15:10		32	31.5	0	45	0.0		0.0	0.00	8934.57

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/8/2015	17:02	1/8/2015 17:02		32	31.5	0	46	0.0		0.0	0.00	8934.57
	1/8/2015	17:03	1/8/2015 17:03			22.5					0.0	0.00	8934.57
SW-56 Event 12	2/10/2015	7:49	2/10/2015 7:49		31	30	0	59	0.0				8934.57
	2/10/2015	8:40	2/10/2015 8:40		30	30	0	59	0.0		0.0	0.00	8934.57
	2/10/2015	8:42	2/10/2015 8:42		32	32	0	59	0.0		0.0	0.00	8934.57
	2/10/2015	10:44	2/10/2015 10:44		32	32	0	61	0.0		0.0	0.00	8934.57
	2/10/2015	12:07	2/10/2015 12:07		32	32	<2	66	0.0		0.0	0.00	8934.57
	2/10/2015	14:00	2/10/2015 14:00		32	32	<2	65	0.0		0.0	0.00	8934.57
	2/10/2015	15:57	2/10/2015 15:57		32	32	<2	65	0.0		0.0	0.00	8934.57
	2/10/2015	17:05	2/10/2015 17:05		31	30	4	64	8.1		274.7	31.43	8966.00
	2/11/2015	7:30	2/11/2015 7:30		31	29.5	8	45	16.5		10619.7	1214.89	10180.89
	2/11/2015	7:31	2/11/2015 7:31			24					16.5	1.88	10182.78
SW-56 Event 13	2/12/2015	7:39	2/12/2015 7:39		31	29	0	51	0.0				10182.78
	2/12/2015	8:14	2/12/2015 8:14		30	28.5	0	57	0.0		0.0	0.00	10182.78
	2/12/2015	8:16	2/12/2015 8:16		34	33	0	57	0.0		0.0	0.00	10182.78
	2/12/2015	9:35	2/12/2015 9:35		34	33	0	60	0.0		0.0	0.00	10182.78
	2/12/2015	11:42	2/12/2015 11:42		34	32.5	4	77	8.2		523.2	59.86	10242.64
	2/12/2015	14:11	2/12/2015 14:11		34	32.5	4.5	77	9.3		1304.5	149.24	10391.87
	2/12/2015	15:42	2/12/2015 15:42		34	32.5	5	78	10.3		890.0	101.82	10493.69
	2/12/2015	17:09	2/12/2015 17:09		34	31.5	5	74	10.3		897.0	102.62	10596.31
	2/13/2015	7:42	2/13/2015 7:42		34	31.5	8	41	17.1		11967.4	1369.07	11965.37
	2/13/2015	8:13	2/13/2015 8:13		34	31.5	8	49	16.9		527.5	60.35	12025.72
	2/13/2015	9:18	2/13/2015 9:18		34	31.5	8	56	16.8		1097.6	125.56	12151.28
	2/13/2015	10:42	2/13/2015 10:42		34	31.5	8	59	16.8		1411.2	161.44	12312.72
	2/13/2015	11:00	2/13/2015 11:00		34	31.5	8	60	16.8		301.8	34.53	12347.25
	2/13/2015	11:01	2/13/2015 11:01			19					16.8	1.92	12349.16
SW-56 Event 14	2/16/2015	12:22	2/16/2015 12:22		28	28	0	74	0.0				12349.16
	2/16/2015	13:06	2/16/2015 13:06		28	28	0	74	0.0		0.0	0.00	12349.16
	2/16/2015	13:07	2/16/2015 13:07		34	33	0	74	0.0		0.0	0.00	12349.16
	2/16/2015	14:12	2/16/2015 14:12		34	33	<2	72	0.0		0.0	0.00	12349.16
	2/16/2015	17:16	2/16/2015 17:16		34	32	4	69	8.3		764.0	87.40	12436.57
	2/17/2015	7:48	2/17/2015 7:48		33	32	7	65	14.4		9915.5	1134.34	13570.90
	2/17/2015	8:29	2/17/2015 8:29		33	32	7	65	14.4		591.9	67.72	13638.62
	2/17/2015	9:51	2/17/2015 9:51		33	32	7	62	14.5		1185.6	135.64	13774.26
	2/17/2015	12:27	2/17/2015 12:27		33	31	7.5	57	15.6		2345.7	268.35	14042.61
	2/17/2015	14:45	2/17/2015 14:45		33	31	8	58	16.6		2222.4	254.24	14296.84
	2/17/2015	14:45	2/17/2015 14:45		36	33	10.5	58	22.5		0.0	0.00	14296.84
	2/17/2015	17:27	2/17/2015 17:27		36	33	10.5	54	22.6		3651.6	417.74	14714.58
	2/18/2015	8:07	2/18/2015 8:07		36	33	12.5	48	27.1		21841.6	2498.68	17213.26
	2/18/2015	8:08	2/18/2015 8:08			19					27.1	3.09	17216.36
Total CO ₂ Mass (lbs):												17216.36	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-57 Event 1	11/19/2013	13:17	11/19/2013 13:17	57	26			80	0.0				
	11/19/2013	13:18	11/19/2013 13:18		30	30	<2	80.0	0.0		0.0	0.00	0.00
	11/19/2013	13:23	11/19/2013 13:23		28	28	4	80.0	7.7		19.2	2.20	2.20
	11/19/2013	13:24	11/19/2013 13:24		32	31.5	6	80.0	12.1		9.9	1.13	3.33
	11/19/2013	13:38	11/19/2013 13:38		32	29	12	80.0	24.1		253.4	28.99	32.31
	11/19/2013	13:39	11/19/2013 13:39	57	34	30	14	78.0	28.8		26.5	3.03	35.34
	11/19/2013	13:40	11/19/2013 13:40		35	31	15	78.0	31.2		30.0	3.43	38.77
	11/19/2013	15:19	11/19/2013 15:19	50	34	27.5	19.5	76	40.2		3534.3	404.33	443.10
	11/19/2013	15:22	11/19/2013 15:22	50	36	28	21	76.0	44.2		126.6	14.48	457.58
	11/19/2013	15:25	11/19/2013 15:25	50	40	30	22	75.0	48.2		138.5	15.85	473.43
	11/19/2013	17:28	11/19/2013 17:28	49	40	27	24	60	53.3		6242.6	714.16	1187.59
	11/19/2013	17:58	11/19/2013 17:58		40	27	25	68.0	55.1		1626.8	186.11	1373.70
	11/19/2013	17:59	11/19/2013 17:59								55.1	6.31	1380.00
	11/19/2013	18:01	11/19/2013 18:01			13.5							1380.00
SW-57 Event 2	12/4/2013	7:42	12/4/2013 7:42	60	29	29	<2	64	0.0				1380.00
	12/4/2013	7:51	12/4/2013 7:51	57	27.5	24	15	64	29.1		131.0	14.98	1394.98
	12/4/2013	7:54	12/4/2013 7:54	57	28	25	17	64	33.2		93.4	10.69	1405.67
	12/4/2013	8:13	12/4/2013 8:13	53	28	23.5	19.25	66	37.5		671.4	76.81	1482.48
	12/4/2013	8:14	12/4/2013 8:14	53	28	24	20	66	39.0		38.2	4.37	1486.85
	12/4/2013	9:01	12/4/2013 9:01	50	28	23	21	70	40.7		1873.0	214.27	1701.13
	12/4/2013	9:03	12/4/2013 9:03	50	28	24	22	70	42.7		83.4	9.54	1710.67
	12/4/2013	10:03	12/4/2013 10:03	48	28	23.5	22.5	75	43.4		2583.9	295.60	2006.27
	12/4/2013	10:04	12/4/2013 10:04	48	30	24	24	75	47.4		45.4	5.20	2011.47
	12/4/2013	11:07	12/4/2013 11:07	47.5	30	23.5	24	82	47.1		2978.0	340.69	2352.15
	12/4/2013	12:39	12/4/2013 12:39	55	30	23	24.25	88	47.3		4344.4	497.01	2849.16
	12/4/2013	12:40	12/4/2013 12:40								47.3	5.41	2854.57
	12/4/2013	12:41	12/4/2013 12:41			14							2854.57
SW-57 Event 3	12/10/2013	7:30	12/10/2013 7:30	56	29	30	14	70	27.5				2854.57
	12/10/2013	7:36	12/10/2013 7:36	53	28	24	20	70	38.8		198.9	22.75	2877.33
	12/10/2013	7:40	12/10/2013 7:40		28	22	21	70	40.7		159.1	18.20	2895.53
	12/10/2013	8:26	12/10/2013 8:26	51	27	20	22.5	72	43.1		1927.3	220.49	3116.01
	12/10/2013	9:03	12/10/2013 9:03	51	26	20	23	72	43.5		1600.6	183.11	3299.12
	12/10/2013	9:37	12/10/2013 9:37	50	26	20	23	72	43.5		1478.0	169.08	3468.20
	12/10/2013	10:09	12/10/2013 10:09	50	26	19.5	23	72	43.5		1391.0	159.13	3627.34
	12/10/2013	10:10	12/10/2013 10:10	50	30	23.5	25.5	72	50.5		47.0	5.38	3632.72
	12/10/2013	11:01	12/10/2013 11:01	47.5	30	22	25.5	74	50.4		2575.0	294.58	3927.30
	12/10/2013	11:08	12/10/2013 11:08	45	30	22.5	27.5	74	54.4		366.9	41.98	3969.28
	12/10/2013	11:47	12/10/2013 11:47	45	30	22.5	26.5	74	52.4		2083.0	238.29	4207.57
	12/10/2013	11:48	12/10/2013 11:48								52.4	6.00	4213.57
	12/10/2013	11:49	12/10/2013 11:49			15							4213.57
SW-57 Event 4	12/17/2013	7:55	12/17/2013 7:55	50	29	30	10	44	20.1				4213.57
	12/17/2013	7:56	12/17/2013 7:56	50	25	26	13	44	24.9		22.5	2.58	4216.15
	12/17/2013	7:57	12/17/2013 7:57	50	30	25	21.5	44	43.8		34.4	3.93	4220.08
	12/17/2013	8:39	12/17/2013 8:39	47	28	22	23	55	45.3		1871.4	214.09	4434.17
	12/17/2013	8:50	12/17/2013 8:50	47	29	23	24	55	47.8		512.1	58.59	4492.76
	12/17/2013	9:33	12/17/2013 9:33	45	30	22	24	60	48.1		2063.0	236.00	4728.76
	12/17/2013	10:38	12/17/2013 10:38	40	27	21	24	68	46.1		3062.5	350.35	5079.11
	12/17/2013	11:35	12/17/2013 11:35	39	28	20	24.5	72	47.4		2666.0	304.99	5384.11
	12/17/2013	11:55	12/17/2013 11:55								948.9	108.55	5492.66
	12/17/2013	11:56	12/17/2013 11:56			14							5492.66
SW-57 Event 5	1/11/2014	7:52	1/11/2014 7:52	46	28	32	7	66	13.6				5492.66

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/11/2014	7:53	1/11/2014 7:53	46	28	28	9	66	17.5		15.6	1.78	5494.44
	1/11/2014	7:55	1/11/2014 7:55	45	31.5	30	15	66	30.4		47.9	5.48	5499.92
	1/11/2014	8:39	1/11/2014 8:39	46	30	25	19	66	37.9		1502.3	171.87	5671.79
	1/11/2014	8:40	1/11/2014 8:40	46	31	27	20	66	40.3		39.1	4.47	5676.27
	1/11/2014	8:42	1/11/2014 8:42	46	32	27.5	20.2	66	41.2		81.5	9.32	5685.59
	1/11/2014	9:18	1/11/2014 9:18	45	31.5	27	21	69	42.4		1505.2	172.20	5857.79
	1/11/2014	9:19	1/11/2014 9:19	45	32	27	21.5	69	43.7		43.1	4.93	5862.71
	1/11/2014	10:29	1/11/2014 10:29	43	31	26	22	72	44.1		3072.7	351.52	6214.23
	1/11/2014	11:25	1/11/2014 11:25	41	30	25.5	22	74	43.5		2453.2	280.64	6494.88
	1/11/2014	12:05	1/11/2014 12:05	44	31	26	23	76	45.9		1788.8	204.64	6699.51
	1/11/2014	12:06	1/11/2014 12:06								45.9	5.25	6704.77
	1/11/2014	12:07	1/11/2014 12:07			17							6704.77
SW-57 Event 6	1/21/2014	9:47	1/21/2014 9:47	46	32.5	31.8	<2	66	0.0				6704.77
	1/21/2014	9:49	1/21/2014 9:49	43	30	28.5	6	66	12.0		12.0	1.37	6706.14
	1/21/2014	9:50	1/21/2014 9:50	43	31.5	30.5	9.8	66	19.9		15.9	1.82	6707.96
	1/21/2014	10:21	1/21/2014 10:21	42	30	29	13	68	25.9		708.9	81.09	6789.05
	1/21/2014	10:51	1/21/2014 10:51	40	29	27	14.8	70	29.1		823.8	94.24	6883.30
	1/21/2014	13:20	1/21/2014 13:20	52	28.5	26.5	16	75	31.1		4479.8	512.49	7395.79
	1/21/2014	14:29	1/21/2014 14:29	50	28.5	26	16.5	74	32.1		2178.9	249.26	7645.05
	1/21/2014	14:31	1/21/2014 14:31	49	31.5	28.2	20	74	40.2		72.3	8.27	7653.32
	1/21/2014	15:36	1/21/2014 15:36	49	31.5	28.2	20	68	40.5		2622.6	300.03	7953.35
	1/21/2014	15:37	1/21/2014 15:37								40.5	4.63	7957.98
	1/21/2014	15:40	1/21/2014 15:40			17							7957.98
SW-57 Event 7	1/22/2014	9:10	1/22/2014 9:10	55	31	31	<2	50	0.0				7957.98
	1/22/2014	9:33	1/22/2014 9:33	53	26	24	16	50	30.9		355.4	40.66	7998.64
	1/22/2014	9:36	1/22/2014 9:36	50	31	26.5	22	50	45.1		114.0	13.04	8011.68
	1/22/2014	10:08	1/22/2014 10:08	48	30.5	26	22.1	54	44.8		1438.6	164.58	8176.25
	1/22/2014	11:12	1/22/2014 11:12	16	29	24	23.2	56	46.2		2912.7	333.21	8509.47
	1/22/2014	12:17	1/22/2014 12:17	45	28.5	23.5	23.5	57	46.5		3010.8	344.43	8853.90
	1/22/2014	13:03	1/22/2014 13:03	46	28.5	23.5	24	60	47.3		2156.6	246.71	9100.61
	1/22/2014	14:28	1/22/2014 14:28	47	28.5	23.5	24	60	47.3		4020.9	459.99	9560.60
	1/22/2014	14:31	1/22/2014 14:31								141.9	16.24	9576.83
	1/22/2014	14:32	1/22/2014 14:32			17							9576.83
SW-57 Event 8	3/16/2015	7:45	3/16/2015 7:45		28	29	0	54	0.0				9576.83
	3/16/2015	8:33	3/16/2015 8:33		26	25	12	66	22.8		547.5	62.63	9639.47
	3/16/2015	8:34	3/16/2015 8:34		32	29	18	66	36.7		29.8	3.40	9642.87
	3/16/2015	9:55	3/16/2015 9:55		32	27	20	80	40.2		3114.8	356.33	9999.20
	3/16/2015	11:00	3/16/2015 11:00		31	26	20	88	39.5		2590.1	296.30	10295.51
	3/16/2015	11:01	3/16/2015 11:01		34	28	23	88	46.9		43.2	4.94	10300.45
	3/16/2015	12:39	3/16/2015 12:39		34	27	23	90	46.8		4590.5	525.15	10825.60
	3/16/2015	13:01	3/16/2015 13:01		34	27	23	90	46.8		1029.5	117.78	10943.38
	3/16/2015	13:02	3/16/2015 13:02			19					46.8	5.35	10948.73
SW-57 Event 9	3/18/2015	7:52	3/18/2015 7:52		34	33	0	70	0.0				10948.73
	3/18/2015	8:12	3/18/2015 8:12		32	34	0	70	0.0		0.0	0.00	10948.73
	3/18/2015	9:04	3/18/2015 9:04		32	33	0	76	0.0		0.0	0.00	10948.73
	3/18/2015	9:28	3/18/2015 9:28		32	33	0	76	0.0		0.0	0.00	10948.73
	3/18/2015	9:29	3/18/2015 9:29			22			0.0		0.0	0.00	10948.73
	3/18/2015	12:00	3/18/2015 12:00		33	34	0	82	0.0		0.0	0.00	10948.73
	3/18/2015	12:20	3/18/2015 12:20		32	34	0	82	0.0		0.0	0.00	10948.73
	3/18/2015	13:19	3/18/2015 13:19		32	33	<2	81	0.0		0.0	0.00	10948.73
	3/18/2015	15:07	3/18/2015 15:07		32	33	4	78	8.1		435.2	49.78	10998.51

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/18/2015	16:15	3/18/2015 16:15		32	32	4	74	8.1		549.1	62.81	11061.33
	3/18/2015	16:16	3/18/2015 16:16			22					8.1	0.93	11061.33
SW-57 Event 10	3/26/2015	7:54	3/26/2015 7:54		28	29	0	66	0.0				11061.33
	3/26/2015	8:07	3/26/2015 8:07		28	29	0	66	0.0		0.0	0.00	11061.33
	3/26/2015	8:08	3/26/2015 8:08		30	32	0	66	0.0		0.0	0.00	11061.33
	3/26/2015	8:58	3/26/2015 8:58		30	32	0	68	0.0		0.0	0.00	11061.33
	3/26/2015	8:59	3/26/2015 8:59			26			0.0		0.0	0.00	11061.33
	3/26/2015	12:45	3/26/2015 12:45		30	32	0	85	0.0		0.0	0.00	11061.33
	3/26/2015	12:57	3/26/2015 12:57		30	32	0	85	0.0		0.0	0.00	11061.33
	3/26/2015	12:58	3/26/2015 12:58		33	35	0	85	0.0		0.0	0.00	11061.33
	3/26/2015	13:30	3/26/2015 13:30		33	35	0	84	0.0		0.0	0.00	11061.33
	3/26/2015	14:35	3/26/2015 14:35		33	34	<2	83	0.0		0.0	0.00	11061.33
	3/26/2015	15:42	3/26/2015 15:42		33	33	4	90	8.1		269.8	30.86	11092.19
	3/26/2015	15:44	3/26/2015 15:44		35	35.5	5.5	90	11.3		19.4	2.21	11094.41
	3/26/2015	16:19	3/26/2015 16:19		35	35.5	5.5	90	11.3		395.7	45.27	11139.68
	3/26/2015	16:20	3/26/2015 16:20			21					11.3	1.29	11140.97
SW-57 Event 11	4/17/2015	6:45	4/17/2015 6:45		32	30	0	64	0.0				11140.97
	4/17/2015	7:04	4/17/2015 7:04		32	30	0	65	0.0		0.0	0.00	11140.97
	4/17/2015	7:05	4/17/2015 7:05		36	34	0	65	0.0		0.0	0.00	11140.97
	4/17/2015	8:12	4/17/2015 8:12		35	32.5	0	66	0.0		0.0	0.00	11140.97
	4/17/2015	8:13	4/17/2015 8:13		37	34.5	0	66	0.0		0.0	0.00	11140.97
	4/17/2015	9:18	4/17/2015 9:18		37	33.5	4	68	8.6		278.5	31.86	11172.83
	4/17/2015	10:15	4/17/2015 10:15		37	33.5	4	71	8.5		487.7	55.80	11228.63
	4/17/2015	11:00	4/17/2015 11:00		36	33	4.5	76	9.5		405.3	46.37	11275.00
	4/17/2015	11:01	4/17/2015 11:01			19.5					9.5	1.08	11276.08
Total CO ₂ Mass (lbs):													11276.08

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-58 Event 1	11/12/2013	13:47	11/12/2013 13:47	30	10			69.6					
	11/12/2013	13:49	11/12/2013 13:49	36	34	32	<2	69.6	0.0		0.0	0.00	0.00
	11/12/2013	13:51	11/12/2013 13:51	32	31	31	<2	65.8	0.0		0.0	0.00	0.00
	11/12/2013	13:52	11/12/2013 13:52	30	28	26	5	66.7	7.9		3.9	0.45	0.45
	11/12/2013	13:54	11/12/2013 13:54	30	26	29	8.5	67.1	13.1		21.0	2.40	2.85
	11/12/2013	13:55	11/12/2013 13:55	34	28	25	14.75	67.4	23.3		18.2	2.08	4.93
	11/12/2013	13:57	11/12/2013 13:57	34	26	23	15	64.9	23.1		46.4	5.31	10.24
	11/12/2013	14:00	11/12/2013 14:00	34	26	22.5	15.5	60.2	24.0		70.7	8.09	18.33
	11/12/2013	14:02	11/12/2013 14:02	38	29	25	17.5	58.6	28.2		52.2	5.97	24.30
	11/12/2013	14:04	11/12/2013 14:04	42	31	26	19.5	56.8	32.2		60.3	6.90	31.20
	11/12/2013	14:06	11/12/2013 14:06	45	32	28	20.5	53.0	34.3		66.5	7.60	38.81
	11/12/2013	14:07	11/12/2013 14:07	46	32	26	21	47.3	35.4		34.8	3.99	42.79
	11/12/2013	14:11	11/12/2013 14:11	48	33	26	22.5	45.8	38.4		147.4	16.86	59.65
	11/12/2013	14:15	11/12/2013 14:15	48	32.5	25.5	22.75	43.8	38.7		154.0	17.62	77.27
	11/12/2013	14:19	11/12/2013 14:19	48	32	25	23	42.2	38.9		155.2	17.75	95.02
	11/12/2013	14:30	11/12/2013 14:30	48	31.5	24	23.5	39.3	39.7		432.3	49.46	144.48
	11/12/2013	14:40	11/12/2013 14:40	48	31	24	23.5	37.9	39.5		396.0	45.30	189.78
	11/12/2013	15:06	11/12/2013 15:06	48	30	23	24	36.5	40.0		1033.2	118.20	307.98
	11/12/2013	15:23	11/12/2013 15:23	49	31	22.5	25	39.5	42.0		696.4	79.67	387.65
	11/12/2013	15:25	11/12/2013 15:25	52	32	23.5	25.5	33.9	43.5		85.5	9.78	397.43
	11/12/2013	15:27	11/12/2013 15:27	54	33	24	26.5	32.9	45.8		89.3	10.22	407.65
	11/12/2013	15:30	11/12/2013 15:30	56	34	24.25	27	33.4	47.1		139.4	15.94	423.59
	11/12/2013	15:32	11/12/2013 15:32	59	35	24.75	27.5	33.1	48.5		95.6	10.94	434.53
	11/12/2013	15:34	11/12/2013 15:34	61	37.5	25.5	28.25	32.7	51.1		99.6	11.40	445.93
	11/12/2013	15:36	11/12/2013 15:36	63	37.5	26	28.75	31.1	52.1		103.2	11.81	457.73
	11/12/2013	16:18	11/12/2013 16:18	63	37	24.5	29.25	21.5	53.3		2213.8	253.26	710.99
	11/12/2013	16:52	11/12/2013 16:52	63	36.5	24.5	29.5	19.5	53.6		1817.7	207.94	918.93
	11/12/2013	17:35	11/12/2013 17:35	63	37	23.5	29.5	1.0	55.0		2335.6	267.19	1186.12
	11/12/2013	17:36	11/12/2013 17:36								55.0	6.29	1192.42
	11/12/2013	17:38	11/12/2013 17:38										1192.42
SW-58 Event 2	11/19/2013	8:21	11/19/2013 8:21	29	14			55.9			0.0	0.00	1192.42
	11/19/2013	8:24	11/19/2013 8:24	32	32.5	31	<2	49.6	0.0		0.0	0.00	1192.42
	11/19/2013	8:49	11/19/2013 8:49	28	27	24	7	49.6	11.1		138.8	15.87	1208.29
	11/19/2013	8:51	11/19/2013 8:51	34	31	27	10.5	49.6	17.4		28.5	3.27	1211.56
	11/19/2013	8:56	11/19/2013 8:56	38	34	28.5	13.75	40.6	23.8		103.1	11.80	1223.36
	11/19/2013	10:37	11/19/2013 10:37	38	31	25	15.5	38.6	26.0		2517.9	288.04	1511.40
	11/19/2013	10:39	11/19/2013 10:39	44	35	27.5	19.75	36.6	34.7		60.8	6.95	1518.35
	11/19/2013	12:17	11/19/2013 12:17	46	34.5	26.5	19.5	31.4	34.3		3380.4	386.72	1905.07
	11/19/2013	12:21	11/19/2013 12:21	52	37.5		22	31.6	39.9		148.3	16.96	1922.03
	11/19/2013	12:22	11/19/2013 12:22	55	40	29	23	31.2	42.7		41.3	4.72	1926.76
	11/19/2013	15:30	11/19/2013 15:30	56	39	28.5	24.75	31	45.5		8292.0	948.60	2875.36
	11/19/2013	15:37	11/19/2013 15:37	62	42	30	26	31	49.2		331.4	37.91	2913.27
	11/19/2013	17:00	11/19/2013 17:00	64	45	31.5	25.75	13.2	51.0		4156.7	475.53	3388.79
	11/19/2013	17:28	11/19/2013 17:28	64	46		25.5	11.3	51.0		1428.5	163.42	3552.22
	11/19/2013	17:29	11/19/2013 17:29								51.0	5.84	3558.05
	11/19/2013	17:32	11/19/2013 17:32	22	23								3558.05
	11/19/2013	17:38	11/19/2013 17:38			18							3558.05
SW-58 Event 3	11/25/2013	7:59	11/25/2013 7:59	38	27			50			0	0.00	3558.05
	11/25/2013	8:01	11/25/2013 8:01	32	32		<2	50	0.0		0	0.00	3558.05
	11/25/2013	8:05	11/25/2013 8:05								0	0.00	3558.05
	11/25/2013	8:40	11/25/2013 8:40	57	29			52			0	0.00	3558.05

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/25/2013	8:41	11/25/2013 8:41		33	34	<2	52	0.0		0	0.00	3558.05
	11/25/2013	8:47	11/25/2013 8:47		32	32	8	52	16.5		49.6	5.68	3563.73
	11/25/2013	8:48	11/25/2013 8:48		34	34	10	52	21.1		18.8	2.15	3565.88
	11/25/2013	9:18	11/25/2013 9:18		34	33	13.5	56	28.4		742.7	84.96	3650.84
	11/25/2013	10:19	11/25/2013 10:19		34	31.5	15	63	31.3		1821.5	208.38	3859.22
	11/25/2013	10:21	11/25/2013 10:21		35	32.5	16	63	33.8		65.1	7.45	3866.67
	11/25/2013	11:18	11/25/2013 11:18	55	35	32	16.5	60	34.9		1957.5	223.94	4090.61
	11/25/2013	12:01	11/25/2013 12:01		35	31.5	17	62	35.9		1522.9	174.22	4264.83
	11/25/2013	12:43	11/25/2013 12:43		33	31.5	18	64	37.2		1534.5	175.54	4440.37
	11/25/2013	13:49	11/25/2013 13:49		33	31	18	64	37.2		2452.7	280.59	4720.95
	11/25/2013	14:22	11/25/2013 14:22								1226.3	140.29	4861.25
	11/25/2013	14:23	11/25/2013 14:23			24							4861.25
	11/25/2013	14:33	11/25/2013 14:33		29								4861.25
	11/25/2013	14:34	11/25/2013 14:34		31	27	18	62	36.4				4861.25
	11/25/2013	14:35	11/25/2013 14:35		34	29	20	62	41.8		39.1	4.48	4865.72
	11/25/2013	15:20	11/25/2013 15:20	55	33	30	18	60	37.3		1780.2	203.66	5069.38
	11/25/2013	16:10	11/25/2013 16:10	57	34	30	16	60	33.5		1770.6	202.56	5271.94
	11/25/2013	16:11	11/25/2013 16:11								33.5	3.83	5275.78
	11/25/2013	16:12	11/25/2013 16:12			25							5275.78
SW-58 Event 4	11/26/2013	8:01	11/26/2013 8:01	48	29		<2	68	0.0		0.0	0.00	5275.78
	11/26/2013	8:02	11/26/2013 8:02		33	34.5	<2	68	0.0				5275.78
	11/26/2013	8:08	11/26/2013 8:08	55	32	32.5	6	68	12.2		36.6	4.19	5279.97
	11/26/2013	9:15	11/26/2013 9:15	52	32	32	8	68	16.3		954.1	109.15	5389.12
	11/26/2013	11:00	11/26/2013 11:00	50	30	32	10	68	19.9		1899.0	217.25	5606.37
	11/26/2013	12:25	11/26/2013 12:25	50	30	31	10	68	19.9		1691.2	193.48	5799.85
	11/26/2013	12:26	11/26/2013 12:26								19.9	2.28	5802.12
	11/26/2013	12:27	11/26/2013 12:27										5802.12
SW-58 Event 5	12/6/2013	13:18	12/6/2013 13:18	47	37.5	35	<2	84	0.0				5802.12
	12/6/2013	14:04	12/6/2013 14:04	47	34	33	9	83	18.4		424.0	48.50	5850.63
	12/6/2013	14:35	12/6/2013 14:35	45	34	32	10	84	20.5		602.9	68.97	5919.60
	12/6/2013	15:05	12/6/2013 15:05	45	34	32.5	11	80	22.6		645.9	73.89	5993.48
	12/6/2013	15:53	12/6/2013 15:53	45	34	33	11	79	22.6		1085.1	124.13	6117.62
	12/6/2013	16:10	12/6/2013 16:10	43	34	32.5	11.5	78	23.7		393.4	45.01	6162.62
	12/6/2013	17:07	12/6/2013 17:07	43	35	32.5	12	76	25.0		1387.1	158.68	6321.30
	12/6/2013	17:22	12/6/2013 17:22	40	34	32	12	79	24.7		372.6	42.62	6363.92
	12/6/2013	17:23	12/6/2013 17:23								24.7	2.82	6366.75
SW-58 Event 6	12/10/2013	8:54	12/10/2013 8:54	50	34	32	<2	72	0.0				6366.75
	12/10/2013	9:20	12/10/2013 9:20	50	32	30	5.5	72	11.1		144.9	16.58	6383.32
	12/10/2013	9:55	12/10/2013 9:55	50	32	30	6.5	72	13.2		425.6	48.68	6432.01
	12/10/2013	10:35	12/10/2013 10:35	49	32	29	7	74	14.2		546.6	62.53	6494.54
	12/10/2013	10:36	12/10/2013 10:36	47.4	34	31	10	74	20.7		17.4	1.99	6496.53
	12/10/2013	10:38	12/10/2013 10:38	46	35	33	12.5	74	26.1		46.8	5.35	6501.88
	12/10/2013	11:34	12/10/2013 11:34	45	35	33	12	74	25.0		1432.0	163.82	6665.70
	12/10/2013	12:50	12/10/2013 12:50	50	35	32	13	80	27.0		1977.1	226.18	6891.88
	12/10/2013	12:54	12/10/2013 12:54								107.9	12.35	6904.22
	12/10/2013	12:55	12/10/2013 12:55			22.5							6904.22
SW-58 Event 7	12/12/2013	13:40	12/12/2013 13:40	51	34	33.5	<2	70	0.0				6904.22
	12/12/2013	14:34	12/12/2013 14:34	47	34	30	9	70	18.7		504.0	57.66	6961.88
	12/12/2013	14:35	12/12/2013 14:35	48	34	32	11.5	70	23.9		21.3	2.43	6964.32
	12/12/2013	15:12	12/12/2013 15:12	45	34	31	11.5	70	23.9		882.5	100.96	7065.28
	12/12/2013	15:13	12/12/2013 15:13	45	35	32.5	13.5	70	28.3		26.1	2.98	7068.26

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/12/2013	16:30	12/12/2013 16:30	47	35	32	14.5	66	30.5		2263.7	258.97	7327.23
	12/12/2013	16:32	12/12/2013 16:32	47	36	33	16.5	66	35.1		65.6	7.50	7334.73
	12/12/2013	17:30	12/12/2013 17:30	50	36	32.5	16.5	66	35.1		2033.9	232.68	7567.41
	12/12/2013	17:35	12/12/2013 17:35								175.3	20.06	7587.47
	12/12/2013	17:36	12/12/2013 17:36			22							7587.47
SW-58 Event 8	12/17/2013	8:12	12/17/2013 8:12	49	35	35	<2	48	0.0				7587.47
	12/17/2013	9:10	12/17/2013 9:10	45	35	34	8.5	58	18.0		522.8	59.80	7647.28
	12/17/2013	10:26	12/17/2013 10:26	40	35	33	9.5	63	20.0		1446.8	165.51	7812.79
	12/17/2013	11:26	12/17/2013 11:26	40	35	32	10	70	21.0		1230.1	140.72	7953.51
	12/17/2013	11:27	12/17/2013 11:27	40	35	34	14	70	29.3		25.1	2.88	7956.39
	12/17/2013	12:12	12/17/2013 12:12	42	38	34	15.5	71	33.4		1412.3	161.57	8117.96
	12/17/2013	12:13	12/17/2013 12:13								33.4	3.82	8121.78
	12/17/2013	12:14	12/17/2013 12:14			27							8121.78
SW-58 Event 9	1/14/2014	12:55	1/14/2014 12:55	47	31	33.5	<2	66	0.0				8121.78
	1/14/2014	14:10	1/14/2014 14:10	47	31	33	5	70	10.0		376.5	43.08	8164.86
	1/14/2014	15:47	1/14/2014 15:47	47	30.5	32	5	73	10.0		969.9	110.95	8275.81
	1/14/2014	17:07	1/14/2014 17:07	55	30.5	32	6.5	75	12.9		915.0	104.67	8380.48
	1/14/2014	17:08	1/14/2014 17:08			25							8380.48
SW-58 Event 10	1/23/2014	8:27	1/23/2014 8:27	52	32	33	<2	40	0.0		0.0	0.00	8380.48
	1/23/2014	8:28	1/23/2014 8:28	52	32	33	3	40	6.3		3.1	0.36	8380.84
	1/23/2014	8:31	1/23/2014 8:31	52	32	31.5	3.7	40	7.7		21.0	2.41	8383.25
	1/23/2014	8:32	1/23/2014 8:32	52	33	32.5	5	40	10.6		9.2	1.05	8384.30
	1/23/2014	8:50	1/23/2014 8:50	51	33	32.3	5.2	44	11.0		193.8	22.17	8406.47
	1/23/2014	8:51	1/23/2014 8:51	51	34	33.2	7	44	14.9		12.9	1.48	8407.95
	1/23/2014	9:30	1/23/2014 9:30	48	34	33.2	6.8	46	14.4		572.4	65.48	8473.43
	1/23/2014	10:03	1/23/2014 10:03	47	34	33	6.5	48	13.8		465.8	53.29	8526.72
	1/23/2014	11:09	1/23/2014 11:09	45	33.5	32.8	6.5	50	13.7		906.3	103.69	8630.40
	1/23/2014	11:59	1/23/2014 11:59	44	33.5	32.8	6.8	54	14.3		698.4	79.90	8710.30
	1/23/2014	12:45	1/23/2014 12:45	47	33.5	32.8	7	58	14.6		664.0	75.97	8786.27
	1/23/2014	12:46	1/23/2014 12:46			29					14.6	1.67	8787.94
SW-58 Event 11	1/29/2014	12:18	1/29/2014 12:18										8787.94
	1/29/2014	12:19	1/29/2014 12:19	50	34	32.5	3.5	42	7.5		7.5	0.85	8788.80
	1/29/2014	12:20	1/29/2014 12:20	50	35	34	6	42	12.9		10.2	1.17	8789.96
	1/29/2014	13:52	1/29/2014 13:52	50	34	32.5	9.5	42	20.3		1527.4	174.73	8964.70
	1/29/2014	13:54	1/29/2014 13:54	50	36	34	12	42	26.1		46.4	5.31	8970.00
	1/29/2014	15:00	1/29/2014 15:00	49	36	34	12	42	26.1		1724.8	197.32	9167.32
	1/29/2014	16:40	1/29/2014 16:40	56	36	34	12	42	26.1		2613.4	298.97	9466.29
	1/29/2014	16:41	1/29/2014 16:41								26.1	2.99	9469.28
	1/29/2014	16:42	1/29/2014 16:42			27							9469.28
SW-58 Event 12	2/4/2014	9:57	2/4/2014 9:57	55	34.5	32.5	<2	61	0.0				9469.28
	2/4/2014	10:24	2/4/2014 10:24	54	32	30.5	6.3	63	12.9		173.9	19.89	9489.18
	2/4/2014	10:25	2/4/2014 10:25	54	34	32.5	9.7	63	20.3		16.6	1.90	9491.07
	2/4/2014	11:38	2/4/2014 11:38	52	33.5	31.5	11.8	66	24.4		1631.6	186.65	9677.72
	2/4/2014	12:47	2/4/2014 12:47	50	33	31	12.8	67	26.3		1752.3	200.46	9878.18
	2/4/2014	12:50	2/4/2014 12:50	50	34	32	15	67	31.2		86.3	9.88	9888.06
	2/4/2014	13:28	2/4/2014 13:28	50	34	32	15	67	31.2		1185.7	135.65	10023.71
	2/4/2014	14:32	2/4/2014 14:32	48	34	32	15	64	31.3		2000.0	228.80	10252.51
	2/4/2014	15:34	2/4/2014 15:34	50	34	31.5	15.7	62	32.8		1987.7	227.39	10479.89
	2/4/2014	16:28	2/4/2014 16:28	50	34	31.5	15.9	60	33.3		1785.5	204.26	10684.15
	2/4/2014	17:53	2/4/2014 17:53	56	34	31	16	59	33.5		2841.4	325.05	11009.21
	2/4/2014	17:54	2/4/2014 17:54			24					33.5	3.84	11013.04

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-58 Event 13	2/6/2014	8:24	2/6/2014 8:24	55	29	24	<2	50	0.0				11013.04
	2/6/2014	8:25	2/6/2014 8:25	55	33	32	6.2	50	13.0		6.5	0.74	11013.79
	2/6/2014	8:49	2/6/2014 8:49	52	32.5	31.5	9	55	18.6		379.6	43.42	11057.21
	2/6/2014	8:52	2/6/2014 8:52	52	33.5	32.5	11.7	55	24.5		64.7	7.40	11064.61
	2/6/2014	10:52	2/6/2014 10:52	49	33.5	31	13.9	62	28.9		3204.6	366.61	11431.22
	2/6/2014	10:56	2/6/2014 10:56	49	34.5	32.5	16.3	62	34.3		126.3	14.45	11445.67
	2/6/2014	11:15	2/6/2014 11:15	48	34.5	32	16.2	64	34.0		648.2	74.15	11519.82
	2/6/2014	12:16	2/6/2014 12:16	47	34.5	32	16.2	66	33.9		2070.5	236.86	11756.69
	2/6/2014	14:14	2/6/2014 14:14	46	34.5	32	16.7	65	35.0		4065.0	465.04	12221.72
	2/6/2014	15:24	2/6/2014 15:24	47	34	31.8	17	60	35.6		2471.0	282.68	12504.41
	2/6/2014	16:41	2/6/2014 16:41	46	34	31.5	17	56	35.8		2747.5	314.32	12818.73
	2/6/2014	17:23	2/6/2014 17:23	53	34	31.5	17.3	55	36.4		1515.7	173.40	12992.12
	2/6/2014	17:24	2/6/2014 17:24			24					36.4	4.17	12996.29
SW-58 Event 14	2/11/2014	7:52	2/11/2014 7:52	57	28	27	<2	56	0.0				12996.29
	2/11/2014	7:53	2/11/2014 7:53	57	3.5	32	10	56	12.8		6.4	0.73	12997.02
	2/11/2014	9:17	2/11/2014 9:17	54	32	31	12.3	60	25.2		1596.4	182.63	13179.65
	2/11/2014	9:20	2/11/2014 9:20	54	33.5	32	14.5	60	30.2		83.2	9.51	13189.17
	2/11/2014	10:30	2/11/2014 10:30	53	33.5	32	14.2	66	29.4		2087.0	238.75	13427.92
	2/11/2014	11:50	2/11/2014 11:50	53	33.5	32	14.3	66	29.6		2361.4	270.14	13698.06
	2/11/2014	12:45	2/11/2014 12:45	47	33.5	32	14.3	66	29.6		1629.2	186.38	13884.44
	2/11/2014	14:02	2/11/2014 14:02	47	33.5	32	14.8	64	30.7		2323.0	265.75	14150.19
	2/11/2014	16:50	2/11/2014 16:50	47	33.5	32	15	54	31.4		5221.7	597.37	14747.56
	2/11/2014	17:27	2/11/2014 17:27	54	33.5	32	14.8	54	31.0		1155.8	132.22	14879.78
	2/11/2014	17:28	2/11/2014 17:28			28					31.0	3.55	14883.33
SW-58 Event 15	1/15/2015	7:59	1/15/2015 7:59	25	25	25	0	50	0.0				14883.33
	1/15/2015	8:32	1/15/2015 8:32	33	31	31	6	50	12.6		207.3	23.71	14907.04
	1/15/2015	9:35	1/15/2015 9:35	34	31.5	31.5	4	52	8.4		661.8	75.71	14982.75
	1/15/2015	11:09	1/15/2015 11:09	34	31.5	31.5	5	55	10.5		891.8	102.02	15084.77
	1/15/2015	11:13	1/15/2015 11:13	40	36.5	36.5	14	55	31.3		83.6	9.56	15094.33
	1/15/2015	13:45	1/15/2015 13:45	40	37.5	37.5	11	55	24.6		4243.9	485.51	15579.84
	1/15/2015	15:33	1/15/2015 15:33	40	37	37	12	52	26.9		2778.6	317.88	15897.72
	1/15/2015	17:13	1/15/2015 17:13	40	36.5	36.5	12	52	26.9		2688.6	307.58	16205.29
	1/15/2015	17:14	1/15/2015 17:14			32					26.9	3.08	16208.37
	2/6/2015	7:24	2/6/2015 7:24		28	27	0	42	0.0				16208.37
2/6/2015	7:46	2/6/2015 7:46		27	26.5	0	44	0.0		0.0	0.00	16208.37	
2/6/2015	7:47	2/6/2015 7:47		38	36	10	44	22.2		11.1	1.27	16209.64	
2/6/2015	8:50	2/6/2015 8:50		38	36	9	51	19.8		1322.1	151.25	16360.88	
2/6/2015	9:55	2/6/2015 9:55		38	36	9.5	59	20.7		1317.6	150.74	16511.62	
2/6/2015	10:50	2/6/2015 10:50		38	36	10	61	21.8		1169.3	133.77	16645.39	
2/6/2015	10:51	2/6/2015 10:51			31					21.8	2.49	16647.88	
SW-58 Event 17	2/13/2015	7:42	2/13/2015 7:42		31	29	0	42	0.0				16647.88
	2/13/2015	8:10	2/13/2015 8:10		29	27.5	0	48	0.0		0.0	0.00	16647.88
	2/13/2015	8:11	2/13/2015 8:11		38	36	8.5	48	18.8		9.4	1.07	16648.95
	2/13/2015	9:27	2/13/2015 9:27		38	35.5	9	55	19.7		1462.5	167.31	16816.27
	2/13/2015	10:39	2/13/2015 10:39		38	35	10	58	21.8		1496.7	171.22	16987.49
	2/13/2015	11:03	2/13/2015 11:03		38	35	10	60	21.8		523.9	59.93	17047.42
	2/13/2015	11:05	2/13/2015 11:05			29.5					43.6	4.99	17052.41
SW-58 Event 18	2/16/2015	12:27	2/16/2015 12:27		28	28	0	74	0.0				17052.41
	2/16/2015	13:02	2/16/2015 13:02		28	28	<2	73	0.0		0.0	0.00	17052.41
	2/16/2015	13:03	2/16/2015 13:03		37	34	11	73	23.4		11.7	1.34	17053.75
	2/16/2015	14:11	2/16/2015 14:11		37	35	10	73	21.3		1522.1	174.13	17227.88

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/16/2015	14:12	2/16/2015 14:12		39	36	12	73	26.1		23.7	2.71	17230.59
	2/16/2015	16:50	2/16/2015 16:50		39	36	12	70	26.2		4126.7	472.10	17702.69
	2/16/2015	16:51	2/16/2015 16:51			30					26.2	2.99	17705.68
SW-58 Event 19	2/18/2015	12:07	2/18/2015 12:07		30	30	8	66	15.9				17705.68
	2/18/2015	12:36	2/18/2015 12:36		30	30	8.5	67	16.9		476.7	54.54	17760.22
	2/18/2015	12:37	2/18/2015 12:37		38	35	15	67	32.5		24.7	2.83	17763.04
	2/18/2015	14:18	2/18/2015 14:18		38	36	14	66	30.3		3172.8	362.96	18126.01
	2/18/2015	15:42	2/18/2015 15:42		38	36	14	66	30.3		2549.0	291.61	18417.62
	2/18/2015	17:18	2/18/2015 17:18		38	36	14	62	30.5		2919.0	333.94	18751.56
	2/18/2015	17:19	2/18/2015 17:19			30					30.5	3.49	18755.04
SW-58 Event 20	2/20/2015	7:50	2/20/2015 7:50		30	30	7	42	14.3				18755.04
	2/20/2015	8:18	2/20/2015 8:18		30	30	8	44	16.3		428.4	49.01	18804.06
	2/20/2015	8:19	2/20/2015 8:19		37	35	14	44	30.7		23.5	2.69	18806.75
	2/20/2015	10:18	2/20/2015 10:18		36	34	13	55	27.9		3490.6	399.33	19206.07
	2/20/2015	11:48	2/20/2015 11:48		36	34	13.5	60	28.9		2556.0	292.40	19498.48
	2/20/2015	12:37	2/20/2015 12:37		36	34	13.5	62	28.8		1412.9	161.64	19660.12
	2/20/2015	12:38	2/20/2015 12:38			28					28.8	3.30	19663.41
SW-58 Event 21	2/23/2015	7:42	2/23/2015 7:42		30	30	0	65	0.0				19663.41
	2/23/2015	7:48	2/23/2015 7:48		37	36	7	65	15.0		45.1	5.16	19668.57
	2/23/2015	9:25	2/23/2015 9:25		37	35	11	74	23.4		1865.7	213.43	19882.01
	2/23/2015	11:31	2/23/2015 11:31		37	35	12	79	25.4		3078.2	352.14	20234.15
	2/23/2015	13:37	2/23/2015 13:37		37	35	12	74	25.6		3212.3	367.49	20601.64
	2/23/2015	13:42	2/23/2015 13:42			28					127.8	14.62	20616.26
Total CO ₂ Mass (lbs):												20616.26	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-59 Event 1	2/5/2014	16:17	2/5/2014 16:17	50	27	27	<2	86.0					
	2/5/2014	16:18	2/5/2014 16:18	50	33.5	33.5	<2	86.0	0.0		0.0	0.00	0.00
	2/5/2014	16:23	2/5/2014 16:23	50	33.5	33.5	<2	86.0	0.0		0.0	0.00	0.00
	2/5/2014	17:03	2/5/2014 17:03	50	33.5	34	<2	84.0	0.0		0.0	0.00	0.00
	2/5/2014	17:14	2/5/2014 17:14	50	33.5	34	<2	82.0	0.0		0.0	0.00	0.00
	2/5/2014	21:27	2/5/2014 21:27	50	33.5	34	<2	62.0	0.0		0.0	0.00	0.00
	2/6/2014	7:30	2/6/2014 7:30	47	33.5	32.5	<2	41.0	0.0		0.0	0.00	0.00
	2/6/2014	8:58	2/6/2014 8:58	50	32.5	32.5	<2	58.0	0.0		0.0	0.00	0.00
	2/6/2014	9:00	2/6/2014 9:00	50	34	34	<2	58.0	0.0		0.0	0.00	0.00
	2/6/2014	10:20	2/6/2014 10:20	48	34	34	<2	64.0	0.0		0.0	0.00	0.00
	2/6/2014	11:00	2/6/2014 11:00	48	34	34	<2	65.0	0.0		0.0	0.00	0.00
	2/6/2014	11:10	2/6/2014 11:10	48	34	34	<2	66.0	0.0		0.0	0.00	0.00
	2/6/2014	12:20	2/6/2014 12:20	46	34	34	<2	66.0	0.0		0.0	0.00	0.00
	2/6/2014	14:18	2/6/2014 14:18	46	34	34	<2	65.0	0.0		0.0	0.00	0.00
	2/6/2014	14:20	2/6/2014 14:20	46	35	35.5	4	66.0	8.4		8.4	0.96	0.96
	2/6/2014	15:28	2/6/2014 15:28	45	35.5	36	3.9	59.0	8.3		568.5	65.04	66.00
	2/6/2014	16:45	2/6/2014 16:45	45	35	36	3.9	54.0	8.3		639.5	73.15	139.15
	2/6/2014	17:29	2/6/2014 17:29	52	35	36	4	53.0	8.5		370.3	42.36	181.51
	2/7/2014	9:08	2/7/2014 9:08	44	35	34	7	60.0	14.8		10958.9	1253.70	1435.21
	2/7/2014	9:46	2/7/2014 9:46	43	36	34	7.2	54.0	15.5		575.8	65.87	1501.08
	2/7/2014	10:39	2/7/2014 10:39		36	35	7	58.0	15.0		807.8	92.42	1593.50
	2/7/2014	11:34	2/7/2014 11:34		36	35.5	6.2	62.0	13.2		776.2	88.80	1682.30
	2/7/2014	13:25	2/7/2014 13:25		36	36	5.8	62.0	12.4		1421.1	162.57	1844.87
	2/7/2014	14:36	2/7/2014 14:36	47	36	35.5	6.1	62.0	13.0		901.4	103.12	1947.99
	2/7/2014	15:48	2/7/2014 15:48	46	36	35.5	6.3	60.0	13.5		953.5	109.08	2057.07
	2/7/2014	16:48	2/7/2014 16:48	46	36	35.5	6.5	58.0	13.9		821.9	94.02	2151.09
	2/7/2014	17:40	2/7/2014 17:40	55	36	35	7	56.0	15.0		752.8	86.12	2237.21
	2/7/2014	17:43	2/7/2014 17:43			30					45.1	5.16	2242.37
SW-59 Event 2	2/10/2014	8:47	2/10/2014 8:47	53	27	27	4	53.0	7.8				2242.37
	2/10/2014	8:52	2/10/2014 8:52	53	33	32.5	10.4	53.0	21.7		73.8	8.44	2250.81
	2/10/2014	9:38	2/10/2014 9:38	47	33.5	33.5	9	63.0	18.7		929.4	106.32	2357.13
	2/10/2014	11:01	2/10/2014 11:01	46	33.5	34	7.7	78.0	15.8		1430.2	163.61	2520.74
	2/10/2014	13:37	2/10/2014 13:37	45	33.5	34	7	84.0	14.2		2341.0	267.81	2788.55
	2/10/2014	15:09	2/10/2014 15:09	44	33.5	33.5	6.8	84.0	13.8		1292.2	147.83	2936.38
	2/10/2014	17:00	2/10/2014 17:00	44	33.5	33.5	6.8	73.0	14.0		1544.6	176.70	3113.08
	2/10/2014	17:34	2/10/2014 17:34	49	34	34	6.5	70	13.5		467.0	53.43	3166.51
	2/11/2014	7:35	2/11/2014 7:35	55	33.5	33	9.3	53.0	19.5		13875.7	1587.38	4753.89
	2/11/2014	8:42	2/11/2014 8:42	45	33.5	33.5	8.2	56.0	17.2		1228.5	140.54	4894.43
	2/11/2014	9:27	2/11/2014 9:27	51	33.5	33.5	7.7	61.0	16.0		746.7	85.42	4979.85
	2/11/2014	10:44	2/11/2014 10:44	50	33.5	34	6.8	67.0	14.1		1158.9	132.58	5112.43
	2/11/2014	11:55	2/11/2014 11:55	50	34	34	6.2	66.0	12.9		957.9	109.58	5222.00
	2/11/2014	12:56	2/11/2014 12:56	45	34	34	6.1	65.0	12.7		781.6	89.41	5311.41
	2/11/2014	14:00	2/11/2014 14:00	45	34	34	6.1	63.0	12.7		814.5	93.18	5404.60
	2/11/2014	16:54	2/11/2014 16:54	44	34.5	34	6	53.0	12.7		2215.3	253.43	5658.03
	2/11/2014	17:43	2/11/2014 17:43	55	34.5	34	6	51.0	12.7		624.1	71.40	5729.42
	2/12/2014	8:38	2/12/2014 8:38	45	33	32.5	10	47.0	21.0		15104.1	1727.91	7457.33
	2/12/2014	9:00	2/12/2014 9:00	45	33	32.5	10	47.0	21.0		462.1	52.86	7510.19
SW-59 Event 3	2/12/2014	11:44	2/12/2014 11:44	43	32.5	33	14	48.0	29.2				7510.19
	2/12/2014	14:02	2/12/2014 14:02	48	32.5	33	10	49.0	20.8		3454.4	395.19	7905.38
	2/12/2014	14:57	2/12/2014 14:57	48	32	33	10	46.0	20.8		1145.3	131.02	8036.39
	2/12/2014	16:56	2/12/2014 16:56	48	32	33	9.8	45.0	20.4		2451.6	280.46	8316.85

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/12/2014	17:56	2/12/2014 17:56	48	32	33	9.8	45.0	20.4		1224.2	140.05	8456.90
	2/13/2014	7:17	2/13/2014 7:17	50	33	33	9.7	47.0	20.4		16331.0	1868.26	10325.17
	2/13/2014	8:02	2/13/2014 8:02	49	33	33	9.7	43.0	20.5		918.7	105.10	10430.26
	2/13/2014	9:07	2/13/2014 9:07	49	33	33	9.7	43.0	20.5		1329.7	152.12	10582.38
	2/13/2014	9:58	2/13/2014 9:58	49	33	33	9.7	44.0	20.4		1042.8	119.29	10701.67
	2/13/2014	10:36	2/13/2014 10:36	49	33	33	9.7	44.0	20.4		776.6	88.84	10790.51
	2/13/2014	11:06	2/13/2014 11:06	49	33	33	9.7	45.0	20.4		612.8	70.10	10860.61
	2/13/2014	11:37	2/13/2014 11:37	49	33	33	9.7	46.0	20.4		632.5	72.36	10932.97
	2/13/2014	12:07	2/13/2014 12:07	49	33	33	9.8	50.0	20.5		613.7	70.21	11003.18
	2/13/2014	12:37	2/13/2014 12:37	49	33	33	9.8	51.0	20.5		615.3	70.39	11073.56
	2/13/2014	13:07	2/13/2014 13:07	49	33	33	9.8	52.0	20.5		614.6	70.32	11143.88
	2/13/2014	14:11	2/13/2014 14:11	49	33	33	9.8	58.0	20.4		1306.6	149.48	11293.36
	2/13/2014	15:09	2/13/2014 15:09	49	33	33	9.8	60.0	20.3		1179.3	134.92	11428.27
	2/13/2014	15:21	2/13/2014 15:21			27					243.8	27.89	11456.16
SW-59 Event 4	12/16/2014	7:45	12/16/2014 7:45		25	25	3.0	52	5.7				11456.16
	12/16/2014	7:57	12/16/2014 7:57		34	31	9.0	56	18.9		147.8	16.91	11473.07
	12/16/2014	10:02	12/16/2014 10:02		34	31	7	72	14.5		2088.7	238.95	11712.02
	12/16/2014	11:19	12/16/2014 11:19		34	31	7	80	14.4		1111.5	127.15	11839.17
	12/16/2014	11:20	12/16/2014 11:20		40	36	14	80	30.5		22.4	2.57	11841.74
	12/16/2014	12:18	12/16/2014 12:18		40	36	11.0	82	23.9		1578.4	180.57	12022.30
	12/16/2014	13:44	12/16/2014 13:44		40	37	10.5	82	22.8		2010.5	230.01	12252.31
	12/16/2014	15:18	12/16/2014 15:18		40	36.5	11.0	79	24.0		2200.8	251.77	12504.08
	12/16/2014	16:45	12/16/2014 16:45		40	36.5	12.0	76	26.2		2185.5	250.02	12754.10
	12/16/2014	16:46	12/16/2014 16:46			30					26.2	3.00	12757.10
SW-59 Event 5	1/5/2015	14:18	1/5/2015 14:18		31	30	0.0	69	0.0				12757.10
	1/5/2015	14:36	1/5/2015 14:36		30	29	0.0	70	0.0		0.0	0.00	12757.10
	1/5/2015	14:37	1/5/2015 14:37		36	35	<2	70	0.0		0.0	0.00	12757.10
	1/5/2015	15:52	1/5/2015 15:52		36	35	<2	72	0.0		0.0	0.00	12757.10
	1/5/2015	17:07	1/5/2015 17:07		37	35	3.0	64	6.5		242.0	27.68	12784.78
	1/5/2015	17:08	1/5/2015 17:08			32					6.5	0.74	12785.52
SW-59 Event 5	2/17/2015	7:43	2/17/2015 7:43		32	32	0	66	0.0				12785.52
	2/17/2015	8:19	2/17/2015 8:19		32	29.5	0	66	0.0		0.0	0.00	12785.52
	2/17/2015	8:20	2/17/2015 8:20		38	37	6	66	13.0		6.5	0.74	12786.26
	2/17/2015	9:58	2/17/2015 9:58		39	37	6	61	13.2		1283.9	146.88	12933.14
	2/17/2015	13:01	2/17/2015 13:01		39	37	7	57	15.5		2621.8	299.94	13233.08
	2/17/2015	14:45	2/17/2015 14:45		39	37	7	56	15.5		1608.4	184.00	13417.08
	2/17/2015	16:59	2/17/2015 16:59		39	37	7.5	54	16.6		2149.8	245.93	13663.01
	2/17/2015	17:00	2/17/2015 17:00			31					16.6	1.90	13664.91
SW-59 Event 6	2/24/2015	8:02	2/24/2015 8:02		28	29	5	54	9.9				13664.91
	2/24/2015	8:28	2/24/2015 8:28		28	29	5	55	9.8		256.1	29.30	13694.21
	2/24/2015	8:29	2/24/2015 8:29		36	35	11	55	23.6		16.7	1.92	13696.13
	2/24/2015	10:30	2/24/2015 10:30		37	36	9.5	55	20.6		2677.5	306.31	14002.43
	2/24/2015	12:50	2/24/2015 12:50		37	36	9.5	53	20.7		2889.5	330.56	14333.00
	2/24/2015	14:50	2/24/2015 14:50		37	36	9.5	54	20.6		2478.0	283.48	14616.48
	2/24/2015	15:56	2/24/2015 15:56		37	36	9.5	56	20.6		1360.8	155.68	14772.16
	2/24/2015	17:09	2/24/2015 17:09		36	35	8.5	56	18.2		1417.8	162.20	14934.35
	2/24/2015	17:10	2/24/2015 17:10			31					18.2	2.09	14936.44
SW-59 Event 7	3/2/2015	7:53	3/2/2015 7:53		29	28	0	59	0.0				14936.44
	3/2/2015	8:18	3/2/2015 8:18		28	27	4	60	7.8		98.0	11.21	14947.65
	3/2/2015	8:19	3/2/2015 8:19		36	34	8.5	60	18.2		13.0	1.49	14949.14
	3/2/2015	10:01	3/2/2015 10:01		36	33	8.5	64	18.1		1850.0	211.64	15160.78

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/2/2015	10:02	3/2/2015 10:02		40	36	13	64	28.8		23.4	2.68	15163.46
	3/2/2015	11:26	3/2/2015 11:26		40	36.5	12.5	68	27.6		2366.0	270.67	15434.13
	3/2/2015	12:30	3/2/2015 12:30		40	36.6	12.5	72	27.4		1760.3	201.37	15635.50
	3/2/2015	12:30	3/2/2015 12:30		40	36.5	12.5	81	27.2		0.0	0.00	15635.50
	3/2/2015	17:16	3/2/2015 17:16		40	36.5	12.5	78	27.3		7793.5	891.57	16527.08
	3/2/2015	17:17	3/2/2015 17:17			30					27.3	3.12	16530.20
Total CO ₂ Mass (lbs):												16530.20	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-60 Event 1	11/20/2013	9:10	11/20/2013 9:10			10			0.0				
	11/20/2013	9:11	11/20/2013 9:11	55	32	30	<2	64	0.0		0.0	0.00	0.00
	11/20/2013	9:16	11/20/2013 9:16						0.0		0.0	0.00	0.00
	11/20/2013	9:45	11/20/2013 9:45	55	32	30	<2	64	0.0		0.0	0.00	0.00
	11/20/2013	10:48	11/20/2013 10:48	53	33	29.5	<2	66	0.0		0.0	0.00	0.00
	11/20/2013	10:51	11/20/2013 10:51	53	34	31.5	<2	66	0.0		0.0	0.00	0.00
	11/20/2013	12:36	11/20/2013 12:36	52	34	31	4	65	8.3		437.7	50.07	50.07
	11/20/2013	14:37	11/20/2013 14:37	50	33	30.5	6.5	64	13.4		1316.3	150.58	200.66
	11/20/2013	14:41	11/20/2013 14:41	50	34	31.5	7.25	63.0	15.1		57.1	6.53	207.19
	11/20/2013	15:23	11/20/2013 15:23	57.5	34	31	9	62.0	18.8		713.1	81.58	288.77
	11/20/2013	15:24	11/20/2013 15:24								18.8	2.15	290.92
	11/20/2013	15:24	11/20/2013 15:24			17							290.92
SW-60 Event 2	11/23/2013	8:10	11/23/2013 8:10	54	27			70	0.0				290.92
	11/23/2013	8:13	11/23/2013 8:13	55	31	30	<2	70	0.0		0.0	0.00	290.92
	11/23/2013	8:43	11/23/2013 8:43	52	30	29	<2	76	0.0		0.0	0.00	290.92
	11/23/2013	8:45	11/23/2013 8:45	52	33	31.5	4	76	8.2		8.2	0.93	291.86
	11/23/2013	9:18	11/23/2013 9:18	50	33	31.5	5.5	78	11.2		319.5	36.55	328.40
	11/23/2013	9:20	11/23/2013 9:20	50	36	35	8	78	16.8		28.0	3.20	331.61
	11/23/2013	9:49	11/23/2013 9:49	49	36	34	10	80	21.0		547.6	62.65	394.26
	11/23/2013	11:07	11/23/2013 11:07	46	36	32.5	14	82	29.3		1960.1	224.24	618.50
	11/23/2013	12:27	11/23/2013 12:27	45	34	31	17	82	34.9		2565.9	293.54	912.03
	11/23/2013	12:49	11/23/2013 12:49	53	34	30	18	84	36.8		788.5	90.21	1002.24
	11/23/2013	12:50	11/23/2013 12:50								36.8	4.21	1006.46
	11/23/2013	12:51	11/23/2013 12:51										1006.46
SW-60 Event 3	11/26/2013	7:42	11/26/2013 7:42	50	27			68	0.0				1006.46
	11/26/2013	7:44	11/26/2013 7:44		31	30	<2	68	0.0		0.0	0.00	1006.46
	11/26/2013	7:55	11/26/2013 7:55		31	29	4	68	8.0		44.3	5.06	1011.52
	11/26/2013	7:56	11/26/2013 7:56		36	33	6.5	68	13.8		10.9	1.25	1012.77
	11/26/2013	8:19	11/26/2013 8:19	52	35	32	9	68	18.9		375.9	43.00	1055.77
	11/26/2013	9:23	11/26/2013 9:23		35	31	13	68	27.3		1478.2	169.11	1224.88
	11/26/2013	10:55	11/26/2013 10:55	50	33	30	16	68	32.9		2769.2	316.79	1541.67
	11/26/2013	12:28	11/26/2013 12:28		33	29	18	68	37.0		3251.2	371.93	1913.60
	11/26/2013	12:29	11/26/2013 12:29								37.0	4.23	1917.84
		11/26/2013	12:30	11/26/2013 12:30			20						
SW-60 Event 4	12/3/2013	13:25	12/3/2013 13:25	54	34	32.5	<2	84	0.0				1917.84
	12/3/2013	13:42	12/3/2013 13:42	47	32	30.5	6.5	82	13.0		110.9	12.69	1930.52
	12/3/2013	14:47	12/3/2013 14:47	46	31	28.5	12.5	77	24.9		1234.3	141.20	2071.73
	12/3/2013	15:28	12/3/2013 15:28	45	31	28	13.75	73	27.5		1075.5	123.04	2194.77
	12/3/2013	15:30	12/3/2013 15:30	44	32.5	29.5	16	73	32.6		60.1	6.88	2201.65
	12/3/2013	15:33	12/3/2013 15:33	44	35	30.5	17.5	73	36.6		103.7	11.86	2213.51
	12/3/2013	16:56	12/3/2013 16:56	45	35	29.5	20	66	42.1		3263.7	373.37	2586.88
	12/3/2013	17:21	12/3/2013 17:21	49	35	29	20	65	42.1		1052.5	120.40	2707.29
	12/3/2013	17:23	12/3/2013 17:23								84.2	9.64	2716.92
		12/3/2013	17:24	12/3/2013 17:24			19						
SW-60 Event 5	12/6/2013	8:08	12/6/2013 8:08	52	28	27.5	<2	70	0.0				2716.92
	12/6/2013	8:09	12/6/2013 8:09		33		<2	70	0.0		0.0	0.00	2716.92
	12/6/2013	9:10	12/6/2013 9:10	42	32.0	29.5	12	76	24.2		738.8	84.52	2801.44
	12/6/2013	9:12	12/6/2013 9:12	42	32.5	30.5	14	76	28.4		52.6	6.02	2807.46
	12/6/2013	10:00	12/6/2013 10:00	40	32.5	29.5	16	78	32.4		1459.8	167.00	2974.46
	12/6/2013	10:02	12/6/2013 10:02	40	34.0	31	17	78	35.0		67.4	7.71	2982.17
	12/6/2013	11:06	12/6/2013 11:06	37.5	33.0	30	18.5	80	37.6		2322.9	265.74	3247.91

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/6/2013	11:08	12/6/2013 11:08	37.5	34	30.5	20	80	41.1		78.7	9.00	3256.91
	12/6/2013	12:15	12/6/2013 12:15	40	35	30.5	22.5	79	46.7		2942.1	336.57	3593.48
	12/6/2013	12:16	12/6/2013 12:16	40	35	30.5	22.5	79	46.7		46.7	5.35	3598.83
	12/6/2013	12:17	12/6/2013 12:17			20							3598.83
SW-60 Event 6	12/9/2013	12:30	12/9/2013 12:30	50	32	33	<2	84	0.0				3598.83
	12/9/2013	12:58	12/9/2013 12:58	50	32	30	6	88	12.0		167.6	19.18	3618.01
	12/9/2013	13:29	12/9/2013 13:29	57.5	30	30	10.5	87	20.5		503.6	57.61	3675.61
	12/9/2013	14:00	12/9/2013 14:00	45	30	30	12	85	23.5		682.0	78.03	3753.64
	12/9/2013	14:27	12/9/2013 14:27	45	30	29	13	82	25.5		661.6	75.69	3829.33
	12/9/2013	15:15	12/9/2013 15:15	46	29	29.5	13.5	77	26.3		1244.2	142.34	3971.67
	12/9/2013	15:17	12/9/2013 15:17	46	32	30.5	15.5	77	31.3		57.6	6.59	3978.25
	12/9/2013	16:04	12/9/2013 16:04	42	32	30	15.5	72	31.4		1472.7	168.48	4146.73
	12/9/2013	16:05	12/9/2013 16:05	42	34	31	15.5	72	32.1		31.7	3.63	4150.36
	12/9/2013	16:40	12/9/2013 16:40	44	34	32	15.5	70	32.1		1124.1	128.60	4278.96
	12/9/2013	17:21	12/9/2013 17:21	45	32.5	32	16	68	32.7		1329.9	152.15	4431.11
	12/9/2013	17:22	12/9/2013 17:22								32.7	3.74	4434.85
	12/9/2013	17:23	12/9/2013 17:23			19							4434.85
SW-60 Event 7	12/12/2013	8:19	12/12/2013 8:19	50	35	32	7.5	58	15.9				4434.85
	12/12/2013	9:31	12/12/2013 9:31	50	34	29	10	67	20.8		1321.5	151.18	4586.03
	12/12/2013	9:32	12/12/2013 9:32	50	35	30	12	67	25.2		23.0	2.63	4588.66
	12/12/2013	10:20	12/12/2013 10:20	45	30	30	13.5	68	26.9		1250.0	143.00	4731.66
	12/12/2013	11:07	12/12/2013 11:07	41	30	29.5	13.5	70	26.8		1261.2	144.29	4875.95
	12/12/2013	11:08	12/12/2013 11:08	42	30	30.5	16	70	31.8		29.3	3.35	4879.30
	12/12/2013	12:10	12/12/2013 12:10	40	30	30.5	15.5	70	30.8		1939.2	221.84	5101.14
	12/12/2013	12:19	12/12/2013 12:19								277.0	31.69	5132.83
	12/12/2013	12:20	12/12/2013 12:20			19							5132.83
SW-60 Event 8	12/16/2013	12:13	12/16/2013 12:13	47	26	31	<2	68	0.0				5132.83
	12/16/2013	12:45	12/16/2013 12:45	47.5	25	26	<2	68	0.0		0.0	0.00	5132.83
	12/16/2013	12:47	12/16/2013 12:47	47	29	30	4.5	68	8.9		8.9	1.01	5133.84
	12/16/2013	13:19	12/16/2013 13:19		29		8	70	15.7		392.9	44.95	5178.79
	12/16/2013	13:20	12/16/2013 13:20								15.7	1.80	5180.58
	12/16/2013	14:51	12/16/2013 14:51	43	31	32	5	75	10.0		909.3	104.03	5284.61
	12/16/2013	15:48	12/16/2013 15:48	42	34	27	15.5	69	32.2		1201.9	137.50	5422.11
	12/16/2013	15:50	12/16/2013 15:50	42	35	28.5	18	69	37.8		69.9	8.00	5430.11
	12/16/2013	16:48	12/16/2013 16:48	40	30	28	17.5	64	35.0		2108.8	241.24	5671.35
	12/16/2013	17:35	12/16/2013 17:35	42	30	28	18	56	36.2		1673.2	191.42	5862.77
	12/16/2013	17:36	12/16/2013 17:36								36.2	4.15	5866.91
	12/16/2013	17:37	12/16/2013 17:37		20								5866.91
SW-60 Event 9	1/10/2014	8:40	1/10/2014 8:40	55	25	23	<2	66	0.0				5866.91
	1/10/2014	8:41	1/10/2014 8:41	55	32	31.5	<2	66	0.0		0.0	0.00	5866.91
	1/10/2014	9:30	1/10/2014 9:30	50	31	28	8	66	16.1		395.2	45.21	5912.12
	1/10/2014	9:41	1/10/2014 9:41	45	33	31	11	66	22.7		213.4	24.41	5936.53
	1/10/2014	10:35	1/10/2014 10:35	42	33	31	12	70	24.6		1276.9	146.08	6082.61
	1/10/2014	12:24	1/10/2014 12:24	40	33	31	13	72	26.6		2793.5	319.58	6402.19
	1/10/2014	13:12	1/10/2014 13:12	44	32	30	14	68	28.5		1322.6	151.31	6553.50
	1/10/2014	13:14	1/10/2014 13:14								57.0	6.52	6560.02
	1/10/2014	13:16	1/10/2014 13:16			19							6560.02
SW-60 Event 10	1/22/2014	9:20	1/22/2014 9:20	49	28	27	<2	48	0.0				6560.02
	1/22/2014	9:21	1/22/2014 9:21	49	34	32	<2	48	0.0		0.0	0.00	6560.02
	1/22/2014	9:27	1/22/2014 9:27	48	33	31	2	48	4.2		12.6	1.44	6561.46
	1/22/2014	9:30	1/22/2014 9:30	48	33	31	3.5	48	7.3		17.3	1.98	6563.44

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/22/2014	10:00	1/22/2014 10:00	45	32	30	7.2	51	14.9		333.6	38.17	6601.60
	1/22/2014	11:09	1/22/2014 11:09	43	33	30	13.8	54	28.8		1506.8	172.38	6773.98
	1/22/2014	12:14	1/22/2014 12:14	39	33	30	14	56	29.1		1882.2	215.32	6989.31
	1/22/2014	13:00	1/22/2014 13:00	43	33	30	14	59	29.0		1338.2	153.09	7142.40
	1/22/2014	14:20	1/22/2014 14:20	41	31	30	17.3	60	35.1		2565.4	293.48	7435.88
	1/22/2014	14:21	1/22/2014 14:21			20					35.1	4.01	7439.89
SW-60 Event 11	1/23/2014	8:36	1/23/2014 8:36	50	32	30	<2	39	0.0		0.0	0.00	7439.89
	1/23/2014	8:38	1/23/2014 8:38	50	33	31	<2	39	0.0		0.0	0.00	7439.89
	1/23/2014	9:08	1/23/2014 9:08	48	32	29	4.5	45	9.4		140.5	16.08	7455.97
	1/23/2014	9:09	1/23/2014 9:09	48	34	31.5	7	45	14.9		12.1	1.39	7457.36
	1/23/2014	9:56	1/23/2014 9:56	47	34	30	11.5	48	24.4		922.9	105.58	7562.94
	1/23/2014	11:00	1/23/2014 11:00	42.5	33	29	14	52	29.3		1716.4	196.36	7759.30
	1/23/2014	11:04	1/23/2014 11:04	42.5	35	31.2	16.5	52	35.2		128.9	14.75	7774.05
	1/23/2014	11:51	1/23/2014 11:51	40	35	31	17.7	54	37.7		1713.0	195.97	7970.02
	1/23/2014	12:39	1/23/2014 12:39	44	35	31.5	17.2	60	36.4		1778.2	203.43	8173.45
	1/23/2014	13:18	1/23/2014 13:18	47	35	31.5	17.2	60	36.4		1419.8	162.42	8335.87
	1/23/2014	13:19	1/23/2014 13:19			20					36.4	4.16	8340.04
SW-60 Event 12	1/24/2014	7:32	1/24/2014 7:32	60	30	27	<2	37	0.0			0.00	8340.04
	1/24/2014	7:33	1/24/2014 7:33	60	33	31	<2	37	0.0		0.0	0.00	8340.04
	1/24/2014	8:04	1/24/2014 8:04	50	31	28.2	4.5	40	9.3		144.4	16.52	8356.55
	1/24/2014	8:05	1/24/2014 8:05	50	32	30.8	7	40	14.6		12.0	1.37	8357.92
	1/24/2014	8:21	1/24/2014 8:21	50	32	30.2	9.5	42	19.8		275.9	31.57	8389.49
	1/24/2014	8:39	1/24/2014 8:39	49	32	29.5	11.2	45	23.3		388.4	44.44	8433.93
	1/24/2014	8:41	1/24/2014 8:41	49	34.0	31	13.5	45	28.7		52.0	5.95	8439.88
	1/24/2014	9:03	1/24/2014 9:03	48	33.5	30.5	14.2	47	30.0		645.7	73.86	8513.74
	1/24/2014	9:37	1/24/2014 9:37	49	33.5	30	16	48	33.7		1083.4	123.94	8637.69
	1/24/2014	10:36	1/24/2014 10:36	48	33.5	30	15.5	54	32.5		1954.2	223.56	8861.24
	1/24/2014	11:41	1/24/2014 11:41	48	33.5	30	15.8	57	33.0		2129.3	243.59	9104.84
	1/24/2014	12:05	1/24/2014 12:05	55	32.5	29.5	16	58	33.1		792.9	90.71	9195.55
	1/24/2014	12:06	1/24/2014 12:06			18					33.1	3.78	9199.33
SW-60 Event 13	12/16/2014	7:48	12/16/2014 7:48		24	24	0	50	0.0			0.00	9199.33
	12/16/2014	8:02	12/16/2014 8:02		28	32	0	64	0.0		0.0	0.00	9199.33
	12/16/2014	9:52	12/16/2014 9:52		29	32	0	74	0.0		0.0	0.00	9199.33
	12/16/2014	11:26	12/16/2014 11:26		29	31	0	80	0.0		0.0	0.00	9199.33
	12/16/2014	11:27	12/16/2014 11:27		33	33	0	80	0.0		0.0	0.00	9199.33
	12/16/2014	12:30	12/16/2014 12:30		30	34	0	80	0.0		0.0	0.00	9199.33
	12/16/2014	13:42	12/16/2014 13:42		30	33	0	85	0.0		0.0	0.00	9199.33
	12/16/2014	14:48	12/16/2014 14:48		30	33	0	82	0.0		0.0	0.00	9199.33
	12/16/2014	16:42	12/16/2014 16:42		30	33	0	77	0.0		0.0	0.00	9199.33
	12/16/2014	16:43	12/16/2014 16:43			30					0.0	0.00	9199.33
SW-60 Event 14	2/4/2015	7:42	2/4/2015 7:42		28	30	0	50	0.0			0.00	9199.33
	2/4/2015	8:22	2/4/2015 8:22		29	29.5	0	51	0.0		0.0	0.00	9199.33
	2/4/2015	8:23	2/4/2015 8:23		34	32	0	51	0.0		0.0	0.00	9199.33
	2/4/2015	9:30	2/4/2015 9:30		31	32	0	54	0.0		0.0	0.00	9199.33
	2/4/2015	9:31	2/4/2015 9:31		34	35	0	54	0.0		0.0	0.00	9199.33
	2/4/2015	12:00	2/4/2015 12:00		34	34	0	62	0.0		0.0	0.00	9199.33
	2/4/2015	12:01	2/4/2015 12:01		35	36	0	62	0.0		0.0	0.00	9199.33
	2/4/2015	13:31	2/4/2015 13:31		35	36	0	62	0.0		0.0	0.00	9199.33
	2/4/2015	15:03	2/4/2015 15:03		35	36	0	60	0.0		0.0	0.00	9199.33
	2/4/2015	15:57	2/4/2015 15:57		35	36	0	57	0.0		0.0	0.00	9199.33
	2/4/2015	16:47	2/4/2015 16:47		36	35.5	0	57	0.0		0.0	0.00	9199.33

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/4/2015	16:48	2/4/2015 16:48			28			0.0		0.0	0.00	9199.33
SW-60 Event 15	2/5/2015	8:00	2/5/2015 8:00		28	25	0	52	0.0		0.0	0.00	9199.33
	2/5/2015	8:44	2/5/2015 8:44		20	20	0	54	0.0		0.0	0.00	9199.33
	2/5/2015	8:45	2/5/2015 8:45		35	36	0	54	0.0		0.0	0.00	9199.33
	2/5/2015	9:57	2/5/2015 9:57		35	36	0	58	0.0		0.0	0.00	9199.33
	2/5/2015	11:30	2/5/2015 11:30		35	36	0	64	0.0		0.0	0.00	9199.33
	2/5/2015	12:27	2/5/2015 12:27		35	35.5	0	70	0.0		0.0	0.00	9199.33
	2/5/2015	13:22	2/5/2015 13:22		35	35.5	0	77	0.0		0.0	0.00	9199.33
	2/5/2015	14:54	2/5/2015 14:54		35	35.5	0	77	0.0		0.0	0.00	9199.33
	2/5/2015	15:53	2/5/2015 15:53		35	35.5	0	77	0.0		0.0	0.00	9199.33
	2/5/2015	17:15	2/5/2015 17:15		34	35	0	67	0.0		0.0	0.00	9199.33
	2/5/2015	17:16	2/5/2015 17:16			31			0.0		0.0	0.00	9199.33
SW-60 Event 16	2/10/2015	7:46	2/10/2015 7:46		29	30	0	57	0.0		0.0	0.00	9199.33
	2/10/2015	8:35	2/10/2015 8:35		28	30	0	57	0.0		0.0	0.00	9199.33
	2/10/2015	8:35	2/10/2015 8:35		32	33.5	0	57	0.0		0.0	0.00	9199.33
	2/10/2015	10:46	2/10/2015 10:46		32	33.5	0	62	0.0		0.0	0.00	9199.33
	2/10/2015	12:09	2/10/2015 12:09		32	33.5	0	66	0.0		0.0	0.00	9199.33
	2/10/2015	14:06	2/10/2015 14:06		32	33	0	67	0.0		0.0	0.00	9199.33
	2/10/2015	16:02	2/10/2015 16:02		32	33	0	67	0.0		0.0	0.00	9199.33
	2/10/2015	17:04	2/10/2015 17:04		32	33	0	69	0.0		0.0	0.00	9199.33
	2/11/2015	7:28	2/11/2015 7:28		32	32	0	42	0.0		0.0	0.00	9199.33
	2/11/2015	8:12	2/11/2015 8:12		32	32.5	0	52	0.0		0.0	0.00	9199.33
	2/11/2015	9:31	2/11/2015 9:31		32	32.5	0	66	0.0		0.0	0.00	9199.33
	2/11/2015	9:32	2/11/2015 9:32		34	34	0	66	0.0		0.0	0.00	9199.33
	2/11/2015	11:44	2/11/2015 11:44		34	34	0	76	0.0		0.0	0.00	9199.33
	2/11/2015	13:06	2/11/2015 13:06		34	34	0	76	0.0		0.0	0.00	9199.33
	2/11/2015	13:44	2/11/2015 13:44		34	34	0	78	0.0		0.0	0.00	9199.33
	2/11/2015	14:59	2/11/2015 14:59		34	34	0	80	0.0		0.0	0.00	9199.33
	2/11/2015	16:18	2/11/2015 16:18		34	34	0	78	0.0		0.0	0.00	9199.33
	2/11/2015	17:18	2/11/2015 17:18		34	34	0	74	0.0		0.0	0.00	9199.33
	2/12/2015	7:33	2/12/2015 7:33		34	34	0	48	0.0		0.0	0.00	9199.33
	2/12/2015	8:13	2/12/2015 8:13		34	34	0	57	0.0		0.0	0.00	9199.33
	2/12/2015	9:32	2/12/2015 9:32		34	34	0	60	0.0		0.0	0.00	9199.33
	2/12/2015	11:38	2/12/2015 11:38		34	34	0	77	0.0		0.0	0.00	9199.33
	2/12/2015	14:13	2/12/2015 14:13		34	34	0	77	0.0		0.0	0.00	9199.33
	2/12/2015	15:46	2/12/2015 15:46		34	34	0	81	0.0		0.0	0.00	9199.33
	2/12/2015	17:09	2/12/2015 17:09		34	33.5	0	76	0.0		0.0	0.00	9199.33
	2/13/2015	7:38	2/13/2015 7:38		34	33.5	<2	37	0.0		0.0	0.00	9199.33
	2/13/2015	8:09	2/13/2015 8:09		34	33.5	<2	45	0.0		0.0	0.00	9199.33
	2/13/2015	9:22	2/13/2015 9:22		34	33.5	<2	56	0.0		0.0	0.00	9199.33
	2/13/2015	9:23	2/13/2015 9:23		35	35	3	56	6.4		3.2	0.36	9199.69
	2/13/2015	10:40	2/13/2015 10:40		34	35	3.5	60	7.3		527.7	60.37	9260.06
	2/13/2015	10:58	2/13/2015 10:58		35	35	3.5	60	7.4		132.7	15.18	9275.24
	2/13/2015	10:59	2/13/2015 10:59			27					7.4	0.85	9276.09
SW-60 Event 17	2/16/2015	12:35	2/16/2015 12:35		30	30	0	74	0.0		0.0	0.00	9276.09
	2/16/2015	13:09	2/16/2015 13:09		30	30	0	74	0.0		0.0	0.00	9276.09
	2/16/2015	13:10	2/16/2015 13:10		35	35	0	74	0.0		0.0	0.00	9276.09
	2/16/2015	14:16	2/16/2015 14:16		35	35	0	74	0.0		0.0	0.00	9276.09
	2/16/2015	17:13	2/16/2015 17:13		35	35	0	68	0.0		0.0	0.00	9276.09
	2/17/2015	7:50	2/17/2015 7:50		34	34	<2	65	0.0		0.0	0.00	9276.09
	2/17/2015	8:26	2/17/2015 8:26		34	34	<2	66	0.0		0.0	0.00	9276.09

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/17/2015	8:27	2/17/2015 8:27		35	35	<2	66	0.0		0.0	0.00	9276.09
	2/17/2015	9:56	2/17/2015 9:56		35	35	<2	62	0.0		0.0	0.00	9276.09
	2/17/2015	13:04	2/17/2015 13:04		36	35	3	60	6.4		602.9	68.98	9345.06
	2/17/2015	14:45	2/17/2015 14:45		36	35	3	56	6.4		649.1	74.26	9419.32
	2/17/2015	17:32	2/17/2015 17:32		34	33.5	4	50	8.5		1244.5	142.37	9561.70
	2/17/2015	17:33	2/17/2015 17:33		36	35	4	50	8.6		8.6	0.98	9562.67
	2/18/2015	8:07	2/18/2015 8:07		36	35	6	48	13.0		9450.3	1081.11	10643.78
	2/18/2015	8:48	2/18/2015 8:48		36	35	6	52	12.9		531.3	60.78	10704.57
	2/18/2015	10:49	2/18/2015 10:49		36	35	6	64	12.8		1555.5	177.94	10882.51
	2/18/2015	12:04	2/18/2015 12:04		36	35	6	67	12.7		956.9	109.47	10991.98
	2/18/2015	14:36	2/18/2015 14:36		36	35	6	70	12.7		1933.5	221.19	11213.17
	2/18/2015	15:46	2/18/2015 15:46		36	35	6	70	12.7		889.1	101.72	11314.89
	2/18/2015	17:21	2/18/2015 17:21		36	35	6.5	66	13.8		1259.5	144.09	11458.98
	2/19/2015	7:57	2/19/2015 7:57		36	34	8	40	17.5		13697.8	1567.03	13026.01
	2/19/2015	8:43	2/19/2015 8:43		36	34	8	48	17.3		799.8	91.50	13117.51
	2/19/2015	10:37	2/19/2015 10:37		36	35	8	54	17.2		1967.8	225.12	13342.62
	2/19/2015	12:38	2/19/2015 12:38		36	35	8	56	17.2		2080.1	237.97	13580.59
	2/19/2015	13:55	2/19/2015 13:55		36	35	8	56	17.2		1322.4	151.28	13731.87
	2/19/2015	15:45	2/19/2015 15:45		36	35	8	56	17.2		1889.1	216.11	13947.98
	2/19/2015	17:35	2/19/2015 17:35		36	35	8	50	17.3		1894.9	216.78	14164.76
	2/20/2015	7:47	2/20/2015 7:47		35	34	8.5	40	18.4		15183.3	1736.97	15901.73
	2/20/2015	8:14	2/20/2015 8:14		37	35	10	42	22.0		544.8	62.33	15964.06
	2/20/2015	10:22	2/20/2015 10:22		38	36	10	55	21.9		2810.4	321.51	16285.57
	2/20/2015	10:23	2/20/2015 10:23		37	35.5	9	55	19.5		20.7	2.37	16287.94
	2/20/2015	11:52	2/20/2015 11:52		37	35.5	9	57	19.5		1736.7	198.68	16486.62
	2/20/2015	13:37	2/20/2015 13:37		37	35.5	9	60	19.4		2043.7	233.80	16720.42
	2/20/2015	15:52	2/20/2015 15:52		37	35	10	60	21.6		2769.5	316.83	17037.25
	2/20/2015	17:06	2/20/2015 17:06		36	35.5	9	53	19.4		1516.0	173.43	17210.68
	2/20/2015	17:07	2/20/2015 17:07			23					19.4	2.22	17212.90
SW-60 Event 18	2/23/2015	7:48	2/23/2015 7:48		33	33	0	64	0.0				17212.90
	2/23/2015	8:36	2/23/2015 8:36		34	33	0	66	0.0		0.0	0.00	17212.90
	2/23/2015	8:37	2/23/2015 8:37		35	35	0	66	0.0		0.0	0.00	17212.90
	2/23/2015	9:38	2/23/2015 9:38		34	35	0	78	0.0		0.0	0.00	17212.90
	2/23/2015	11:38	2/23/2015 11:38		34	35	0	78	0.0		0.0	0.00	17212.90
	2/23/2015	13:46	2/23/2015 13:46		34	34.5	0	72	0.0		0.0	0.00	17212.90
	2/23/2015	15:19	2/23/2015 15:19		34	34.5	0	72	0.0		0.0	0.00	17212.90
	2/23/2015	17:20	2/23/2015 17:20		33	33.5	<2	78	0.0		0.0	0.00	17212.90
	2/24/2015	7:50	2/24/2015 7:50		32	32.5	6	52	12.4		5395.3	617.22	17830.12
	2/24/2015	8:13	2/24/2015 8:13		32	32.5	6.5	53	13.4		297.0	33.98	17864.10
	2/24/2015	8:14	2/24/2015 8:14		34	34	7	53	14.8		14.1	1.61	17865.71
	2/24/2015	10:33	2/24/2015 10:33		35	34	7	53	14.9		2063.3	236.04	18101.75
	2/24/2015	12:44	2/24/2015 12:44		35	34	7	52	14.9		1955.6	223.72	18325.47
	2/24/2015	14:42	2/24/2015 14:42		34	33	7	53	14.8		1752.5	200.48	18525.96
	2/24/2015	14:43	2/24/2015 14:43		36	35	8	53	17.2		16.0	1.83	18527.79
	2/24/2015	15:54	2/24/2015 15:54		36	35	8	56	17.2		1221.2	139.70	18667.49
	2/24/2015	17:07	2/24/2015 17:07		36	35	8	56	17.2		1253.7	143.42	18810.91
	2/25/2015	7:42	2/25/2015 7:42		35	34	8.5	52	18.1		15448.2	1767.27	20578.18
	2/25/2015	7:44	2/25/2015 7:44		36	35	10	52	21.6		39.7	4.54	20582.72
	2/25/2015	8:25	2/25/2015 8:25		36	35	10	56	21.5		881.9	100.89	20683.61
	2/25/2015	10:05	2/25/2015 10:05		37	36	10	60	21.6		2153.1	246.31	20929.93
	2/25/2015	11:21	2/25/2015 11:21		37	36	10	62	21.6		1639.5	187.56	21117.49

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/25/2015	11:22	2/25/2015 11:22			22					21.6	2.47	21119.95
SW-60 Event 19	3/25/2015	8:07	3/25/2015 8:07		32	32	0	68	0.0				21119.95
	3/25/2015	8:27	3/25/2015 8:27		32	32	0	68	0.0		0.0	0.00	21119.95
	3/25/2015	9:14	3/25/2015 9:14		32	31	0	68	0.0		0.0	0.00	21119.95
	3/25/2015	9:15	3/25/2015 9:15		36	35	0	68	0.0		0.0	0.00	21119.95
	3/25/2015	10:14	3/25/2015 10:14		36	35	0	70	0.0		0.0	0.00	21119.95
	3/25/2015	11:18	3/25/2015 11:18		36	34	<2	74	0.0		0.0	0.00	21119.95
	3/25/2015	12:09	3/25/2015 12:09		35	34	<2	75	0.0		0.0	0.00	21119.95
	3/25/2015	12:53	3/25/2015 12:53		35	34	3	78	6.2		137.2	15.70	21135.65
	3/25/2015	13:47	3/25/2015 13:47		35	34	3	80	6.2		336.5	38.50	21174.15
	3/25/2015	14:57	3/25/2015 14:57		35	33.5	3.5	83	7.2		471.4	53.93	21228.08
	3/25/2015	16:16	3/25/2015 16:16		34	33.5	4	93	8.1		606.7	69.40	21297.49
	3/25/2015	17:46	3/25/2015 17:46		35	33.5	4.5	84	9.3		783.9	89.67	21387.16
	3/26/2015	7:52	3/26/2015 7:52		34	32.5	7	66	14.6		10101.1	1155.56	22542.72
	3/26/2015	8:10	3/26/2015 8:10		34	32.5	7	66	14.6		262.4	30.01	22572.74
	3/26/2015	8:11	3/26/2015 8:11		36	34	8	66	17.0		15.8	1.81	22574.54
	3/26/2015	9:00	3/26/2015 9:00		36	34	8.5	68	18.0		858.3	98.19	22672.73
	3/26/2015	10:06	3/26/2015 10:06		36	34	8.5	76	17.9		1185.3	135.60	22808.33
	3/26/2015	10:54	3/26/2015 10:54		36	34	8.5	85	17.7		855.0	97.81	22906.14
	3/26/2015	11:52	3/26/2015 11:52		36	34	8.5	87	17.7		1027.7	117.56	23023.70
	3/26/2015	12:49	3/26/2015 12:49		36	34	8.5	85	17.7		1009.9	115.54	23139.24
	3/26/2015	14:36	3/26/2015 14:36		36	34	8.5	83	17.8		1899.5	217.30	23356.54
	3/26/2015	15:45	3/26/2015 15:45		36	34	8.5	90	17.7		1222.0	139.80	23496.33
	3/26/2015	16:42	3/26/2015 16:42		36	34	8.5	86	17.7		1008.0	115.32	23611.65
	3/26/2015	17:55	3/26/2015 17:55		36	34	8.5	84	17.8		1294.7	148.11	23759.76
	3/27/2015	7:50	3/27/2015 7:50		35	33	9.5	67	20.0		15747.8	1801.55	25561.31
	3/27/2015	7:54	3/27/2015 7:54			16					79.9	9.14	25570.44
Total CO ₂ Mass (lbs):												25570.44	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-61 Event 1	11/21/2013	9:58	11/21/2013 9:58	50	28				0.0				
	11/21/2013	10:00	11/21/2013 10:00	54	32	33.2	<2	72	0.0		0.0	0.00	0.00
	11/21/2013	10:45	11/21/2013 10:45	50	28	27.5	13	72	25.2		566.4	64.80	64.80
	11/21/2013	10:46	11/21/2013 10:46	49	30	30	16	72	31.7		28.4	3.25	68.05
	11/21/2013	11:45	11/21/2013 11:45	47.5	30	28.4	17.9	72	35.5		1982.1	226.75	294.80
	11/21/2013	11:48	11/21/2013 11:48	47.5	32	29.2	19.2	72	38.9		111.6	12.76	307.56
	11/21/2013	13:05	11/21/2013 13:05	45	32	28.4	20.0	74	40.5		3055.3	349.53	657.09
	11/21/2013	13:06	11/21/2013 13:06	45	34	30.4	23.0	74	47.5		44.0	5.03	662.12
	11/21/2013	14:25	11/21/2013 14:25	55	34	29.8	24	74	49.6		3835.6	438.79	1100.91
	11/21/2013	14:28	11/21/2013 14:28		36	30.6	25.8	74	54.4		156.0	17.84	1118.76
	11/21/2013	14:38	11/21/2013 14:38		36		26	74	54.8		546.2	62.48	1181.24
	11/21/2013	14:39	11/21/2013 14:39			19.6							
SW-61 Event 2	11/23/2013	8:16	11/23/2013 8:16	53	27			70					1181.24
	11/23/2013	8:17	11/23/2013 8:17	54	30	31.5	<2	70	0.0		0.0	0.00	1181.24
	11/23/2013	8:47	11/23/2013 8:47	52	28	27.5	14	77	27.0		404.7	46.30	1227.53
	11/23/2013	8:48	11/23/2013 8:48	51	31	30	18	77	35.9		31.4	3.60	1231.13
	11/23/2013	9:22	11/23/2013 9:22	50	30	29.5	19.5	78	38.4		1263.6	144.55	1375.69
	11/23/2013	9:50	11/23/2013 9:50	49	30	29	20	80	39.3		1088.6	124.54	1500.23
	11/23/2013	11:08	11/23/2013 11:08	46	30	28	21	82	41.2		3141.7	359.41	1859.64
	11/23/2013	12:29	11/23/2013 12:29	45	29	27	22	82	42.7		3398.6	388.80	2248.44
	11/23/2013	12:53	11/23/2013 12:53	55	29	26	23	85	44.5		1046.4	119.71	2368.15
	11/23/2013	12:54	11/23/2013 12:54								44.5	5.09	2373.24
	11/23/2013	12:55	11/23/2013 12:55										2373.24
	SW-61 Event 3	11/26/2013	7:40	11/26/2013 7:40	54	28			68				
11/26/2013		7:43	11/26/2013 7:43	55	31	32	4.0	68	8.0		24.1	2.76	2376.00
11/26/2013		7:45	11/26/2013 7:45		30	28.5	12.0	68	23.9		31.9	3.65	2379.66
11/26/2013		7:46	11/26/2013 7:46		31	30	15.0	68	30.2		27.0	3.09	2382.75
11/26/2013		7:54	11/26/2013 7:54		30	29.5	16.0	68	31.8		248.1	28.38	2411.13
11/26/2013		8:22	11/26/2013 8:22		30	28.5	18.0	68	35.8		947.1	108.35	2519.48
11/26/2013		9:21	11/26/2013 9:21		32	27.5	19.5	68	39.7		2226.8	254.75	2774.22
11/26/2013		10:54	11/26/2013 10:54		32	27	20.5	68	41.7		3784.0	432.89	3207.11
11/26/2013		12:27	11/26/2013 12:27		32	26	22.0	70	44.7		4016.4	459.48	3666.59
11/26/2013		12:28	11/26/2013 12:28								44.7	5.11	3671.70
11/26/2013		12:29	11/26/2013 12:29										3671.70
SW-61 Event 4	12/3/2013	8:37	12/3/2013 8:37										3671.70
	12/3/2013	8:38	12/3/2013 8:38	55	26	27	<2	64	0.0		0.0	0.00	3671.70
	12/3/2013	8:40	12/3/2013 8:40	55	30	28	6	64	12.0		12.0	1.37	3673.07
	12/3/2013	8:45	12/3/2013 8:45	54	28	27	12	65	23.4		88.5	10.12	3683.19
	12/3/2013	9:10	12/3/2013 9:10	50	28	26	14	68	27.2		632.7	72.38	3755.57
	12/3/2013	9:12	12/3/2013 9:12	50	32	28.5	18	68	36.6		63.8	7.30	3762.87
	12/3/2013	9:56	12/3/2013 9:56	50	32	27.5	20	66	40.8		1702.5	194.77	3957.64
	12/3/2013	9:57	12/3/2013 9:57	50	34	28.5	21.5	66	44.8		42.8	4.89	3962.53
	12/3/2013	11:25	12/3/2013 11:25	47.5	32	26	25	68	50.9		4207.7	481.36	4443.89
	12/3/2013	11:27	12/3/2013 11:27	47.5	32.5	27	26.25	68	53.7		104.6	11.96	4455.85
	12/3/2013	12:19	12/3/2013 12:19	46	33	26	28	73	57.3		2885.8	330.13	4785.98
	12/3/2013	12:45	12/3/2013 12:45	46	33	26	28.5	76	58.2		1500.9	171.70	4957.68
	12/3/2013	12:46	12/3/2013 12:46				18				58.2	6.65	4964.33
SW-61 Event 5	12/6/2013	13:02	12/6/2013 13:02	45	31	32.5	11	88	20.7				4964.33
	12/6/2013	13:57	12/6/2013 13:57	44	30	29	18	88	35.1		1536.1	175.73	5140.06
	12/6/2013	13:58	12/6/2013 13:58	44	33	31	21	88	42.4		38.7	4.43	5144.50
	12/6/2013	14:22	12/6/2013 14:22	44	32	29	23	83	46.1		1061.7	121.46	5265.96

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/6/2013	14:23	12/6/2013 14:23	44	35	31	26	83	53.8		50.0	5.72	5271.68
	12/6/2013	15:22	12/6/2013 15:22	42	34	28	29	78	59.7		3347.9	383.00	5654.68
	12/6/2013	17:44	12/6/2013 17:44	50	35	27	32	69	67.1		9003.5	1030.00	6684.67
	12/6/2013	17:45	12/6/2013 17:45								67.1	7.68	6692.35
	12/6/2013	17:46	12/6/2013 17:46			19							6692.35
SW-61 Event 6	12/9/2013	8:04	12/9/2013 8:04						0.0				6692.35
	12/9/2013	8:05	12/9/2013 8:05	54	32.5	34	<2	62	0.0		0.0	0.00	6692.35
	12/9/2013	8:11	12/9/2013 8:11	54	32.5	32	5	62	10.3		30.9	3.53	6695.88
	12/9/2013	8:30	12/9/2013 8:30	54	32	31.5	8	62	16.4		253.3	28.97	6724.86
	12/9/2013	9:05	12/9/2013 9:05	50	32	31	10	64	20.4		643.9	73.67	6798.52
	12/9/2013	9:35	12/9/2013 9:35	48	31	30	11	67	22.2		638.7	73.07	6871.59
	12/9/2013	9:59	12/9/2013 9:59	47.5	30	30	13.5	70	26.8		587.6	67.22	6938.81
	12/9/2013	10:55	12/9/2013 10:55	47.5	29	28	14.5	74	28.4		1544.6	176.70	7115.51
	12/9/2013	11:33	12/9/2013 11:33	47.5	29	27.5	15	80	29.2		1092.9	125.03	7240.54
	12/9/2013	12:22	12/9/2013 12:22	47.5	29	28	16	83	31.0		1474.5	168.69	7409.22
	12/9/2013	12:23	12/9/2013 12:23								31.0	3.55	7412.77
	12/9/2013	12:24	12/9/2013 12:24			20							7412.77
SW-61 Event 7	12/12/2013	12:25	12/12/2013 12:25	42	30	32	<2	68	0.0				7412.77
	12/12/2013	12:47	12/12/2013 12:47	42	26	28	<2	70	0.0		0.0	0.00	7412.77
	12/12/2013	12:48	12/12/2013 12:48	42	30	32	4	70	7.9		4.0	0.45	7413.23
	12/12/2013	13:55	12/12/2013 13:55	47	30	30.5	8.3	74	16.4		816.1	93.36	7506.59
	12/12/2013	13:57	12/12/2013 13:57	47	31	31.5	11	74	22.0		38.4	4.40	7510.99
	12/12/2013	14:28	12/12/2013 14:28	45	30	31	12	72	23.8		709.7	81.19	7592.18
	12/12/2013	15:04	12/12/2013 15:04	45	30	30.5	13.5	74	26.7		908.8	103.96	7696.14
	12/12/2013	15:05	12/12/2013 15:05	45	32	32	16	74	32.4		29.5	3.38	7699.52
	12/12/2013	15:56	12/12/2013 15:56	45	37.5	32	17	72	36.5		1754.8	200.75	7900.27
	12/12/2013	16:44	12/12/2013 16:44	45	32	30	19.5	72	39.5		1823.3	208.58	8108.85
	12/12/2013	16:45	12/12/2013 16:45								39.5	4.52	8113.37
	12/12/2013	16:46	12/12/2013 16:46			20							8113.37
SW-61 Event 8	12/16/2013	8:10	12/16/2013 8:10	50	34	33	<2	46	0.0				8113.37
	12/16/2013	8:59	12/16/2013 8:59	47.5	30	30	10	56	20.1		493.3	56.44	8169.80
	12/16/2013	9:00	12/16/2013 9:00		32	31	12	52	24.8		22.5	2.57	8172.37
	12/16/2013	9:01	12/16/2013 9:01	42.5	33	32	13	52	27.2		26.0	2.97	8175.35
	12/16/2013	9:43	12/16/2013 9:43	40	32	30	16	62	32.7		1258.1	143.92	8319.27
	12/16/2013	9:45	12/16/2013 9:45	40	33	31.5	18	62	37.2		70.0	8.01	8327.28
	12/16/2013	10:40	12/16/2013 10:40	40	32	30	20	66	40.8		2145.1	245.40	8572.68
	12/16/2013	10:48	12/16/2013 10:48	40	35	31	22	66	46.3		348.2	39.84	8612.51
	12/16/2013	12:05	12/16/2013 12:05	42	35	31	24	66	50.5		3726.0	426.26	9038.77
	12/16/2013	12:06	12/16/2013 12:06								50.5	5.78	9044.54
	12/16/2013	12:07	12/16/2013 12:07			22							9044.54
SW-61 Event 9	12/15/2014	7:54	12/15/2014 7:54		27	27	0	38	0.0				9044.54
	12/15/2014	8:08	12/15/2014 8:08		28	27	8	46	15.9		111.3	12.73	9057.28
	12/15/2014	9:21	12/15/2014 9:21		27	25.5	11	64	21.2		1354.5	154.96	9212.23
	12/15/2014	9:22	12/15/2014 9:22		36	31	21	64	44.7		33.0	3.77	9216.01
	12/15/2014	11:07	12/15/2014 11:07		36	31	21	77	44.2		4665.9	533.78	9749.78
	12/15/2014	13:59	12/15/2014 13:59		36	31	20.5	78	43.1		7500.4	858.05	10607.83
	12/15/2014	15:49	12/15/2014 15:49		36	31	20	80	41.9		4674.5	534.76	11142.59
	12/15/2014	16:37	12/15/2014 16:37		36	31	20	75	42.1		2017.5	230.80	11373.39
	12/15/2014	16:38	12/15/2014 16:38			23					42.1	4.82	11378.21
SW-61 Event 10	1/6/2015	8:18	1/6/2015 8:18		28	29	0	50	0.0				11378.21
	1/6/2015	8:55	1/6/2015 8:55		26	27	4	58	7.7		141.8	16.22	11394.44

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/6/2015	8:56	1/6/2015 8:56		34	33	10	58	21.0		14.3	1.64	11396.07
	1/6/2015	10:18	1/6/2015 10:18		34	30	18	70	37.3		2391.3	273.56	11669.64
	1/6/2015	10:19	1/6/2015 10:19		36	32	22	70	46.6		42.0	4.80	11674.43
	1/6/2015	11:15	1/6/2015 11:15		37	31	22	73	46.9		2617.2	299.41	11973.85
	1/6/2015	11:16	1/6/2015 11:16		40	33	26	73	57.0		52.0	5.95	11979.79
	1/6/2015	12:42	1/6/2015 12:42		40	35	22	75	48.2		4524.0	517.55	12497.34
	1/6/2015	12:43	1/6/2015 12:43			24					48.2	5.51	12502.85
SW-61 Event 11	2/23/2015	7:49	2/23/2015 7:49		32	32	5	64	10.2				12502.85
	2/23/2015	8:34	2/23/2015 8:34		30	28	13	66	25.9		812.9	93.00	12595.84
	2/23/2015	8:35	2/23/2015 8:35		38	34	22	66	47.7		36.8	4.21	12600.05
	2/23/2015	9:40	2/23/2015 9:40		38	32	23	78	49.3		3151.1	360.49	12960.54
	2/23/2015	9:41	2/23/2015 9:41		40	33	24	78	52.4		50.8	5.82	12966.36
	2/23/2015	11:38	2/23/2015 11:38		40	32.5	26	78	56.8		6385.7	730.53	13696.88
	2/23/2015	13:44	2/23/2015 13:44		42	31	28	72	62.6		7521.2	860.42	14557.30
	2/23/2015	13:45	2/23/2015 13:45			21					62.6	7.16	14564.47
SW-61 Event 12	3/2/2015	12:27	3/2/2015 12:27		33	33	0	72	0.0				14564.47
	3/2/2015	12:51	3/2/2015 12:51		32	31.5	5.5	77	11.1		133.1	15.23	14579.69
	3/2/2015	12:52	3/2/2015 12:52		36	35.5	10	77	21.0		16.1	1.84	14581.53
	3/2/2015	14:20	3/2/2015 14:20		36	33.5	14	80	29.4		2216.6	253.57	14835.10
	3/2/2015	17:10	3/2/2015 17:10		35	31	17	77	35.4		5502.4	629.48	15464.58
	3/2/2015	17:11	3/2/2015 17:11			26					35.4	4.05	15468.63
SW-61 Event 13	3/12/2015	8:07	3/12/2015 8:07		31	30	0	70	0.0				15468.63
	3/12/2015	8:17	3/12/2015 8:17		30	29.5	5	70	9.9		49.6	5.68	15474.31
	3/12/2015	8:18	3/12/2015 8:18		36	34.5	12.5	70	26.5		18.2	2.08	15476.39
	3/12/2015	9:24	3/12/2015 9:24		36	32	16.5	73	34.8		2022.5	231.38	15707.77
	3/12/2015	10:37	3/12/2015 10:37		36	30.5	18.5	73	39.0		2696.5	308.48	16016.25
	3/12/2015	10:38	3/12/2015 10:38		40	33	23	73	50.5		44.8	5.12	16021.37
	3/12/2015	11:49	3/12/2015 11:49		40	32	24	72	52.7		3662.2	418.96	16440.33
	3/12/2015	12:49	3/12/2015 12:49		40	31	26	72	57.1		3294.0	376.83	16817.16
	3/12/2015	12:50	3/12/2015 12:50			22					57.1	6.53	16823.69
Total CO ₂ Mass (lbs):												16823.69	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-62 Event 1	11/20/2013	8:56	11/20/2013 8:56			6			0.0				
	11/20/2013	8:57	11/20/2013 8:57		25.5	28	<2	64	0.0		0.0	0.00	0.00
	11/20/2013	8:58	11/20/2013 8:58		29	31.2	<2	64	0.0		0.0	0.00	0.00
	11/20/2013	9:07	11/20/2013 9:07		28.5	29.7	<2	64	0.0		0.0	0.00	0.00
	11/20/2013	9:14	11/20/2013 9:14	55	28.5	29.2	3.5	64	6.9		24.0	2.75	2.75
	11/20/2013	9:47	11/20/2013 9:47	54	28	28.4	5	64	9.8		274.4	31.39	34.14
	11/20/2013	10:47	11/20/2013 10:47	53	27.5	27.5	6	66	11.6		641.3	73.36	107.50
	11/20/2013	10:53	11/20/2013 10:53	52.5	30	30.5	9	66	17.9		88.7	10.15	117.65
	11/20/2013	12:35	11/20/2013 12:35	52	31	30.5	9	65.0	18.2		1841.4	210.65	328.30
	11/20/2013	14:35	11/20/2013 14:35	50	31	29.6	11	64.0	22.2		2423.1	277.20	605.50
	11/20/2013	14:43	11/20/2013 14:43	50	32	30.5	12.2	63	24.9		188.7	21.58	627.08
	11/20/2013	15:16	11/20/2013 15:16	55	31	30	12.5	63.0	25.3		828.6	94.79	721.88
	11/20/2013	15:18	11/20/2013 15:18								50.6	5.78	727.66
	11/20/2013	15:22	11/20/2013 15:22			17.2							727.66
SW-62 Event 2	11/23/2013	7:59	11/23/2013 7:59	60	26			66					727.66
	11/23/2013	8:02	11/23/2013 8:02	60	30	31.5	9.5	67	18.9		56.8	6.49	734.15
	11/23/2013	8:35	11/23/2013 8:35	57	28	25	15	72	29.0		624.4	71.43	805.58
	11/23/2013	8:38	11/23/2013 8:38	56	31	27.5	20	73	40.0		87.1	9.97	815.55
	11/23/2013	8:41	11/23/2013 8:41	55	34	28.5	22	73	45.5		120.1	13.74	829.30
	11/23/2013	9:12	11/23/2013 9:12	54	34	27.5	23	76	47.4		1410.4	161.35	990.65
	11/23/2013	9:15	11/23/2013 9:15	54	35	29	24.5	76	51.0		142.3	16.28	1006.92
	11/23/2013	9:47	11/23/2013 9:47	51	34	28	25	80	51.4		1633.4	186.86	1193.78
	11/23/2013	11:03	11/23/2013 11:03	49	34	26.5	26	86	53.1		3902.8	446.48	1640.26
	11/23/2013	12:24	11/23/2013 12:24	49	34	25.5	27	90	54.9		4301.2	492.06	2132.32
	11/23/2013	12:39	11/23/2013 12:39	53	34	25.5	27	90	54.9		824.0	94.27	2226.59
	11/23/2013	12:42	11/23/2013 12:42								164.8	18.85	2245.44
	11/23/2013	12:43	11/23/2013 12:43			18.5							2245.44
	SW-62 Event 3	11/26/2013	7:31	11/26/2013 7:31	58	27			68				
11/26/2013		7:33	11/26/2013 7:33		32	32	<2	68	0.0		0.0	0.00	2245.44
11/26/2013		7:34	11/26/2013 7:34		30	27	12	68	23.9		11.9	1.37	2246.81
11/26/2013		7:35	11/26/2013 7:35		31	28	16	68	32.2		28.0	3.21	2250.02
11/26/2013		7:48	11/26/2013 7:48		30	25.5	19	68	37.8		455.0	52.05	2302.07
11/26/2013		8:26	11/26/2013 8:26		30	25	20	68	39.8		1474.4	168.67	2470.73
11/26/2013		9:17	11/26/2013 9:17	55	30	24.5	20.5	68	40.8		2054.9	235.08	2705.81
11/26/2013		10:50	11/26/2013 10:50		30	24	21.5	68	42.8		3885.9	444.55	3150.36
11/26/2013		12:19	11/26/2013 12:19		30	23	22	70	43.7		3847.8	440.18	3590.54
11/26/2013		12:23	11/26/2013 12:23								174.8	19.99	3610.53
11/26/2013		12:26	11/26/2013 12:26			17.5							3610.53
SW-62 Event 4	12/3/2013	13:28	12/3/2013 13:28	50	30	27.5	19	84	37.2				3610.53
	12/3/2013	13:44	12/3/2013 13:44	46	30	25	24	82	47.1		674.7	77.19	3687.72
	12/3/2013	14:49	12/3/2013 14:49	46	30	22.5	27.5	77	54.2		3294.0	376.83	4064.55
	12/3/2013	15:36	12/3/2013 15:36	44	30	22	27.5	72	54.5		2555.5	292.35	4356.90
	12/3/2013	16:58	12/3/2013 16:58	45	29	21.5	29	66	57.2		4578.0	523.72	4880.62
	12/3/2013	17:25	12/3/2013 17:25	52	29	21	29.5	66	58.1		1556.5	178.06	5058.68
	12/3/2013	17:26	12/3/2013 17:26			16					58.1	6.65	5065.34
	12/3/2013	17:27	12/3/2013 17:27										5065.34
SW-62 Event 5	12/6/2013	8:04	12/6/2013 8:04										5065.34
	12/6/2013	8:06	12/6/2013 8:06	52	29	31	<2	70	0.0				5065.34
	12/6/2013	8:10	12/6/2013 8:10		29	31	<2	70	0.0		0.0	0.00	5065.34
	12/6/2013	9:07	12/6/2013 9:07	42	30	31	10	76	19.7		562.7	64.37	5129.71
	12/6/2013	9:55	12/6/2013 9:55	40	30	29	13.5	78	26.6		1112.3	127.24	5256.95

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/6/2013	9:58	12/6/2013 9:58	40	32	31	16	78	32.2		88.3	10.10	5267.05
	12/6/2013	11:03	12/6/2013 11:03	37.5	31	29.5	18.5	80	36.8		2243.5	256.66	5523.70
	12/6/2013	11:05	12/6/2013 11:05	37.5	32.5	30	20.5	80	41.4		78.2	8.95	5532.65
	12/6/2013	12:11	12/6/2013 12:11	37.5	32.5	30	21.8	79	44.1		2823.6	323.01	5855.67
	12/6/2013	12:13	12/6/2013 12:13								88.2	10.09	5865.76
	12/6/2013	12:14	12/6/2013 12:14			20							5865.76
SW-62 Event 6	12/9/2013	13:09	12/9/2013 13:09						0.0				5865.76
	12/9/2013	13:10	12/9/2013 13:10	50	30	30	<2	88	0.0		0.0	0.00	5865.76
	12/9/2013	13:34	12/9/2013 13:34	48	28	27	11	88	21.0		251.7	28.80	5894.56
	12/9/2013	14:05	12/9/2013 14:05	45	28	26	13	85	24.9		710.6	81.29	5975.85
	12/9/2013	14:25	12/9/2013 14:25	45	28	25	14	82	26.9		517.2	59.16	6035.01
	12/9/2013	15:18	12/9/2013 15:18	45	27	25.5	15	78	28.5		1467.8	167.91	6202.92
	12/9/2013	15:19	12/9/2013 15:19	45	30	27.5	20	78	39.4		34.0	3.89	6206.81
	12/9/2013	16:00	12/9/2013 16:00	43	31	26	21	72	42.1		1670.8	191.14	6397.94
	12/9/2013	16:09	12/9/2013 16:09	43	32	27	23	72	46.6		399.1	45.66	6443.61
	12/9/2013	16:41	12/9/2013 16:41	44	32.5	29	20.5	70	41.8		1415.3	161.91	6605.52
	12/9/2013	17:19	12/9/2013 17:19	45	32.5	29	21	68	43.0		1611.3	184.33	6789.85
	12/9/2013	17:20	12/9/2013 17:20								43.0	4.91	6794.76
	12/9/2013	17:21	12/9/2013 17:21			21							6794.76
SW-62 Event 7	12/12/2013	8:53	12/12/2013 8:53	52	32.5	32	<2	64	0.0				6794.76
	12/12/2013	9:30	12/12/2013 9:30	50	32.5	30	8	67	16.4		303.0	34.67	6829.43
	12/12/2013	10:22	12/12/2013 10:22	45	31	29	13	68	26.2		1106.0	126.52	6955.95
	12/12/2013	10:23	12/12/2013 10:23	45	32	29	15	68	30.5		28.3	3.24	6959.19
	12/12/2013	11:04	12/12/2013 11:04	42.5	32	27	18	70	36.5		1374.8	157.28	7116.47
	12/12/2013	11:05	12/12/2013 11:05	41	34	29	21.5	70	44.6		40.6	4.64	7121.11
	12/12/2013	12:08	12/12/2013 12:08	40	34	27	23	70	47.7		2907.4	332.60	7453.71
	12/12/2013	12:53	12/12/2013 12:53								2146.7	245.58	7699.30
	12/12/2013	12:54	12/12/2013 12:54			19							7699.30
SW-62 Event 8	12/16/2013	8:08	12/16/2013 8:08	50	35	33	<2	46	0.0				7699.30
	12/16/2013	8:57	12/16/2013 8:57	48.5	31	28	15	55	30.6		749.1	85.70	7784.99
	12/16/2013	8:58	12/16/2013 8:58	47.5	32	28.5	17	55	35.0		32.8	3.75	7788.75
	12/16/2013	9:03	12/16/2013 9:03	40	34	30	19	56	40.0		187.5	21.45	7810.20
	12/16/2013	9:42	12/16/2013 9:42	40	34	29.5	20	62	41.8		1594.6	182.42	7992.61
	12/16/2013	9:44	12/16/2013 9:44	40	35	30	22	62	46.5		88.3	10.10	8002.71
	12/16/2013	10:47	12/16/2013 10:47	40	35	29	23	66	48.4		2988.1	341.84	8344.55
	12/16/2013	12:03	12/16/2013 12:03	42	35	29	24	66	50.5		3757.6	429.87	8774.42
	12/16/2013	12:05	12/16/2013 12:05								101.0	11.55	8785.97
	12/16/2013	12:06	12/16/2013 12:06			20							8785.97
SW-62 Event 9	1/22/2014	9:24	1/22/2014 9:24	48	26	26.5	<2	48	0.0				8785.97
	1/22/2014	9:25	1/22/2014 9:25	48	31	32	<2	48	0.0		0.0	0.00	8785.97
	1/22/2014	9:30	1/22/2014 9:30	48	31	31	<2	48	0.0		0.0	0.00	8785.97
	1/22/2014	9:59	1/22/2014 9:59	45	29.5	30	6	51	12.1		175.1	20.03	8806.00
	1/22/2014	10:01	1/22/2014 10:01	45	34	31.2	10	51	21.1		33.2	3.80	8809.80
	1/22/2014	11:06	1/22/2014 11:06	43	28	27.5	10	54	19.7		1327.7	151.88	8961.68
	1/22/2014	11:08	1/22/2014 11:08	43	32	31	14.2	54	29.3		49.0	5.61	8967.29
	1/22/2014	12:12	1/22/2014 12:12	39	31.5	30.5	15.8	56	32.4		1972.7	225.67	9192.96
	1/22/2014	12:58	1/22/2014 12:58	43	31	29.5	16.2	59	32.9		1500.5	171.66	9364.62
	1/22/2014	14:22	1/22/2014 14:22	45	33	20.5	14.5	59	30.1		2644.9	302.58	9667.20
	1/22/2014	14:23	1/22/2014 14:23			20					30.1	3.44	9670.64
SW-62 Event 10	12/16/2014	7:50	12/16/2014 7:50		25	25	0	50	0.0				9670.64
	12/16/2014	8:04	12/16/2014 8:04		30	30	4	54	8.1		56.5	6.46	9677.10

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/16/2014	9:52	12/16/2014 9:52		30	29	8	74	15.8		1290.3	147.62	9824.72
	12/16/2014	9:53	12/16/2014 9:53		32	31	10	74	20.2		18.0	2.06	9826.78
	12/16/2014	11:28	12/16/2014 11:28		32	30	13	80	26.1		2202.4	251.95	10078.74
	12/16/2014	12:32	12/16/2014 12:32		32	29.5	13	80	26.1		1673.0	191.40	10270.13
	12/16/2014	13:40	12/16/2014 13:40		32	29.5	14	85	28.0		1841.4	210.66	10480.79
	12/16/2014	14:48	12/16/2014 14:48		32	29.5	14	82	28.1		1908.0	218.27	10699.06
	12/16/2014	16:41	12/16/2014 16:41		32	29	16	77	32.3		3410.6	390.17	11089.24
	12/16/2014	16:42	12/16/2014 16:42			19					32.3	3.69	11092.93
SW-62 Event 11	2/27/2015	7:42	2/27/2015 7:42		30	31	0	47	0.0				11092.93
	2/27/2015	8:03	2/27/2015 8:03		29	29	7	48	14.0		147.5	16.87	11109.80
	2/27/2015	8:04	2/27/2015 8:04		35	33.5	11	48	23.6		18.8	2.15	11111.95
	2/27/2015	9:30	2/27/2015 9:30		35	32	15.5	56	32.9		2429.7	277.96	11389.91
	2/27/2015	10:11	2/27/2015 10:11		35	32	16	56	34.0		1372.3	156.99	11546.90
	2/27/2015	10:12	2/27/2015 10:12			20.5					34.0	3.89	11550.79
SW-62 Event 12	3/2/2015	7:48	3/2/2015 7:48		30	30	0	58	0.0				11550.79
	3/2/2015	8:18	3/2/2015 8:18		29.5	29.5	6	59	12.0		179.6	20.55	11571.34
	3/2/2015	8:19	3/2/2015 8:19		34	32	9.5	59	19.9		15.9	1.82	11573.16
	3/2/2015	9:59	3/2/2015 9:59		34	31.5	13	67	27.0		2348.2	268.63	11841.79
	3/2/2015	11:24	3/2/2015 11:24		34	31	14	70	29.0		2383.4	272.66	12114.46
	3/2/2015	12:18	3/2/2015 12:18		34	31	15	70	31.1		1624.0	185.79	12300.24
	3/2/2015	12:19	3/2/2015 12:19			19					31.1	3.56	12303.80
Total CO ₂ Mass (lbs):													12303.80

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-63 Event 1	11/18/2013	13:14	11/18/2013 13:14	54	28				0.0				
	11/18/2013	13:17	11/18/2013 13:17	58	31	32	<2	80	0.0		0.0	0.00	0.00
	11/18/2013	13:28	11/18/2013 13:28	58	29	30	5	80	9.7		53.5	6.12	6.12
	11/18/2013	13:29	11/18/2013 13:29	58	32	32	6	80	12.1		10.9	1.25	7.36
	11/18/2013	13:59	11/18/2013 13:59	56	32	31	9	80	18.1		452.4	51.76	59.12
	11/18/2013	14:02	11/18/2013 14:02		33	32	10	80	20.3		57.6	6.59	65.72
	11/18/2013	15:12	11/18/2013 15:12	52.5	32	31.25	11.5	78	23.2		1522.3	174.15	239.87
	11/18/2013	15:15	11/18/2013 15:15	52.5	35	32	12.2	78	25.4		970.8	111.05	350.93
	11/18/2013	15:52	11/18/2013 15:52		34	32	13	76	26.8		2034.8	232.78	583.71
	11/18/2013	17:10	11/18/2013 17:10		34	31.5	13.5	74	27.9		27.3	3.13	586.84
	11/18/2013	17:11	11/18/2013 17:11								27.9	3.19	590.03
	11/18/2013	17:12	11/18/2013 17:12			22							590.03
SW-63 Event 2	12/3/2013	13:00	12/3/2013 13:00										590.03
	12/3/2013	13:01	12/3/2013 13:01	58	34	32	<2	83	0.0		0.0	0.00	590.03
	12/3/2013	13:34	12/3/2013 13:34	54	32	29.5	6	85	12.0		198.1	22.67	612.69
	12/3/2013	13:36	12/3/2013 13:36	53	35	33.5	9	85	18.6		30.6	3.50	616.19
	12/3/2013	14:44	12/3/2013 14:44	51	35	32	12	80	24.9		1478.8	169.17	785.37
	12/3/2013	16:00	12/3/2013 16:00	49	35	32	13	74	27.1		1977.6	226.24	1011.60
	12/3/2013	17:01	12/3/2013 17:01	51	35	30.5	13.5	67	28.4		1693.1	193.69	1205.29
	12/3/2013	17:03	12/3/2013 17:03								56.7	6.49	1211.79
	12/3/2013	17:04	12/3/2013 17:04			21							1211.79
	12/3/2013	17:04	12/3/2013 17:04										1211.79
SW-63 Event 3	12/9/2013	13:22	12/9/2013 13:22						0.0				1211.79
	12/9/2013	13:24	12/9/2013 13:24		30	31	4	92	7.8		7.8	0.89	1212.68
	12/9/2013	13:25	12/9/2013 13:25	55	30	28	9	92.0	17.5		12.6	1.45	1214.12
	12/9/2013	13:27	12/9/2013 13:27	55	30	26	12	92.0	23.3		40.8	4.67	1218.79
	12/9/2013	13:30	12/9/2013 13:30	55	30	27	16	92	31.1		81.7	9.34	1228.14
	12/9/2013	13:55	12/9/2013 13:55	50	30	27	18.5	90	36.0		839.4	96.03	1324.17
	12/9/2013	13:56	12/9/2013 13:56	50	31		20	90	39.4		37.7	4.32	1328.48
	12/9/2013	14:23	12/9/2013 14:23	50	31	27	20	90.0	39.4		1063.9	121.71	1450.19
	12/9/2013	15:22	12/9/2013 15:22	48	32	27	21	82.0	42.1		2405.7	275.22	1725.41
	12/9/2013	15:23	12/9/2013 15:23	48	33	28.5	22	82.0	44.6		43.4	4.96	1730.37
	12/9/2013	16:43	12/9/2013 16:43	45	32.5	28	22	75.0	44.7		3573.0	408.75	2139.12
	12/9/2013	17:30	12/9/2013 17:30	55	32.4	28	22.5	73.0	45.7		2125.4	243.14	2382.27
	12/9/2013	17:31	12/9/2013 17:31		34						45.7	5.23	2387.50
	12/9/2013	17:32	12/9/2013 17:32			18							2387.50
	SW-63 Event 4	12/16/2013	12:01	12/16/2013 12:01	50	32	33	<2	70	0.0			
12/16/2013		12:53	12/16/2013 12:53	50	30	29	5	72	9.9		257.7	29.48	2416.98
12/16/2013		12:54	12/16/2013 12:54	50	32	31	9	72	18.2		14.1	1.61	2418.59
12/16/2013		13:16	12/16/2013 13:16		32		9	70	18.3		401.6	45.95	2464.53
12/16/2013		13:17	12/16/2013 13:17								18.3	2.09	2466.62
12/16/2013		14:41	12/16/2013 14:41	52	33.5	30.5	12	76	24.6		2067.7	236.54	2703.16
12/16/2013		14:52	12/16/2013 14:52	46	34	32	11	74	22.7		260.4	29.79	2732.95
12/16/2013		15:58	12/16/2013 15:58	45	32	31	12	70	24.4		1554.0	177.78	2910.73
12/16/2013		16:51	12/16/2013 16:51	45	31	30	12.5	66	25.2		1313.5	150.27	3061.00
12/16/2013		16:52	12/16/2013 16:52	42	32	31	14	66	28.5		26.9	3.07	3064.07
12/16/2013		16:54	12/16/2013 16:54	42	34	32	15.5	66	32.3		60.8	6.96	3071.03
12/16/2013		17:40	12/16/2013 17:40	45	36	33	17.5	54	37.6		1608.1	183.97	3255.00
12/16/2013		17:41	12/16/2013 17:41								37.6	4.31	3259.30
12/16/2013		17:42	12/16/2013 17:42			22							3259.30
SW-63 Event 5		1/6/2014	12:52	1/6/2014 12:52					66				
	1/6/2014	12:54	1/6/2014 12:54	60	33	32	<2	66	0.0		0.0	0.00	3259.30

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/6/2014	13:18	1/6/2014 13:18	60	32	31	<2	68	0.0		0.0	0.00	3259.30
	1/6/2014	13:20	1/6/2014 13:20	59	34	32.5	3.5	68	7.3		7.3	0.83	3260.14
	1/6/2014	13:52	1/6/2014 13:52	59	34	32.5	4.5	63	9.4		266.7	30.52	3290.65
	1/6/2014	14:57	1/6/2014 14:57	59	33.5	31.5	6.5	60	13.5		745.6	85.30	3375.95
	1/6/2014	14:59	1/6/2014 14:59	59	35	33	8.5	60	18.0		31.5	3.61	3379.56
	1/6/2014	15:58	1/6/2014 15:58	59	35	32.5	9.5	56	20.2		1126.3	128.84	3508.41
	1/6/2014	16:58	1/6/2014 16:58	57	35	31.5	11	49	23.5		1311.9	150.08	3658.49
	1/6/2014	17:10	1/6/2014 17:10	57	35	31.5	11.5	48	24.6		289.1	33.07	3691.56
	1/6/2014	17:11	1/6/2014 17:11								24.6	2.82	3694.38
	1/6/2014	17:12	1/6/2014 17:12			22.5							3694.38
SW-63 Event 6	1/7/2014	7:20	1/7/2014 7:20					27					3694.38
	1/7/2014	7:22	1/7/2014 7:22	39	33.5	31.5	<2	27	0.0		0.0	0.00	3694.38
	1/7/2014	7:46	1/7/2014 7:46	20	17	16.5	<2	27	0.0		0.0	0.00	3694.38
	1/7/2014	8:42	1/7/2014 8:42	59	36	35	6.5	38	14.2		398.0	45.53	3739.91
	1/7/2014	10:16	1/7/2014 10:16	55	35.5	35	10	50	21.5		1678.1	191.98	3931.89
	1/7/2014	11:18	1/7/2014 11:18	53	35	32.5	11.5	53	24.5		1426.1	163.14	4095.04
	1/7/2014	12:30	1/7/2014 12:30	51	34.5	31.5	12.5	54	26.5		1835.7	210.01	4305.05
	1/7/2014	12:32	1/7/2014 12:32								53.0	6.06	4311.10
	1/7/2014	12:33	1/7/2014 12:33			22							4311.10
SW-63 Event 7	1/9/2014	8:15	1/9/2014 8:15	55	34	34	<2	54	0.0				4311.10
	1/9/2014	8:55	1/9/2014 8:55	52	32	32.5	2	55	4.1		82.4	9.43	4320.53
	1/9/2014	10:12	1/9/2014 10:12	50	32	32	4.5	59	9.2		514.3	58.84	4379.37
	1/9/2014	10:14	1/9/2014 10:14	50	33	32.7	6	59	12.4		21.7	2.48	4381.85
	1/9/2014	11:30	1/9/2014 11:30	42	33	32.5	6.5	68	13.4		981.0	112.23	4494.08
	1/9/2014	12:33	1/9/2014 12:33	41	33	32	7.5	64	15.5		908.8	103.97	4598.04
	1/9/2014	12:34	1/9/2014 12:34								15.5	1.77	4599.82
	1/9/2014	12:38	1/9/2014 12:38			21							4599.82
SW-63 Event 8	1/13/2014	11:17	1/13/2014 11:17	46	31.8	31	<2	74	0.0				4599.82
	1/13/2014	11:19	1/13/2014 11:19	46	33	32	<2	74	0.0		0.0	0.00	4599.82
	1/13/2014	12:42	1/13/2014 12:42	50	32.5	32	2	76	4.1		168.5	19.27	4619.09
	1/13/2014	14:12	1/13/2014 14:12	45	32	32	4	76	8.1		546.0	62.46	4681.55
	1/13/2014	15:29	1/13/2014 15:29	43	32	32	5	74	10.1		700.2	80.10	4761.65
	1/13/2014	16:30	1/13/2014 16:30	43	31.5	31.5	5.2	71	10.5		628.4	71.89	4833.54
	1/13/2014	17:19	1/13/2014 17:19	52	30.5	30.5	5.5	67	11.0		526.9	60.28	4893.82
	1/13/2014	21:38	1/13/2014 21:38	51	30.5	30	7.2	63	14.5		3301.5	377.69	5271.51
	1/13/2014	21:39	1/13/2014 21:39	51	32.5	32	11	63	22.6		18.5	2.12	5273.63
	1/14/2014	8:25	1/14/2014 8:25	45	32	30.5	14.2	64	29.0		16671.2	1907.19	7180.82
	1/14/2014	8:29	1/14/2014 8:29			23					116.0	13.27	7194.09
SW-63 Event 9	1/15/2014	7:49	1/15/2014 7:49	60	26	25	6	44	11.7				7194.09
	1/15/2014	7:50	1/15/2014 7:50	60	32	30.5	12	44	25.0		18.3	2.10	7196.19
	1/15/2014	8:27	1/15/2014 8:27	55	32	30	8	57	16.5		767.1	87.75	7283.94
	1/15/2014	8:30	1/15/2014 8:30	55	33	32.5	10	57	20.8		55.9	6.39	7290.33
	1/15/2014	10:00	1/15/2014 10:00	45	33	32	11	66	22.7		1955.5	223.71	7514.04
	1/15/2014	11:02	1/15/2014 11:02	44	33	32	11.8	70	24.2		1453.4	166.27	7680.31
	1/15/2014	11:53	1/15/2014 11:53	45	33	32	12.8	72	26.2		1286.1	147.13	7827.44
	1/15/2014	13:40	1/15/2014 13:40	52	33	31	14	68	28.8		2943.0	336.67	8164.12
	1/15/2014	15:20	1/15/2014 15:20	52	32.5	30	15	74	30.5		2964.6	339.15	8503.26
	1/15/2014	16:14	1/15/2014 16:14	50	32.5	30	15.2	70	31.0		1661.4	190.06	8693.32
	1/15/2014	16:16	1/15/2014 16:16			25					62.1	7.10	8700.42
SW-63 Event 10	1/17/2014	7:02	1/17/2014 7:02	60	33	30	4	40	8.5				8700.42
	1/17/2014	7:04	1/17/2014 7:04	60	34	32.2	6.2	40	13.3		21.7	2.48	8702.91

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/17/2014	7:55	1/17/2014 7:55	55	34	32.2	7.5	42	16.0		746.1	85.35	8788.26
	1/17/2014	10:10	1/17/2014 10:10	50	33	32	9.2	62	19.0		2364.8	270.53	9058.79
	1/17/2014	11:03	1/17/2014 11:03	50	32.5	31.5	10	70	20.4		1045.3	119.58	9178.37
	1/17/2014	11:07	1/17/2014 11:07								81.7	9.34	9187.71
	1/17/2014	11:09	1/17/2014 11:09	50	33	32	13.2	70	27.1				9187.71
	1/17/2014	12:00	1/17/2014 12:00	48	33	32	12.8	74	26.2		1358.1	155.37	9343.08
	1/17/2014	12:01	1/17/2014 12:01								26.2	2.99	9346.07
SW-63 Event 11	4/13/2015	7:42	4/13/2015 7:42		32	32	0	74	0.0				9346.07
	4/13/2015	8:35	4/13/2015 8:35		30	31	4.5	76	8.9		235.4	26.93	9373.01
	4/13/2015	8:36	4/13/2015 8:36		34	35	8	76	16.5		12.7	1.45	9374.46
	4/13/2015	9:32	4/13/2015 9:32		34	34	9.5	78	19.6		1009.3	115.47	9489.93
	4/13/2015	9:34	4/13/2015 9:34		35	35	10.5	78	21.8		41.4	4.73	9494.66
	4/13/2015	11:19	4/13/2015 11:19		35	34	12	82	24.9		2451.2	280.42	9775.08
	4/13/2015	11:54	4/13/2015 11:54		35	34	12	84	24.8		869.2	99.43	9874.52
	4/13/2015	11:55	4/13/2015 11:55			24.5					24.8	2.84	9877.35
SW-63 Event 12	4/16/2015	8:13	4/16/2015 8:13		33	34	0	69	0.0				9877.35
	4/16/2015	8:26	4/16/2015 8:26		33	33	4	69	8.2		53.4	6.11	9883.46
	4/16/2015	8:27	4/16/2015 8:27		35	35.5	6	69	12.6		10.4	1.19	9884.65
	4/16/2015	9:36	4/16/2015 9:36		35	34	9	70	18.9		1084.9	124.11	10008.77
	4/16/2015	9:37	4/16/2015 9:37		37	36	12	70	25.7		22.3	2.55	10011.32
	4/16/2015	10:38	4/16/2015 10:38		37	35.5	12	70	25.7		1565.1	179.04	10190.36
	4/16/2015	11:35	4/16/2015 11:35		37	35	14	70	29.9		1584.3	181.25	10371.61
	4/16/2015	12:28	4/16/2015 12:28		37	34.5	14.5	72	30.9		1613.2	184.55	10556.15
	4/16/2015	13:42	4/16/2015 13:42		37	34	15	76	31.9		2324.5	265.93	10822.08
	4/16/2015	13:43	4/16/2015 13:43		39	35.5	18	76	39.0		35.4	4.05	10826.13
	4/16/2015	14:44	4/16/2015 14:44		39	35.5	18	76	39.0		2379.3	272.20	11098.33
	4/16/2015	15:45	4/16/2015 15:45		39	35	18	76	39.0		2379.3	272.20	11370.53
	4/16/2015	16:49	4/16/2015 16:49		39	35	18	76	39.0		2496.4	285.58	11656.11
	4/16/2015	16:57	4/16/2015 16:57		39	35	18	76	39.0		312.0	35.70	11691.81
	4/16/2015	16:58	4/16/2015 16:58			24					39.0	4.46	11696.27
Total CO ₂ Mass (lbs):												11696.27	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-64 Event 1	11/19/2013	8:39	11/19/2013 8:39	50	26		0		0.0				0.00
	11/19/2013	8:40	11/19/2013 8:40		30	31.5	<2	69.0	0.0		0.0	0.00	0.00
	11/19/2013	8:41	11/19/2013 8:41		34	34.5	<2	70.5	0.0		0.0	0.00	0.00
	11/19/2013	8:45	11/19/2013 8:45		34	33.5	<2	72.0	0.0		0.0	0.00	0.00
	11/19/2013	9:02	11/19/2013 9:02		33	32.5	4	74.0	8.2		69.5	7.95	7.95
	11/19/2013	9:04	11/19/2013 9:04		35	34.5	5	76.0	10.4		18.6	2.13	10.08
	11/19/2013	10:32	11/19/2013 10:32		35	33.5	7	76.5	14.6		1099.7	125.81	135.89
	11/19/2013	10:35	11/19/2013 10:35		36	35	8	77	16.8		47.1	5.39	141.28
	11/19/2013	11:21	11/19/2013 11:21	57.5	37	34.5	9	77	19.1		826.4	94.54	235.82
	11/19/2013	12:12	11/19/2013 12:12		36	34.5	9	77	18.9		969.9	110.95	346.78
	11/19/2013	12:44	11/19/2013 12:44		36	34	9	77	18.9		605.5	69.27	416.05
	11/19/2013	12:45	11/19/2013 12:45								18.9	2.16	418.21
	11/19/2013	12:47	11/19/2013 12:47			17							418.21
SW-64 Event 2	12/3/2013	8:24	12/3/2013 8:24				0		0.0				418.21
	12/3/2013	8:26	12/3/2013 8:26	60	20	22	<2	63	0.0		0.0	0.00	418.21
	12/3/2013	8:28	12/3/2013 8:28	60	28		3	65.5	5.8		5.8	0.67	418.88
	12/3/2013	9:01	12/3/2013 9:01	57	24	28	3.5	68	6.5		203.3	23.25	442.14
	12/3/2013	9:04	12/3/2013 9:04	55	28		3.5	68	6.8		19.9	2.28	444.42
	12/3/2013	10:02	12/3/2013 10:02	55	32	29	4	67	8.1		433.5	49.60	494.01
	12/3/2013	10:05	12/3/2013 10:05	55	36	33.5	6	67	12.7		31.3	3.58	497.60
	12/3/2013	11:15	12/3/2013 11:15	53	35	33.5	7	69	14.7		959.8	109.80	607.40
	12/3/2013	11:21	12/3/2013 11:21	53	36	34	7.5	69	15.9		91.7	10.49	617.89
	12/3/2013	12:14	12/3/2013 12:14	51	36	33.5	8	76	16.8		867.3	99.22	717.12
	12/3/2013	12:49	12/3/2013 12:49	55	36	33.5	8	82	16.7		587.6	67.22	784.34
	12/3/2013	12:51	12/3/2013 12:51			20.5					33.5	3.83	788.17
	SW-64 Event 3	12/9/2013	8:54	12/9/2013 8:54	55	36	34.5	<2	64	0.0			
12/9/2013		8:58	12/9/2013 8:58	55	34	30.2	10	64	20.9		41.7	4.77	792.94
12/9/2013		9:28	12/9/2013 9:28	51	32	30	12	67	24.4		679.5	77.74	870.68
12/9/2013		10:05	12/9/2013 10:05	50	32	39	12.5	72	25.3		920.7	105.33	976.00
12/9/2013		10:53	12/9/2013 10:53	50	32	28.5	12.5	74	25.3		1214.7	138.96	1114.96
12/9/2013		11:26	12/9/2013 11:26	50	32	28	13	82	26.1		847.7	96.97	1211.94
12/9/2013		12:44	12/9/2013 12:44	50	30	28	13	90	25.3		2005.3	229.41	1441.34
12/9/2013		13:14	12/9/2013 13:14	53	30	28	13.5	90	26.3		774.4	88.59	1529.93
12/9/2013		13:15	12/9/2013 13:15			12							1529.93
SW-64 Event 4		12/13/2013	9:13	12/13/2013 9:13	52	31	34.5	12	66	24.2			
	12/13/2013	9:15	12/13/2013 9:15	52	31		14	66	28.2		52.4	6.00	1535.93
	12/13/2013	9:16	12/13/2013 9:16	52	31		18	66	36.3		32.3	3.69	1539.62
	12/13/2013	9:18	12/13/2013 9:18	52	31	27	19	66	38.3		74.6	8.53	1548.16
	12/13/2013	10:08	12/13/2013 10:08	50	28	25	20	68	38.9		1929.7	220.76	1768.91
	12/13/2013	11:47	12/13/2013 11:47	50	28	24	21	76	40.5		3929.8	449.57	2218.48
	12/13/2013	11:48	12/13/2013 11:48	50	31	26	22	76	43.9		42.2	4.83	2223.31
	12/13/2013	14:40	12/13/2013 14:40	45	30	25	22	74	43.5		7520.1	860.30	3083.61
	12/13/2013	15:32	12/13/2013 15:32	57.5	30	25	23.5	76	46.4		2337.8	267.44	3351.06
	12/13/2013	15:33	12/13/2013 15:33								46.4	5.31	3356.36
	12/13/2013	15:34	12/13/2013 15:34			13							3356.36
SW-64 Event 5	12/16/2013	7:52	12/16/2013 7:52	55	32	29	10	42	20.9				3356.36
	12/16/2013	7:54	12/16/2013 7:54	50	35	30	19.5	42	42.0		62.9	7.20	3363.56
	12/16/2013	7:58	12/16/2013 7:58	55	26	30	20	42	38.9		162.0	18.53	3382.09
	12/16/2013	8:50	12/16/2013 8:50	45	34	36.5	26	50	55.0		2443.1	279.49	3661.58
	12/16/2013	8:52	12/16/2013 8:52	45	32	35	24	50	49.7		104.7	11.98	3673.57
	12/16/2013	9:48	12/16/2013 9:48	45	35	25	24	58	50.9		2817.1	322.28	3995.84

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/16/2013	10:39	12/16/2013 10:39	45	34	24	24	65	50.0		2573.5	294.41	4290.26
	12/16/2013	11:38	12/16/2013 11:38	40	28	24	24	68	46.7		2852.1	326.28	4616.54
	12/16/2013	11:53	12/16/2013 11:53	40	28	24	24	68	46.7		699.9	80.06	4696.60
	12/16/2013	11:54	12/16/2013 11:54								46.7	5.34	4701.94
	12/16/2013	11:55	12/16/2013 11:55			15							4701.94
SW-64 Event 6	1/7/2014	12:37	1/7/2014 12:37					53					4701.94
	1/7/2014	12:38	1/7/2014 12:38	53	36.5	35	<2	53	0.0		0.0	0.00	4701.94
	1/7/2014	13:50	1/7/2014 13:50	56	33.5	31.5	8	54	16.8		603.8	69.07	4771.01
	1/7/2014	13:53	1/7/2014 13:53	56	37	34	12	54	26.1		64.3	7.35	4778.36
	1/7/2014	15:09	1/7/2014 15:09	54	35	31	16.5	55	35.1		2324.4	265.92	5044.28
	1/7/2014	15:12	1/7/2014 15:12	54	37	32.5	18	55	39.1		111.2	12.73	5057.00
	1/7/2014	15:13	1/7/2014 15:13	54	40	35	20	55	44.7		41.9	4.79	5061.79
	1/7/2014	16:20	1/7/2014 16:20	51	37.5	32	22	48	48.3		3115.5	356.42	5418.21
	1/7/2014	17:03	1/7/2014 17:03	51	37	31.5	22.5	42	49.5		2103.1	240.60	5658.80
	1/7/2014	17:04	1/7/2014 17:04								49.5	5.66	5664.47
	1/7/2014	17:05	1/7/2014 17:05			19							5664.47
SW-64 Event 7	1/9/2014	12:42	1/9/2014 12:42	42	37	36	<2	64	0.0				5664.47
	1/9/2014	12:43	1/9/2014 12:43	42	35	33.5	<2	64	0.0		0.0	0.00	5664.47
	1/9/2014	13:30	1/9/2014 13:30	42	30	31	<2	65	0.0		0.0	0.00	5664.47
	1/9/2014	13:32	1/9/2014 13:32	42	33.5	34	3.5	65	7.3		7.3	0.83	5665.30
	1/9/2014	14:21	1/9/2014 14:21	40	33.5	33.5	5	64	10.4		432.0	49.43	5714.72
	1/9/2014	14:23	1/9/2014 14:23	40	34.5	34.4	6.3	64	13.2		23.6	2.70	5717.42
	1/9/2014	15:17	1/9/2014 15:17	45	35	34.5	8	62	16.9		813.0	93.01	5810.43
	1/9/2014	16:58	1/9/2014 16:58	44	35	34	9.3	60	19.7		1847.4	211.34	6021.77
	1/9/2014	16:59	1/9/2014 16:59								19.7	2.25	6024.02
	1/9/2014	17:04	1/9/2014 17:04			19							6024.02
SW-64 Event 8	1/13/2014	11:22	1/13/2014 11:22	47	35	34.2	<2	73	0.0				6024.02
	1/13/2014	12:43	1/13/2014 12:43	50	32	30.5	11	76	22.2		899.3	102.88	6126.90
	1/13/2014	12:46	1/13/2014 12:46	48	34	32.5	13.8	76	28.5		76.0	8.69	6135.59
	1/13/2014	12:48	1/13/2014 12:48	48	34.5	33.5	14	76	29.0		57.5	6.58	6142.17
	1/13/2014	14:11	1/13/2014 14:11	45	33.5	31	17	76	34.9		2651.4	303.32	6445.49
	1/13/2014	14:13	1/13/2014 14:13	45	34	31.5	18	76	37.1		72.0	8.24	6453.73
	1/13/2014	15:30	1/13/2014 15:30	42	33	29.5	19	74	38.8		2924.4	334.56	6788.28
	1/13/2014	15:34	1/13/2014 15:34	42	34	30.5	20	74	41.3		160.3	18.34	6806.63
	1/13/2014	16:32	1/13/2014 16:32	44	33	29.5	20.2	71	41.4		2399.4	274.49	7081.12
	1/13/2014	17:11	1/13/2014 17:11	44	38	34	24	67	52.0		1821.1	208.33	7289.44
	1/13/2014	21:42	1/13/2014 21:42	51	35	33.5	25	63	52.8		14190.2	1623.35	8912.80
	1/14/2014	8:26	1/14/2014 8:26	45	36	32.8	21.5	64	45.8		31729.8	3629.89	12542.69
	1/14/2014	8:30	1/14/2014 8:30								183.1	20.95	12563.64
SW-64 Event 9	1/15/2014	7:53	1/15/2014 7:53	60	35	35	<2	44	0.0				12563.64
	1/15/2014	8:28	1/15/2014 8:28	55	31	30	11	51	22.5		394.0	45.07	12608.71
	1/15/2014	8:33	1/15/2014 8:33	55	34.5	32.5	14	51	29.7		130.7	14.95	12623.66
	1/15/2014	10:02	1/15/2014 10:02	45	32.5	30	16.2	66	33.2		2801.3	320.47	12944.12
	1/15/2014	10:04	1/15/2014 10:04	45	33	30.5	18	66	37.1		70.3	8.04	12952.16
	1/15/2014	11:03	1/15/2014 11:03	43	33	28.5	19	70	39.0		2244.5	256.77	13208.93
	1/15/2014	11:50	1/15/2014 11:50	42	30.5	27.5	19.5	72	38.9		1829.8	209.32	13418.25
	1/15/2014	11:51	1/15/2014 11:51								38.9	4.45	13422.70
	1/15/2014	11:52	1/15/2014 11:52										13422.70
SW-64 Event 10	3/3/2015	11:55	3/3/2015 11:55		27	28	0	87	0.0				13422.70
	3/3/2015	13:38	3/3/2015 13:38		26	27	0	88	0.0		0.0	0.00	13422.70
	3/3/2015	13:48	3/3/2015 13:48		32	32.5	0	88	0.0		0.0	0.00	13422.70

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/3/2015	15:07	3/3/2015 15:07		32	32.5	0	89	0.0		0.0	0.00	13422.70
	3/3/2015	17:28	3/3/2015 17:28		32	32	0	80	0.0		0.0	0.00	13422.70
	3/3/2015	17:29	3/3/2015 17:29			29					0.0	0.00	13422.70
SW-64 Event 11	3/9/2015	12:02	3/9/2015 12:02		33	34	0	84	0.0				13422.70
	3/9/2015	12:34	3/9/2015 12:34		32	33	0	86	0.0		0.0	0.00	13422.70
	3/9/2015	12:35	3/9/2015 12:35		35	36	0	86	0.0		0.0	0.00	13422.70
	3/9/2015	13:50	3/9/2015 13:50		35	35.5	0	84	0.0		0.0	0.00	13422.70
	3/9/2015	15:54	3/9/2015 15:54		35	35	0	85	0.0		0.0	0.00	13422.70
	3/9/2015	16:58	3/9/2015 16:58		34	34.5	0	84	0.0		0.0	0.00	13422.70
	3/9/2015	16:59	3/9/2015 16:59			28					0.0	0.00	13422.70
SW-64 Event 12	3/11/2015	8:03	3/11/2015 8:03		29	30	0	66	0.0				13422.70
	3/11/2015	8:21	3/11/2015 8:21		29	30	0	66	0.0		0.0	0.00	13422.70
	3/11/2015	8:22	3/11/2015 8:22		30	32	0	66	0.0		0.0	0.00	13422.70
	3/11/2015	10:15	3/11/2015 10:15		30	31	0	82	0.0		0.0	0.00	13422.70
	3/11/2015	10:16	3/11/2015 10:16		36	38	0	82	0.0		0.0	0.00	13422.70
	3/11/2015	11:02	3/11/2015 11:02		35	37	0	87	0.0		0.0	0.00	13422.70
	3/11/2015	12:26	3/11/2015 12:26		35	37	0	90	0.0		0.0	0.00	13422.70
	3/11/2015	13:47	3/11/2015 13:47		35	37	<2	89	0.0		0.0	0.00	13422.70
	3/11/2015	15:00	3/11/2015 15:00		35	36.5	<2	96	0.0		0.0	0.00	13422.70
	3/11/2015	16:27	3/11/2015 16:27		35	36.5	3	92	6.2		267.8	30.63	13453.33
	3/11/2015	18:02	3/11/2015 18:02		34	36	3	88	6.1		582.9	66.68	13520.01
	3/11/2015	18:04	3/11/2015 18:04		18	22	0	88	0.0		6.1	0.70	13520.71
	3/12/2015	8:08	3/12/2015 8:08		18	21	0	70	0.0		0.0	0.00	13520.71
	3/12/2015	8:09	3/12/2015 8:09		34	35	0	70	0.0		0.0	0.00	13520.71
	3/12/2015	8:19	3/12/2015 8:19		34	35	3	70	6.2		31.1	3.56	13524.27
	3/12/2015	9:25	3/12/2015 9:25		35	36	3	73	6.3		412.2	47.16	13571.43
	3/12/2015	10:39	3/12/2015 10:39		35	36	4	73	8.4		541.2	61.91	13633.34
	3/12/2015	11:47	3/12/2015 11:47		35	36	4	72	8.4		568.6	65.05	13698.39
	3/12/2015	12:47	3/12/2015 12:47		35	36	4	72	8.4		502.0	57.43	13755.81
	3/12/2015	14:30	3/12/2015 14:30		35	35	4.5	72	9.4		915.6	104.74	13860.55
	3/12/2015	14:31	3/12/2015 14:31		36	36.5	5	72	10.6		10.0	1.14	13861.70
	3/12/2015	16:19	3/12/2015 16:19		37	37.5	6	69	12.8		1263.9	144.59	14006.28
	3/12/2015	16:20	3/12/2015 16:20		36	36.5	4.5	69	9.5		11.2	1.28	14007.56
	3/12/2015	17:48	3/12/2015 17:48		36	36	6	69	12.7		979.0	112.00	14119.56
	3/13/2015	7:56	3/13/2015 7:56		36	35.5	7	64	14.9		11711.3	1339.78	15459.34
	3/13/2015	8:08	3/13/2015 8:08		36	35.5	7	64	14.9		178.9	20.46	15479.80
	3/13/2015	8:54	3/13/2015 8:54		35.5	35	7.5	64	15.9		708.4	81.04	15560.84
	3/13/2015	9:24	3/13/2015 9:24		35	35	7.5	64	15.8		475.5	54.40	15615.24
	3/13/2015	9:25	3/13/2015 9:25			30					15.8	1.81	15617.04
Total CO ₂ Mass (lbs):												15617.04	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)	
SW-65 Event 1	11/21/2013	9:24	11/21/2013 9:24	57	28			64	0.0					
	11/21/2013	9:26	11/21/2013 9:26		32	31.5	<2	66	0.0		0.0	0.00	0.00	
	11/21/2013	9:31	11/21/2013 9:31		29	28	10	66	19.7		49.3	5.64	5.64	
	11/21/2013	9:37	11/21/2013 9:37		35	32	14	67	29.4		147.4	16.86	22.50	
	11/21/2013	10:16	11/21/2013 10:16		34	30	19	68	39.5		1343.8	153.73	176.23	
	11/21/2013	10:18	11/21/2013 10:18		39	33	22	69	48.0		87.5	10.01	186.23	
	11/21/2013	10:55	11/21/2013 10:55		39	32.5	22	70	48.0		1775.2	203.08	389.32	
	11/21/2013	12:00	11/21/2013 12:00			38	32	23	72	49.6		3169.2	362.56	751.87
	11/21/2013	12:01	11/21/2013 12:01	48	40	33	24	72	52.7		51.1	5.85	757.72	
	11/21/2013	13:18	11/21/2013 13:18	45	40	32.5	29.5	73	64.7		4520.7	517.17	1274.89	
	11/21/2013	13:35	11/21/2013 13:35		41	33	26	73	57.6		1039.4	118.91	1393.80	
	11/21/2013	13:38	11/21/2013 13:38								172.7	19.76	1413.56	
	11/21/2013	13:39	11/21/2013 13:39			22							1413.56	
SW-65 Event 2	12/12/2013	13:31	12/12/2013 13:31	50	35	33	<2	70	0.0				1413.56	
	12/12/2013	14:40	12/12/2013 14:40	50	26	22	23	70	43.6		1502.6	171.90	1585.46	
	12/12/2013	14:41	12/12/2013 14:41	46	25	25	26	70	48.6		46.1	5.27	1590.73	
	12/12/2013	15:28	12/12/2013 15:28	44	30	24.5	26.5	70	52.6		2379.2	272.18	1862.91	
	12/12/2013	15:29	12/12/2013 15:29	44	34	27	29	70	60.1		56.4	6.45	1869.37	
	12/12/2013	16:34	12/12/2013 16:34	45	34	27	29	70	60.1		3909.7	447.27	2316.63	
	12/12/2013	17:07	12/12/2013 17:07	50	35	28	28.5	62	60.2		1985.8	227.17	2543.81	
	12/12/2013	17:20	12/12/2013 17:20								782.6	89.53	2633.34	
	12/12/2013	17:21	12/12/2013 17:21			17							2633.34	
	SW-65 Event 3	12/18/2013	8:49	12/18/2013 8:49	50	33	33	<2	62	0.0				2633.34
12/18/2013		9:47	12/18/2013 9:47	50	29	24	22	64	43.4		1259.9	144.13	2777.47	
12/18/2013		9:48	12/18/2013 9:48	50	34	27	27.5	64	57.4		50.4	5.77	2783.23	
12/18/2013		9:55	12/18/2013 9:55								401.6	45.95	2829.18	
SW-65 Event 4	12/19/2013	8:07	12/19/2013 8:07	58	30	23	14	48	28.4				2829.18	
	12/19/2013	8:38	12/19/2013 8:38	52	30	26	19	60	38.1		1031.1	117.96	2947.14	
	12/19/2013	8:40	12/19/2013 8:40	50	34	29	25.5	60	53.4		91.5	10.47	2957.61	
	12/19/2013	8:41	12/19/2013 8:41	50	38	31.5	28	60	61.1		57.2	6.55	2964.16	
	12/19/2013	9:34	12/19/2013 9:34	41	34	28	27	63	56.4		3112.3	356.05	3320.21	
	12/19/2013	11:33	12/19/2013 11:33	40	33	26	26	67	53.5		6539.5	748.12	4068.33	
	12/19/2013	12:01	12/19/2013 12:01	39	32	27	26	68	52.9		1489.8	170.43	4238.76	
	12/19/2013	12:07	12/19/2013 12:07								317.4	36.31	4275.07	
	12/19/2013	12:08	12/19/2013 12:08										4275.07	
SW-65 Event 5	1/8/2014	8:22	1/8/2014 8:22					40	0.0				4275.07	
	1/8/2014	8:23	1/8/2014 8:23	56	30	22	28	40	57.3		28.7	3.28	4278.35	
	1/8/2014	8:35	1/8/2014 8:35	50	30	20	31.5	45	64.1		728.7	83.36	4361.71	
	1/8/2014	8:55	1/8/2014 8:55	50	29	20	32	48	64.2		1283.5	146.84	4508.54	
	1/8/2014	9:51	1/8/2014 9:51	47	29	20	32	50	64.1		3592.4	410.97	4919.51	
	1/8/2014	10:42	1/8/2014 10:42	46	28	20	32	54	63.1		3242.7	370.96	5290.47	
	1/8/2014	11:21	1/8/2014 11:21	45	28	20	32	56	63.0		2457.6	281.15	5571.62	
	1/8/2014	12:58	1/8/2014 12:58	48	28	20	31.5	56	62.0		6058.7	693.12	6264.74	
	1/8/2014	12:59	1/8/2014 12:59					56			62.0	7.09	6271.83	
	1/8/2014	13:00	1/8/2014 13:00			14		56					6271.83	
	SW-65 Event 6	1/11/2014	8:20	1/11/2014 8:20	45	27	27	<2	65	0.0				6271.83
1/11/2014		8:22	1/11/2014 8:22	45	33	30	<2	65	0.0		0.0	0.00	6271.83	
1/11/2014		8:24	1/11/2014 8:24	45	30	30	12	65	23.9		23.9	2.74	6274.57	
1/11/2014		8:25	1/11/2014 8:25	45	32	30	18	65	36.7		30.3	3.47	6278.04	
1/11/2014		8:57	1/11/2014 8:57	45	31	27	24	65	48.4		1362.6	155.88	6433.92	
1/11/2014		10:41	1/11/2014 10:41	50	30	25	26	70	51.6		5203.4	595.27	7029.19	

Sparge Event	Date	Time	Date + Time	P at Reducer (psig)	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/11/2014	11:50	1/11/2014 11:50	42	30	27	24.5	70	48.7		3459.8	395.80	7424.99
	1/11/2014	12:24	1/11/2014 12:24	48	30	25	28	70	55.6		1772.3	202.76	7627.75
	1/11/2014	12:25	1/11/2014 12:25								55.6	6.36	7634.11
	1/11/2014	12:26	1/11/2014 12:26			20							7634.11
SW-65 Event 7	1/23/2014	8:20	1/23/2014 8:20	54	32.5	32.3	<2	41	0.0				7634.11
	1/23/2014	9:00	1/23/2014 9:00	52	30	29.5	9	50	18.2		364.6	41.71	7675.82
	1/23/2014	9:01	1/23/2014 9:01	52	33	32	13	50	27.2		22.7	2.60	7678.42
	1/23/2014	9:47	1/23/2014 9:47	48	33	31.5	15	52	31.3		1347.0	154.09	7832.51
	1/23/2014	10:52	1/23/2014 10:52	45	32	30	16.7	54	34.5		2138.3	244.63	8077.14
	1/23/2014	10:53	1/23/2014 10:53	45	33.5	31	20	54	41.9		38.2	4.37	8081.51
	1/23/2014	11:45	1/23/2014 11:45	44	33.5	31	20.3	54	42.6		2196.6	251.29	8332.80
	1/23/2014	13:01	1/23/2014 13:01	46	33.5	30.5	22.1	58	46.1		3370.6	385.60	8718.40
	1/23/2014	13:02	1/23/2014 13:02			22					46.1	5.28	8723.68
SW-65 Event 8	12/15/2014	7:50	12/15/2014 7:50		30	30	0	45	0.0				8723.68
	12/15/2014	8:13	12/15/2014 8:13		29	28.5	13	53	26.0		298.5	34.15	8757.83
	12/15/2014	8:14	12/15/2014 8:14		33	30	18	53	37.6		31.8	3.63	8761.46
	12/15/2014	9:04	12/15/2014 9:04		33	29	20	63	41.3		1972.6	225.67	8987.13
	12/15/2014	9:05	12/15/2014 9:05		38	30	26	63	56.5		48.9	5.60	8992.73
	12/15/2014	10:51	12/15/2014 10:51		38	29.5	26	70	56.1		5970.9	683.08	9675.81
	12/15/2014	10:52	12/15/2014 10:52		40	30	29	70	63.8		60.0	6.86	9682.67
	12/15/2014	12:28	12/15/2014 12:28		42	34	25.5	72	57.0		5800.3	663.55	10346.22
	12/15/2014	12:40	12/15/2014 12:40		42	34	25.5	73	57.0		684.0	78.25	10424.47
	12/15/2014	14:13	12/15/2014 14:13		42	33.5	25	70	56.0		5254.3	601.10	11025.57
	12/15/2014	15:58	12/15/2014 15:58		40	32.5	26	67	57.4		5953.5	681.08	11706.65
	12/15/2014	17:03	12/15/2014 17:03		42	32.5	28	63	63.2		3918.3	448.25	12154.90
	12/15/2014	17:04	12/15/2014 17:04			28					63.2	7.23	12162.13
Total CO ₂ Mass (lbs):												12162.13	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-66 Event 1	10/21/2014	16:00	10/21/2014 16:00		20	20	0	94	0.0				
	10/21/2014	16:15	10/21/2014 16:15		20	20	0	94	0.0		0.0	0.00	0.00
	10/21/2014	16:16	10/21/2014 16:16		32	29	10	94	19.8		9.9	1.14	1.14
	10/21/2014	17:02	10/21/2014 17:02		32	26	17	84	34.1		1239.7	141.82	142.95
	10/21/2014	18:11	10/21/2014 18:11		32	26	20	77	40.3		2566.4	293.59	436.55
	10/21/2014	18:14	10/21/2014 18:14		0	0					121.0	13.84	450.39
SW-66 Event 2	11/3/2014	12:22	11/3/2014 12:22		30	29.0	12	80	23.6				450.39
	11/3/2014	12:30	11/3/2014 12:30		34	26	21	80	43.1		266.9	30.54	480.93
	11/3/2014	12:31	11/3/2014 12:31		44	31	30	80	67.8		55.4	6.34	487.27
	11/3/2014	12:56	11/3/2014 12:56		44	29	31	75	70.4		1726.4	197.50	684.78
	11/3/2014	12:57	11/3/2014 12:57		42	28.5	30	75	66.9		68.6	7.85	692.63
	11/3/2014	13:14	11/3/2014 13:14		42	28	30	75	66.9		1137.3	130.10	822.73
	11/3/2014	14:23	11/3/2014 14:23		42	27	32	74	71.4		4772.2	545.94	1368.67
	11/3/2014	14:24	11/3/2014 14:24		36	25	28	74	59.0		65.2	7.46	1376.13
	11/3/2014	15:15	11/3/2014 15:15		36	24.5	28	74	59.0		3011.2	344.48	1720.61
	11/3/2014	16:15	11/3/2014 16:15		36	24	28	72	59.2		3546.1	405.67	2126.28
	11/3/2014	16:36	11/3/2014 16:36		36	24	28	69	59.3		1244.2	142.33	2268.61
11/3/2014	16:37	11/3/2014 16:37			18					59.3	6.79	2275.40	
SW-66 Event 3	11/11/2014	8:22	11/11/2014 8:22		24	23	0	68	0.0		0	0	2275.40
	11/11/2014	8:23	11/11/2014 8:23		34	25	20	68	41.6		20.8	2.4	2277.78
	11/11/2014	9:37	11/11/2014 9:37		32	22	24	75	48.5		3332.1	381.2	2658.97
	11/11/2014	9:39	11/11/2014 9:39		38	24	30	75	64.5		112.9	12.9	2671.89
	11/11/2014	11:10	11/11/2014 11:10		37	24	30	78	63.6		5828.4	666.8	3338.67
	11/11/2014	11:57	11/11/2014 11:57		34	23	29	80	59.6		2895.5	331.2	3669.91
	11/11/2014	14:40	11/11/2014 14:40		32	21	27	80	54.3		9279.7	1061.6	4731.51
	11/11/2014	14:52	11/11/2014 14:52			18					651.5	74.5	4806.05
SW-66 Event 4	11/20/2014	12:25	11/20/2014 12:25		34	23	28	70	58.1				4806.05
	11/20/2014	14:14	11/20/2014 14:14		32	21	26	72	52.7		6036.6	690.6	5496.63
	11/20/2014	14:15	11/20/2014 14:15		34	22	28	72	58.0		55.3	6.3	5502.96
	11/20/2014	15:14	11/20/2014 15:14		33	22	27	69	55.5		3346.2	382.8	5885.76
	11/20/2014	16:18	11/20/2014 16:18		32	21.5	26	66	53.0		3470.9	397.1	6282.84
	11/20/2014	16:55	11/20/2014 16:55		40	26	34	64	75.3		2372.7	271.4	6554.28
	11/20/2014	16:56	11/20/2014 16:56			18					75.3	8.6	6562.89
SW-66 Event 5	12/2/2014	12:51	12/2/2014 12:51		30	32	5	84	9.8				6562.89
	12/2/2014	13:27	12/2/2014 13:27		30	28.5	14	84	27.4		670.1	76.7	6639.54
	12/2/2014	13:28	12/2/2014 13:28		38	34	22	84	46.9		37.1	4.2	6643.79
	12/2/2014	15:12	12/2/2014 15:12		38	31	25	77	53.6		5224.2	597.6	7241.44
	12/2/2014	15:13	12/2/2014 15:13		44	33	30	77	68.0		60.8	7.0	7248.39
	12/2/2014	15:18	12/2/2014 15:18			23					339.8	38.9	7287.26
SW-66 Event 6	12/4/2014	12:25	12/4/2014 12:25		30	30	7	80	13.8				7287.26
	12/4/2014	13:03	12/4/2014 13:03		28	28	12.5	80	24.0		718.0	82.1	7369.40
	12/4/2014	13:04	12/4/2014 13:04		40	33	26	80	56.7		40.3	4.6	7374.01
	12/4/2014	15:01	12/4/2014 15:01		40	30	29	74	63.6		7032.3	804.5	8178.51
	12/4/2014	16:15	12/4/2014 16:15		40	29.5	30	70	66.0		4794.0	548.4	8726.94
	12/4/2014	17:01	12/4/2014 17:01		42	29.5	30	69	67.3		3066.0	350.7	9077.69
	12/4/2014	17:02	12/4/2014 17:02			21					67.3	7.7	9085.39
SW-66 Event 7	12/17/2014	7:46	12/17/2014 7:46		30	30	0	47	0.0				9085.39
	12/17/2014	8:04	12/17/2014 8:04		29	28.5	13	54	25.9		233.4	26.7	9112.08
	12/17/2014	8:05	12/17/2014 8:05		37	32	22	54	47.8		36.9	4.2	9116.30
	12/17/2014	9:26	12/17/2014 9:26		37	29	26	66	55.8		4196.1	480.0	9596.33
	12/17/2014	11:26	12/17/2014 11:26		36	28.5	28	70	59.3		6905.1	789.9	10386.27

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/17/2014	12:44	12/17/2014 12:44		36	27.5	28	70	59.3		4623.4	528.9	10915.19
	12/17/2014	12:45	12/17/2014 12:45			22					59.3	6.8	10921.97
SW-66 Event 8	2/9/2015	7:47	2/9/2015 7:47		29	30	0	54	0.0		0.0	0.0	10921.97
	2/9/2015	8:24	2/9/2015 8:24		29	28.5	5.5	62	10.9		201.3	23.0	10945.01
	2/9/2015	8:25	2/9/2015 8:25		35	33.5	13.5	62	28.5		19.7	2.3	10947.26
	2/9/2015	9:45	2/9/2015 9:45		34	32	16	68	33.3		2470.7	282.6	11229.90
	2/9/2015	9:46	2/9/2015 9:46		38	34	20	68	43.3		38.3	4.4	11234.28
	2/9/2015	11:15	2/9/2015 11:15		38	33.5	22	71	47.5		4036.9	461.8	11696.10
	2/9/2015	12:35	2/9/2015 12:35		38	32	22.5	66	48.8		3848.9	440.3	12136.41
	2/9/2015	12:36	2/9/2015 12:36			25					48.8	5.6	12141.99
Total CO ₂ Mass (lbs):												12141.99	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-67 Event 1	10/22/2014	9:00	10/22/2014 9:00						0.0				
	10/22/2014	9:31	10/22/2014 9:31		22	23	0	70	0.0		0.0	0.00	0.00
	10/22/2014	9:36	10/22/2014 9:36		27	29	0	70	0.0		0.0	0.00	0.00
	10/22/2014	9:52	10/22/2014 9:52		27	28	4	72	7.7		61.2	7.00	7.00
	10/22/2014	9:53	10/22/2014 9:53		32	31	7	72	14.2		10.9	1.25	8.25
	10/22/2014	10:21	10/22/2014 10:21		32	31	10	76	20.2		481.2	55.05	63.30
	10/22/2014	11:46	10/22/2014 11:46		31	30	11	78	21.9		1789.5	204.72	268.02
	10/22/2014	13:49	10/22/2014 13:49		30	30	12	82	23.6		2796.8	319.95	587.97
	10/22/2014	15:23	10/22/2014 15:23		30	30	12	82	23.6		2214.2	253.31	841.28
	10/22/2014	16:24	10/22/2014 16:24		30	30	13	80	25.6		1498.3	171.40	1012.68
	10/22/2014	17:42	10/22/2014 17:42		30	30	14	76	27.6		2075.1	237.39	1250.08
10/22/2014	17:43	10/22/2014 17:43		0		0				27.6	3.16	1253.24	
SW-67 Event 2	11/5/2014	13:12	11/5/2014 13:12		27	27	0	80	0.0				1253.24
	11/5/2014	13:13	11/5/2014 13:13		32	32	<2	80	0.0		0.0	0.00	1253.24
	11/5/2014	13:17	11/5/2014 13:17		41	31	18	74	39.8		79.6	9.11	1262.35
	11/5/2014	15:25	11/5/2014 15:25		30.5	30.5	10	76	19.9		3818.9	436.88	1699.23
	11/5/2014	15:26	11/5/2014 15:26		35	32.5	16	76	33.3		26.6	3.04	1702.27
	11/5/2014	16:40	11/5/2014 16:40		36	33	15.5	74	32.7		2442.7	279.45	1981.72
	11/5/2014	17:29	11/5/2014 17:29		36	28	16	70	33.9		1630.6	186.54	2168.26
	11/5/2014	17:30	11/5/2014 17:30			27.5					33.9	3.87	2172.13
SW-67 Event 3	11/12/2014	7:38	11/12/2014 7:38		20	22	0	58	0.0				2172.13
	11/12/2014	7:39	11/12/2014 7:39		32	32	11	58	22.6		11.3	1.29	2173.43
	11/12/2014	8:07	11/12/2014 8:07		32	32	12	58	24.7		661.6	75.69	2249.12
	11/12/2014	8:19	11/12/2014 8:19		32	32	12	58	24.7		295.9	33.85	2282.96
	11/12/2014	9:29	11/12/2014 9:29		32	31	12	70	24.4		1715.7	196.28	2479.24
	11/12/2014	9:30	11/12/2014 9:30		37	34	20	70	42.8		33.6	3.84	2483.08
	11/12/2014	11:18	11/12/2014 11:18		36	33	18	80	37.7		4346.9	497.29	2980.37
	11/12/2014	12:40	11/12/2014 12:40		36	33	20	80	41.9		3266.3	373.67	3354.03
	11/12/2014	12:41	11/12/2014 12:41			28					41.9	4.80	3358.83
SW-67 Event 4	11/14/2014	7:34	11/14/2014 7:34		30	29	0	53	0				3358.83
	11/14/2014	7:36	11/14/2014 7:36		35	33	12	53	25.6		25.6	2.9	3361.76
	11/14/2014	8:16	11/14/2014 8:16		34	31	15	62	31.4		1138.7	130.3	3492.03
	11/14/2014	8:16	11/14/2014 8:16		38	32	19.5	62	42.4		0.0	0.0	3492.03
	11/14/2014	9:44	11/14/2014 9:44		36	31	18	65	38.3		3552.1	406.4	3898.39
	11/14/2014	11:18	11/14/2014 11:18		35	29.5	18	70	37.7		3572.7	408.7	4307.11
	11/14/2014	12:12	11/14/2014 12:12		36	29	20	71	42.3		2160.5	247.2	4554.27
	11/14/2014	12:13	11/14/2014 12:13			24					42.3	4.8	4559.11
SW-67 Event 5	11/19/2014	12:05	11/19/2014 12:05		36	33	10	70	21.2				4559.11
	11/19/2014	12:28	11/19/2014 12:28		35	32	13	70	27.2		556.7	63.7	4622.80
	11/19/2014	13:57	11/19/2014 13:57		35	31	14	70	29.3		2517.9	288.0	4910.85
	11/19/2014	15:31	11/19/2014 15:31		36	31	15	60	32.1		2886.3	330.2	5241.04
	11/19/2014	16:46	11/19/2014 16:46		36	31	16	60	34.2		2485.5	284.3	5525.38
	11/19/2014	16:47	11/19/2014 16:47			22		60			34.2	3.9	5529.30
SW-67 Event 6	12/1/2014	12:22	12/1/2014 12:22		28	30	0	78	0.0				5529.30
	12/1/2014	12:31	12/1/2014 12:31		34	35	8	79	16.4		74.0	8.5	5537.76
	12/1/2014	12:50	12/1/2014 12:50		34	35	9	80	18.5		331.9	38.0	5575.73
	12/1/2014	14:08	12/1/2014 14:08		34	35	10	78	20.6		1523.6	174.3	5750.03
	12/1/2014	16:21	12/1/2014 16:21		34	35	12	70	24.9		3023.7	345.9	6095.95
	12/1/2014	17:01	12/1/2014 17:01		34	34.5	12	68	24.9		996.6	114.0	6209.95
	12/1/2014	17:02	12/1/2014 17:02			27.5					24.9	2.9	6212.81
SW-67 Event 7	12/3/2014	7:37	12/3/2014 7:37		30	29	0	64	0.0				6212.81

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/3/2014	7:59	12/3/2014 7:59		30	28	4	64	8.0		87.9	10.1	6222.86
	12/3/2014	8:00	12/3/2014 8:00		35	32	10	64	21.1		14.5	1.7	6224.53
	12/3/2014	8:22	12/3/2014 8:22		35	32	12	65	25.3		509.9	58.3	6282.86
	12/3/2014	9:33	12/3/2014 9:33		35	32	12	66	25.2		1793.4	205.2	6488.02
	12/3/2014	10:42	12/3/2014 10:42		35	31.5	13	70	27.2		1810.9	207.2	6695.19
	12/3/2014	10:44	12/3/2014 10:44		37	32.5	16	70	34.2		61.5	7.0	6702.22
	12/3/2014	12:00	12/3/2014 12:00		37	32	16	76	34.0		2592.3	296.6	6998.78
	12/3/2014	12:01	12/3/2014 12:01			25					34.0	3.9	7002.67
SW-67 Event 8	12/9/2014	12:45	12/9/2014 12:45		28	28	0	74	0.0				7002.67
	12/9/2014	12:53	12/9/2014 12:53		28	27	<2	74	0.0		0.0	0.0	7002.67
	12/9/2014	12:54	12/9/2014 12:54		35	33	9	74	18.8		9.4	1.1	7003.75
	12/9/2014	14:11	12/9/2014 14:11		34	31	13.5	73	27.9		1798.2	205.7	7209.46
	12/9/2014	14:12	12/9/2014 14:12		37	32	17	73	36.2		32.1	3.7	7213.13
	12/9/2014	14:58	12/9/2014 14:58		37	32	16	71	34.2		1619.6	185.3	7398.40
	12/9/2014	14:59	12/9/2014 14:59		39	33	18	71	39.2		36.7	4.2	7402.60
	12/9/2014	17:11	12/9/2014 17:11		39	32	20	63	43.9		5484.3	627.4	8030.01
	12/9/2014	17:12	12/9/2014 17:12			25					43.9	5.0	8035.03
SW-67 Event 9	12/11/2014	13:00	12/11/2014 13:00		28	27	0	72	0.0				8035.03
	12/11/2014	13:02	12/11/2014 13:02		36	34.5	0	72	0.0		0.0	0.0	8035.03
	12/11/2014	14:26	12/11/2014 14:26		35	31.5	12	73	25.1		1053.1	120.5	8155.51
	12/11/2014	14:27	12/11/2014 14:27		37	33	15	73	32.0		28.5	3.3	8158.77
	12/11/2014	15:29	12/11/2014 15:29		37	32.5	16	70	34.2		2051.8	234.7	8393.49
	12/11/2014	16:56	12/11/2014 16:56		37	32	17	62	36.6		3081.8	352.6	8746.05
	12/11/2014	16:57	12/11/2014 16:57			25					36.6	4.2	8750.24
SW-67 Event 10	12/16/2014	7:40	12/16/2014 7:40		28	29	0	54	0.0				8750.24
	12/16/2014	7:55	12/16/2014 7:55		28	29	3	56	5.9		44.3	5.1	8755.30
	12/16/2014	7:56	12/16/2014 7:56		33	33	8	56	16.6		11.3	1.3	8756.59
	12/16/2014	10:17	12/16/2014 10:17		33	32	11.5	71	23.6		2836.1	324.4	9081.04
	12/16/2014	10:18	12/16/2014 10:18		34	33	14	71	29.0		26.3	3.0	9084.05
	12/16/2014	11:22	12/16/2014 11:22		34	32.5	14	73	29.0		1854.8	212.2	9296.24
	12/16/2014	12:19	12/16/2014 12:19		34	32.5	14	73	29.0		1650.3	188.8	9485.03
	12/16/2014	12:20	12/16/2014 12:20			28.5					29.0	3.3	9488.34
SW-67 Event 11	2/5/2015	12:19	2/5/2015 12:19		27	29	0	66	0.0				9488.34
	2/5/2015	12:37	2/5/2015 12:37		27	28	3	70	5.8		51.8	5.9	9494.26
	2/5/2015	12:38	2/5/2015 12:38		35	34	11	70	23.1		14.4	1.6	9495.91
	2/5/2015	13:52	2/5/2015 13:52		35	33.5	13	70	27.2		1860.9	212.9	9708.80
	2/5/2015	15:05	2/5/2015 15:05		35	33	14	70	29.3		2065.2	236.3	9945.06
	2/5/2015	16:02	2/5/2015 16:02		35	33	15	70	31.4		1732.0	198.1	10143.21
	2/5/2015	16:47	2/5/2015 16:47		34	32	16	65	33.3		1457.6	166.8	10309.96
	2/5/2015	16:48	2/5/2015 16:48			26					33.3	3.8	10313.78
SW-67 Event 12	2/12/2015	7:46	2/12/2015 7:46		26	28	0	52	0.0				10313.78
	2/12/2015	8:21	2/12/2015 8:21		26	25.5	4	56	7.7		134.4	15.4	10329.15
	2/12/2015	8:22	2/12/2015 8:22		36	34	15	56	32.2		19.9	2.3	10331.44
	2/12/2015	9:42	2/12/2015 9:42		36	33.5	16	67	34.0		2646.9	302.8	10634.24
	2/12/2015	11:52	2/12/2015 11:52		36	32	18	70	38.1		4685.0	536.0	11170.20
	2/12/2015	13:11	2/12/2015 13:11		36	31.5	19	72	40.1		3090.8	353.6	11523.79
	2/12/2015	13:12	2/12/2015 13:12			26					40.1	4.6	11528.38
SW-67 Event 13	2/27/2015	7:54	2/27/2015 7:54		29.5	32	0	51	0.0				11528.38
	2/27/2015	8:17	2/27/2015 8:17		28	28	7.5	52	14.8		170.4	19.5	11547.87
	2/27/2015	8:18	2/27/2015 8:18		34.5	34	15.5	52	32.9		23.9	2.7	11550.60
	2/27/2015	9:31	2/27/2015 9:31		36	33	16	56	34.3		2454.6	280.8	11831.41

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/27/2015	10:57	2/27/2015 10:57		35	32	18	58	38.2		3118.4	356.7	12188.16
	2/27/2015	10:58	2/27/2015 10:58			26					38.2	4.4	12192.52
Total CO2 Mass (lbs):												12192.52	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-68 Event 1	10/24/2014	8:32	10/24/2014 8:32		21	23	0	58	0.0				0.00
	10/24/2014	8:59	10/24/2014 8:59		22	22	0	60	0.0		0.0	0.00	0.00
	10/24/2014	9:00	10/24/2014 9:00		30	31	0	60	0.0		0.0	0.00	0.00
	10/24/2014	9:11	10/24/2014 9:11		30	31	0	62	0.0		0.0	0.00	0.00
	10/24/2014	9:12	10/24/2014 9:12		36	36	4	62	8.5		4.3	0.49	0.49
	10/24/2014	10:07	10/24/2014 10:07		36	36	8	70	16.9		700.4	80.13	80.62
	10/24/2014	11:16	10/24/2014 11:16		36	35	9	82	18.8		1234.0	141.17	221.79
	10/24/2014	11:50	10/24/2014 11:50		36	35	10	80	21.0		676.5	77.40	299.18
	10/24/2014	12:54	10/24/2014 12:54		36	35	10	84	20.9		1339.2	153.20	452.39
	10/24/2014	13:57	10/24/2014 13:57		36	35	10	86	20.8		1314.5	150.38	602.76
10/24/2014	13:58	10/24/2014 13:58								20.8	2.38	605.15	
SW-68 Event 2	10/31/2014	7:34	10/31/2014 7:34		24	24	0	60	0.0				605.15
	10/31/2014	7:44	10/31/2014 7:44		35	35	4	62	8.4		42.2	4.83	609.98
	10/31/2014	8:19	10/31/2014 8:19		35	35	6	66	12.6		368.8	42.19	652.17
	10/31/2014	10:19	10/31/2014 10:19		35	35	8	78	16.6		1755.5	200.83	853.00
	10/31/2014	11:29	10/31/2014 11:29		35	35	9	80	18.7		1236.0	141.40	994.39
	10/31/2014	11:30	10/31/2014 11:30			28					18.7	2.14	996.53
SW-68 Event 3	11/3/2014	12:25	11/3/2014 12:25		30	33.5	0	80	0.0				996.53
	11/3/2014	12:35	11/3/2014 12:35		32	32.5	2	80	4.0		20.1	2.30	998.83
	11/3/2014	12:37	11/3/2014 12:37		33	34	4	80	8.1		12.2	1.39	1000.22
	11/3/2014	12:59	11/3/2014 12:59		33	34	4	75	8.2		179.3	20.51	1020.73
	11/3/2014	13:15	11/3/2014 13:15		33	33.5	4	75	8.2		130.7	14.95	1035.69
	11/3/2014	14:18	11/3/2014 14:18		33	33	5	74	10.2		579.3	66.28	1101.96
	11/3/2014	15:16	11/3/2014 15:16		33	33	5	74	10.2		592.9	67.82	1169.79
	11/3/2014	16:18	11/3/2014 16:18		32	33	5	72	10.1		631.0	72.18	1241.97
	11/3/2014	16:39	11/3/2014 16:39		32	33	5	69	10.2		213.1	24.38	1266.35
	11/3/2014	16:40	11/3/2014 16:40			27					10.2	1.16	1267.51
SW-68 Event 4	11/11/2014	8:15	11/11/2014 8:15		24	26	0	68	0				1267.51
	11/11/2014	8:18	11/11/2014 8:18		36	36	<2	68	0		0	0	1267.51
	11/11/2014	9:35	11/11/2014 9:35		36	36	8	75	16.9		648.8	74.2	1341.74
	11/11/2014	11:09	11/11/2014 11:09		36	36	8.5	78	17.9		1631.3	186.6	1528.35
	11/11/2014	11:54	11/11/2014 11:54		35	35	8.5	80	17.6		798.6	91.4	1619.72
	11/11/2014	11:55	11/11/2014 11:55		36	36	10	80	21.0		19.3	2.2	1621.93
	11/11/2014	14:39	11/11/2014 14:39		34	34	12	80	24.6		3740.3	427.9	2049.82
	11/11/2014	15:59	11/11/2014 15:59		39	37	16	80	34.5		2367.5	270.8	2320.66
	11/11/2014	16:01	11/11/2014 16:01		38	36	14	80	29.9		64.5	7.4	2328.03
	11/11/2014	16:49	11/11/2014 16:49		38	36	16	74	34.4		1544.2	176.7	2504.69
	11/11/2014	17:10	11/11/2014 17:10		37	35	16	72	34.1		719.8	82.3	2587.04
11/11/2014	17:11	11/11/2014 17:11			30					34.1	3.9	2590.94	
SW-68 Event 5	11/13/2014	7:36	11/13/2014 7:36		30	28	0	66	0.0				2590.94
	11/13/2014	7:38	11/13/2014 7:38		38	35	7	66	15.2		15.2	1.7	2592.68
	11/13/2014	8:13	11/13/2014 8:13		38	35	11	68	23.8		682.0	78.0	2670.69
	11/13/2014	8:30	11/13/2014 8:30		38	34	12	70	25.9		422.5	48.3	2719.02
	11/13/2014	8:31	11/13/2014 8:31		40	35.5	15.5	70	34.1		30.0	3.4	2722.46
	11/13/2014	9:28	11/13/2014 9:28		39	34	16	72	34.8		1964.0	224.7	2947.14
	11/13/2014	9:32	11/13/2014 9:32		40	35	18	72	39.5		148.7	17.0	2964.15
	11/13/2014	11:09	11/13/2014 11:09		40	34	18	78	39.3		3823.0	437.3	3401.50
	11/13/2014	13:34	11/13/2014 13:34		36	31	16	77	33.6		5288.0	604.9	4006.44
	11/13/2014	15:30	11/13/2014 15:30		36	31.5	18	74	38.0		4152.6	475.1	4481.50
	11/13/2014	16:25	11/13/2014 16:25		36	30.5	18	72	38.0		2089.6	239.1	4720.56
	11/13/2014	17:22	11/13/2014 17:22		49	36	28	70	66.6		2981.4	341.1	5061.64

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)	
	11/13/2014	17:24	11/13/2014 17:24			28					133.2	15.2	5076.87	
SW-68 Event 6	11/17/2014	8:15	11/17/2014 8:15		40	36	0	70	0.0				5076.87	
	11/17/2014	8:41	11/17/2014 8:41		37	35	18	70	38.5		500.3	57.2	5134.10	
	11/17/2014	10:05	11/17/2014 10:05		37	36	18	76	38.3		3223.3	368.7	5502.85	
	11/17/2014	11:10	11/17/2014 11:10		36	36	18	78	37.8		2472.3	282.8	5785.68	
	11/17/2014	12:38	11/17/2014 12:38		36	35	20	78	42.0		3512.1	401.8	6187.46	
	11/17/2014	12:38	11/17/2014 12:38			28					0.0	0.0	6187.46	
SW-68 Event 7	11/18/2014	7:40	11/18/2014 7:40		36	36	14	42	30.5				6187.46	
	11/18/2014	8:07	11/18/2014 8:07		35	35	18	52	38.4		930.1	106.4	6293.86	
	11/18/2014	9:21	11/18/2014 9:21		35	35	18	60	38.1		2830.6	323.8	6617.69	
	11/18/2014	10:38	11/18/2014 10:38		35	35	18	62	38.0		2930.6	335.3	6952.95	
	11/18/2014	12:10	11/18/2014 12:10		34	34	20	68	41.6		3660.9	418.8	7371.75	
	11/18/2014	12:11	11/18/2014 12:11			35		68			41.6	4.8	7376.51	
SW-68 Event 8	11/21/2014	7:34	11/21/2014 7:34		29	27	0	54	0.0				7376.51	
	11/21/2014	7:35	11/21/2014 7:35		35	35	5	54	10.6		5.3	0.6	7377.12	
	11/21/2014	8:22	11/21/2014 8:22		35	31	12	58	25.4		848.3	97.0	7474.16	
	11/21/2014	8:24	11/21/2014 8:24		39	34	16	58	35.3		60.7	6.9	7481.11	
	11/21/2014	10:15	11/21/2014 10:15		38	34	16	72	34.5		3872.4	443.0	7924.11	
	11/21/2014	12:06	11/21/2014 12:06		36	32	16	76	33.7		3782.3	432.7	8356.80	
	11/21/2014	12:27	11/21/2014 12:27		36	32	16	76	33.7		707.1	80.9	8437.70	
	11/21/2014	12:28	11/21/2014 12:28			27					33.7	3.9	8441.55	
SW-68 Event 9	12/2/2014	8:02	12/2/2014 8:02		30	30	0	66	0.0				8441.55	
	12/2/2014	8:47	12/2/2014 8:47		38	37	14	66	30.3		682.8	78.1	8519.66	
	12/2/2014	10:19	12/2/2014 10:19		38	37	12.5	76	26.8		2630.1	300.9	8820.54	
	12/2/2014	11:53	12/2/2014 11:53		38	37	13	82	27.7		2564.8	293.4	9113.96	
	12/2/2014	12:48	12/2/2014 12:48		38	37	13	82	27.7		1525.8	174.5	9288.51	
	12/2/2014	12:49	12/2/2014 12:49			32					27.7	3.2	9291.68	
SW-68 Event 10	12/4/2014	12:27	12/4/2014 12:27		30	30	4	80	7.9				9291.68	
	12/4/2014	13:06	12/4/2014 13:06		29	28	7	80	13.6		418.8	47.9	9339.60	
	12/4/2014	13:07	12/4/2014 13:07		39	34	17	80	36.7		25.2	2.9	9342.47	
	12/4/2014	15:00	12/4/2014 15:00		39	33	17	74	36.9		4158.8	475.8	9818.24	
	12/4/2014	16:16	12/4/2014 16:16		39	33	18	70	39.2		2893.5	331.0	10149.26	
	12/4/2014	17:00	12/4/2014 17:00		38	33	18	69	38.9		1719.0	196.7	10345.91	
	12/4/2014	17:01	12/4/2014 17:01			28					38.9	4.5	10350.36	
SW-68 Event 11	2/20/2015	8:04	2/20/2015 8:04		32	33	0	38	0.0				10350.36	
	2/20/2015	8:31	2/20/2015 8:31		31	31.5	4	44	8.2		111.3	12.7	10350.36	
	2/20/2015	8:32	2/20/2015 8:32		37	37	10	44	22.0		15.1	1.7	10352.09	
	2/20/2015	9:48	2/20/2015 9:48		37	36	11	54	23.9		1742.2	199.3	10551.40	
	2/20/2015	11:33	2/20/2015 11:33		37	36	12	60	25.9		2615.1	299.2	10850.57	
	2/20/2015	13:09	2/20/2015 13:09		36	35.5	13	60	27.8		2578.0	294.9	11145.49	
	2/20/2015	15:15	2/20/2015 15:15		36	34	15	58	32.1		3775.6	431.9	11577.42	
	2/20/2015	16:43	2/20/2015 16:43		36	34	16	56	34.3		2925.2	334.6	11912.07	
	2/20/2015	16:44	2/20/2015 16:44			29					34.3	3.9	11916.00	
SW-68 Event 12	4/9/2015	9:46	4/9/2015 9:46		30	32.5	<2	87	0.0				11916.00	
	4/9/2015	9:58	4/9/2015 9:58		31	31	4	87	7.9		47.4	5.4	11921.42	
	4/9/2015	10:01	4/9/2015 10:01		36	36	9.5	87	19.8		41.5	4.8	11926.18	
	4/9/2015	10:53	4/9/2015 10:53		36	35.5	10.5	84	21.9		1084.5	124.1	12050.25	
	4/9/2015	11:58	4/9/2015 11:58		36	35	12	86	25.0		1525.6	174.5	12224.78	
	4/9/2015	12:00	4/9/2015 12:00			29					50.0	5.7	12230.50	
												Total CO2 Mass (lbs):		12230.50

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-69 Event 1	10/23/2014	8:25	10/23/2014 8:25		22	23	0	56	0.0				
	10/23/2014	8:42	10/23/2014 8:42		28	29	0	60	0.0		0.0	0.0	0.00
	10/23/2014	9:01	10/23/2014 9:01		35	35	0	66	0.0		0.0	0.0	0.00
	10/23/2014	9:59	10/23/2014 9:59		35	33	4	72	8.4		242.6	27.8	27.76
	10/23/2014	10:46	10/23/2014 10:46		32	32	6	76	12.1		481.2	55.1	82.81
	10/23/2014	10:48	10/23/2014 10:48		36	34	7	76	14.7		26.8	3.1	85.88
	10/23/2014	12:07	10/23/2014 12:07		35	34	8	80	16.6		1237.7	141.6	227.48
	10/23/2014	13:42	10/23/2014 13:42		35	33	9	80	18.7		1675.9	191.7	419.20
	10/23/2014	14:45	10/23/2014 14:45		35	33	10	80	20.8		1242.1	142.1	561.29
	10/23/2014	16:17	10/23/2014 16:17		34	33	10	80	20.5		1899.6	217.3	778.60
	10/23/2014	16:35	10/23/2014 16:35		33	33	10	80	20.3		367.8	42.1	820.68
10/23/2014	16:36	10/23/2014 16:36								20.3	2.3	823.01	
SW-69 Event 2	11/4/2014	12:32	11/4/2014 12:32		21	21	0	78	0.0				823.01
	11/4/2014	12:34	11/4/2014 12:34		34	34	0	78	0.0		0.0	0.0	823.01
	11/4/2014	12:52	11/4/2014 12:52		33	33	5	80	10.2		91.5	10.5	833.47
	11/4/2014	12:54	11/4/2014 12:54		34	34	7	80	14.4		24.5	2.8	836.28
	11/4/2014	13:14	11/4/2014 13:14		34	34	7	82	14.4		287.3	32.9	869.14
	11/4/2014	14:40	11/4/2014 14:40		34	32.5	9	78	18.5		1413.6	161.7	1030.86
	11/4/2014	14:41	11/4/2014 14:41		37	35	12	78	25.5		22.0	2.5	1033.37
	11/4/2014	15:28	11/4/2014 15:28		37	35	12	76	25.5		1197.7	137.0	1170.38
	11/4/2014	16:58	11/4/2014 16:58		37	35	14	70	29.9		2494.8	285.4	1455.79
	11/4/2014	16:59	11/4/2014 16:59			24					29.9	3.4	1459.21
SW-69 Event 3	11/7/2014	11:54	11/7/2014 11:54		27	26	0	76	0				1459.21
	11/7/2014	11:56	11/7/2014 11:56		34	33	0	76	0		0.0	0.0	1459.21
	11/7/2014	12:13	11/7/2014 12:13		33	32	4	76	8.2		69.4	7.9	1467.15
	11/7/2014	12:14	11/7/2014 12:14		36	35	6	76	12.6		10.4	1.2	1468.34
	11/7/2014	13:25	11/7/2014 13:25		36	34	8	77	16.8		1045.4	119.6	1587.93
	11/7/2014	14:50	11/7/2014 14:50		35	33	10	78	20.8		1598.6	182.9	1770.81
	11/7/2014	14:52	11/7/2014 14:52		38	35	14	78	30.0		50.8	5.8	1776.62
	11/7/2014	16:01	11/7/2014 16:01		38	35	14	74	30.1		2073.4	237.2	2013.82
	11/7/2014	16:02	11/7/2014 16:02			25					30.1	3.4	2017.27
	11/7/2014	16:02	11/7/2014 16:02										2017.27
SW-69 Event 4	11/12/2014	7:28	11/12/2014 7:28		26	26	0	55	0.0				2017.27
	11/12/2014	7:29	11/12/2014 7:29		34	33	4	55	8.4		4.2	0.5	2017.75
	11/12/2014	7:35	11/12/2014 7:35		36	35	6.5	58	13.9		67.0	7.7	2025.42
	11/12/2014	8:07	11/12/2014 8:07		36	35	8.5	68	18.0		511.3	58.5	2083.91
	11/12/2014	8:08	11/12/2014 8:08		37	36	10	68	21.4		19.7	2.3	2086.16
	11/12/2014	9:08	11/12/2014 9:08		37	34.5	12	70	25.7		1412.4	161.6	2247.74
	11/12/2014	9:09	11/12/2014 9:09		39	36	14	70	30.5		28.1	3.2	2250.96
	11/12/2014	11:10	11/12/2014 11:10		36	33	14	77	29.4		3627.1	414.9	2665.90
	11/12/2014	12:30	11/12/2014 12:30		36	32	14	80	29.4		2351.5	269.0	2934.90
	11/12/2014	12:31	11/12/2014 12:31			25					29.4	3.4	2938.26
SW-69 Event 5	11/18/2014	12:05	11/18/2014 12:05		24	24	0	66	0.0				2938.26
	11/18/2014	12:09	11/18/2014 12:09		34	33	2	66	4.2		8.3	1.0	2939.21
	11/18/2014	12:11	11/18/2014 12:11		34	33	4	66	8.3		12.5	1.4	2940.64
	11/18/2014	14:00	11/18/2014 14:00		34	30	10	64	20.9		1591.0	182.0	3122.66
	11/18/2014	14:01	11/18/2014 14:01		37	33	14	64	30.1		25.5	2.9	3125.57
	11/18/2014	15:30	11/18/2014 15:30		37	33	15	65	32.2		2774.2	317.4	3442.94
	11/18/2014	16:52	11/18/2014 16:52		37	32	17	60	36.7		2826.6	323.4	3766.30
	11/18/2014	16:53	11/18/2014 16:53			25					36.7	4.2	3770.50
SW-69 Event 6	11/20/2014	7:31	11/20/2014 7:31		36	36	2	31	4.4				3770.50
	11/20/2014	7:48	11/20/2014 7:48		35	34	10	42	21.6		220.7	25.2	3795.75

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/20/2014	8:57	11/20/2014 8:57		34	33	13	60	27.2		1683.2	192.6	3988.31
	11/20/2014	10:24	11/20/2014 10:24		34	33	14	62	29.3		2457.7	281.2	4269.47
	11/20/2014	11:49	11/20/2014 11:49		34	33	16	70	33.2		2654.3	303.6	4573.12
	11/20/2014	11:50	11/20/2014 11:50			26		70			33.2	3.8	4576.92
SW-69 Event 7	11/23/2014	12:36	11/23/2014 12:36		25	26	0	76	0.0				4576.92
	11/23/2014	12:42	11/23/2014 12:42		35	36	6	76	12.5		37.5	4.3	4581.21
	11/23/2014	12:53	11/23/2014 12:53		35	36	10	76	20.8		183.3	21.0	4602.19
	11/23/2014	14:32	11/23/2014 14:32		34	33	12	76	24.7		2256.1	258.1	4860.29
	11/23/2014	14:33	11/23/2014 14:33		38	36	16	76	34.3		29.5	3.4	4863.67
	11/23/2014	15:37	11/23/2014 15:37		38	35	18	72	38.8		2340.1	267.7	5131.37
	11/23/2014	16:57	11/23/2014 16:57		38	34	19.5	70	42.1		3235.5	370.1	5501.51
	11/23/2014	16:58	11/23/2014 16:58			26					42.1	4.8	5506.32
SW-69 Event 8	12/1/2014	8:40	12/1/2014 8:40		29	29	0	64	0.0				5506.32
	12/1/2014	8:56	12/1/2014 8:56		28	29	4	68	7.8		62.2	7.1	5513.44
	12/1/2014	8:57	12/1/2014 8:57		35	34.5	10.5	68	22.0		14.9	1.7	5515.15
	12/1/2014	9:52	12/1/2014 9:52		35	34	12	72	25.1		1296.5	148.3	5663.47
	12/1/2014	9:54	12/1/2014 9:54		39	36	16	72	34.8		59.9	6.9	5670.32
	12/1/2014	11:34	12/1/2014 11:34		38	35	17	76	36.5		3564.8	407.8	6078.13
	12/1/2014	12:22	12/1/2014 12:22		38	35	18	78	38.6		1801.2	206.1	6284.19
	12/1/2014	12:23	12/1/2014 12:23			27					38.6	4.4	6288.60
SW-69 Event 9	12/3/2014	7:41	12/3/2014 7:41		29	29	0	62	0.0				6288.60
	12/3/2014	7:54	12/3/2014 7:54		38	36	11	62	23.9		155.6	17.8	6306.40
	12/3/2014	8:09	12/3/2014 8:09		38	36	12	62	26.1		375.4	42.9	6349.34
	12/3/2014	9:17	12/3/2014 9:17		38	35	14	64	30.4		1921.7	219.8	6569.19
	12/3/2014	9:18	12/3/2014 9:18		40	36	18	64	39.8		35.1	4.0	6573.20
	12/3/2014	10:49	12/3/2014 10:49		40	35	18	70	39.6		3614.9	413.5	6986.75
	12/3/2014	10:50	12/3/2014 10:50		42	36	22	70	49.3		44.5	5.1	6991.83
	12/3/2014	12:20	12/3/2014 12:20		40	36	22	78	48.0		4379.8	501.1	7492.88
	12/3/2014	12:21	12/3/2014 12:21			26					48.0	5.5	7498.38
SW-69 Event 10	12/5/2014	12:08	12/5/2014 12:08		30	30	0	66	0.0				7498.38
	12/5/2014	12:22	12/5/2014 12:22		36	35	12	66	25.5		178.5	20.4	7518.80
	12/5/2014	14:10	12/5/2014 14:10		36	34	12.5	68	26.5		2809.0	321.3	7840.15
	12/5/2014	15:35	12/5/2014 15:35		36	34.5	15	67	31.8		2480.4	283.8	8123.90
	12/5/2014	16:55	12/5/2014 16:55		36	33.5	16	66	34.0		2634.1	301.3	8425.25
	12/5/2014	16:56	12/5/2014 16:56			26					34.0	3.9	8429.14
Total CO2 Mass (lbs):												8429.14	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-70 Event 1	10/24/2014	8:19	10/24/2014 8:19		23	24	0	54	0.0				
	10/24/2014	8:55	10/24/2014 8:55		23	24	0	58	0.0		0.0	0.00	0.00
	10/24/2014	8:57	10/24/2014 8:57		30	30	4	58	8.0		8.0	0.92	0.92
	10/24/2014	9:08	10/24/2014 9:08		30	30	6	62	12.0		110.3	12.61	13.53
	10/24/2014	9:09	10/24/2014 9:09		34	34	10	62	20.9		16.5	1.88	15.42
	10/24/2014	10:02	10/24/2014 10:02		34	32	13	72	26.9		1267.1	144.96	160.38
	10/24/2014	11:10	10/24/2014 11:10		34	32	14	78	28.8		1894.6	216.74	377.12
	10/24/2014	11:48	10/24/2014 11:48		34	32	14	78	28.8		1094.9	125.25	502.37
	10/24/2014	12:52	10/24/2014 12:52		33	31	14	80	28.5		1832.6	209.65	712.02
	10/24/2014	13:55	10/24/2014 13:55		33	31	15	80	30.5		1856.8	212.41	924.44
10/24/2014	13:56	10/24/2014 13:56								30.5	3.49	927.92	
SW-70 Event 2	10/30/2014	8:16	10/30/2014 8:16		22	24	0	66	0.0				927.92
	10/30/2014	8:20	10/30/2014 8:20		32	32.5	0	66	0.0		0.0	0.00	927.92
	10/30/2014	8:28	10/30/2014 8:28		32	31	9	66	18.3		73.4	8.39	936.32
	10/30/2014	9:23	10/30/2014 9:23		32	31	11	76	22.2		1115.1	127.57	1063.89
	10/30/2014	10:38	10/30/2014 10:38		31	30	11	80	21.9		1653.1	189.12	1253.00
	10/30/2014	10:39	10/30/2014 10:39		34	32	15	80	30.8		26.3	3.01	1256.02
	10/30/2014	11:48	10/30/2014 11:48		34	32	15	84	30.7		2121.9	242.75	1498.77
	10/30/2014	11:49	10/30/2014 11:49			24					30.7	3.51	1502.28
SW-70 Event 3	11/5/2014	7:37	11/5/2014 7:37		26	27	0	63	0.0				1502.28
	11/5/2014	7:42	11/5/2014 7:42		31	32	4	64	8.1		20.2	2.31	1504.59
	11/5/2014	8:04	11/5/2014 8:04		31	31	8	69	16.1		265.8	30.41	1534.99
	11/5/2014	8:05	11/5/2014 8:05		32	32	10	69	20.3		18.2	2.08	1537.08
	11/5/2014	9:12	11/5/2014 9:12		32	32	10	76	20.2		1357.1	155.25	1692.33
	11/5/2014	9:14	11/5/2014 9:14		34	34	12	76	24.7		44.9	5.14	1697.47
	11/5/2014	10:47	11/5/2014 10:47		34	34	13	81	26.7		2391.1	273.54	1971.01
	11/5/2014	12:37	11/5/2014 12:37		34	33	15	83	29.7		3100.7	354.72	2325.73
	11/5/2014	12:39	11/5/2014 12:39			26					59.4	6.80	2332.53
SW-70 Event 4	11/11/2014	8:06	11/11/2014 8:06		24	22	0	61	0.0				2332.53
	11/11/2014	8:08	11/11/2014 8:08		33	30	0	61	0.0		0	0	2332.53
	11/11/2014	9:24	11/11/2014 9:24		30	26	18	74	35.6		1353.0	154.8	2487.31
	11/11/2014	9:26	11/11/2014 9:26		38	30	26	74	55.9		91.5	10.5	2497.78
	11/11/2014	11:06	11/11/2014 11:06		37	31	22	80	46.6		5124.8	586.3	3084.06
	11/11/2014	11:49	11/11/2014 11:49		36	30	21	80	44.0		1948.1	222.9	3306.92
	11/11/2014	11:50	11/11/2014 11:50		37	30.5	22	80	46.6		45.3	5.2	3312.11
	11/11/2014	14:30	11/11/2014 14:30		34	31	16	82	32.8		6350.8	726.5	4038.64
	11/11/2014	14:31	11/11/2014 14:31			26					32.8	3.8	4042.39
SW-70 Event 5	11/13/2014	12:42	11/13/2014 12:42		29	29	0	79	0				4042.39
	11/13/2014	12:44	11/13/2014 12:44		34	34	6	79	12.3		12.3	1.4	4043.80
	11/13/2014	13:47	11/13/2014 13:47		33	31	12	78	24.4		1158.4	132.5	4176.32
	11/13/2014	13:48	11/13/2014 13:48		36	34	16	78	33.6		29.0	3.3	4179.64
	11/13/2014	15:50	11/13/2014 15:50		36	33	16	74	33.7		4108.2	470.0	4649.62
	11/13/2014	16:37	11/13/2014 16:37		36	33	16	73	33.8		1586.5	181.5	4831.11
	11/13/2014	17:17	11/13/2014 17:17		42	35	22	72	49.2		1659.5	189.8	5020.96
	11/13/2014	17:18	11/13/2014 17:18			29					49.2	5.6	5026.59
SW-70 Event 6	11/21/2014	7:42	11/21/2014 7:42		24	24	0	42	0.0				5026.59
	11/21/2014	8:01	11/21/2014 8:01		35	33	14	50	29.9		284.4	32.5	5059.12
	11/21/2014	10:08	11/21/2014 10:08		34	32	15	69	31.1		3878.3	443.7	5502.79
	11/21/2014	10:09	11/21/2014 10:09		36	33	18	69	38.1		34.6	4.0	5506.76
	11/21/2014	12:01	11/21/2014 12:01		35	32	18	74	37.6		4240.1	485.1	5991.83
	11/21/2014	12:29	11/21/2014 12:29		35	32	18	74	37.6		1052.1	120.4	6112.19

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/21/2014	12:30	11/21/2014 12:30			27					37.6	4.3	6116.48
SW-70 Event 7	11/25/2014	7:34	11/25/2014 7:34		30	30	0	66	0.0				6116.48
	11/25/2014	7:35	11/25/2014 7:35		32	32	<2	66	0.0		0.0	0.0	6116.48
	11/25/2014	7:57	11/25/2014 7:57		32	30	8	66	16.3		179.4	20.5	6137.01
	11/25/2014	7:58	11/25/2014 7:58		37	34	16	66	34.3		25.3	2.9	6139.90
	11/25/2014	9:38	11/25/2014 9:38		37	33	16	68	34.3		3431.1	392.5	6532.42
	11/25/2014	11:16	11/25/2014 11:16		37	32.5	18	70	38.5		3565.3	407.9	6940.29
	11/25/2014	12:16	11/25/2014 12:16		37	32.5	18	72	38.4		2306.9	263.9	7204.20
	11/25/2014	12:18	11/25/2014 12:18			27.5					76.8	8.8	7212.98
SW-70 Event 8	12/8/2014	8:00	12/8/2014 8:00		28	28	0	53	0.0				7212.98
	12/8/2014	9:02	12/8/2014 9:02		28	26	5	54	9.9		305.5	35.0	7247.94
	12/8/2014	9:03	12/8/2014 9:03		37	32	18	54	39.1		24.5	2.8	7250.74
	12/8/2014	10:44	12/8/2014 10:44		37	33	16	60	34.6		3719.7	425.5	7676.27
	12/8/2014	12:40	12/8/2014 12:40		36	32	18	60	38.5		4236.1	484.6	8160.88
	12/8/2014	12:41	12/8/2014 12:41			27					38.5	4.4	8165.28
Total CO ₂ Mass (lbs):												8165.28	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-71 Event 1	10/22/2014	9:05	10/22/2014 9:05		21	20	0	68	0.0				
	10/22/2014	9:26	10/22/2014 9:26		20	20	0	70	0.0		0.0	0.00	0.00
	10/22/2014	9:27	10/22/2014 9:27		26	25	0	70	0.0		0.0	0.00	0.00
	10/22/2014	9:35	10/22/2014 9:35		32	30	5	70	10.2		40.6	4.65	4.65
	10/22/2014	9:50	10/22/2014 9:50		32	30	7	72	14.2		182.5	20.88	25.53
	10/22/2014	9:55	10/22/2014 9:55		34	31	9	72	18.6		82.0	9.39	34.91
	10/22/2014	10:21	10/22/2014 10:21		34	31	9	76	18.6		483.5	55.31	90.22
	10/22/2014	11:44	10/22/2014 11:44		34	31	10	78	20.6		1624.3	185.81	276.03
	10/22/2014	13:50	10/22/2014 13:50		34	31	11	82	22.6		2717.3	310.86	586.90
	10/22/2014	15:23	10/22/2014 15:23		34	31	12	82	24.6		2192.6	250.84	837.73
	10/22/2014	16:25	10/22/2014 16:25		34	30	12	80	24.6		1526.8	174.66	1012.40
10/22/2014	17:44	10/22/2014 17:44		34	30	12	76	24.7		1951.0	223.20	1235.60	
SW-71 Event 2	11/5/2014	7:31	11/5/2014 7:31		25	25	0	66	0.0				1235.60
	11/5/2014	7:33	11/5/2014 7:33		32	32	0	66	0.0		0.0	0.00	1235.60
	11/5/2014	7:36	11/5/2014 7:36		32	32	6	66	12.2		18.3	2.10	1237.70
	11/5/2014	7:55	11/5/2014 7:55		32	31	8	70	16.2		270.5	30.95	1268.64
	11/5/2014	8:16	11/5/2014 8:16		32	32	8	73	16.2		340.6	38.97	1307.61
	11/5/2014	8:18	11/5/2014 8:18		33	33	10	73	20.5		36.7	4.19	1311.80
	11/5/2014	9:25	11/5/2014 9:25		33	33	10.5	82	21.3		1399.1	160.06	1471.86
	11/5/2014	9:27	11/5/2014 9:27		35	34.5	13.5	82	28.0		49.3	5.64	1477.50
	11/5/2014	11:04	11/5/2014 11:04		35	34.5	12	82	24.9		2561.8	293.07	1770.57
	11/5/2014	13:19	11/5/2014 13:19		35	34	14	79	29.1		3641.0	416.53	2187.09
	11/5/2014	13:20	11/5/2014 13:20			26					29.1	3.33	2190.42
SW-71 Event 3	11/11/2014	12:12	11/11/2014 12:12		24	27.5	0	84	0.0				2190.42
	11/11/2014	12:14	11/11/2014 12:14		35	35	4	84	8.3		8.26982024	0.946067452	2191.37
	11/11/2014	14:34	11/11/2014 14:34		33	32	6	85	12.1		1428.509331	163.421463	2354.79
	11/11/2014	15:55	11/11/2014 15:55		34	32	8	84	16.4		1154.551459	132.0806885	2486.87
	11/11/2014	15:56	11/11/2014 15:56		36	35	10	84	20.9		18.62728697	2.130961657	2489.00
	11/11/2014	16:52	11/11/2014 16:52		36	35	12	80	25.2		1289.184807	147.4827423	2636.48
	11/11/2014	17:15	11/11/2014 17:15		39	35	12	86	25.8		585.4904204	66.98010254	2703.46
	11/11/2014	17:21	11/11/2014 17:21		39	35	12	75	26.0		155.3506565	17.77211571	2721.24
	11/11/2014	17:23	11/11/2014 17:23			29					52.05813997	5.955451012	2727.19
	11/11/2014	17:23	11/11/2014 17:23			29							2727.19
SW-71 Event 4	11/14/2014	7:20	11/14/2014 7:20		29	28.5	0	52	0.0				2727.19
	11/14/2014	7:22	11/14/2014 7:22		35	34.5	0	52	0.0		0	0	2727.19
	11/14/2014	8:20	11/14/2014 8:20		34	32	6	56	12.6		365.9547186	41.86521912	2769.06
	11/14/2014	8:22	11/14/2014 8:22		37	35.5	10	56	21.7		34.30072891	3.924003363	2772.98
	11/14/2014	9:49	11/14/2014 9:49		37	35	10	60	21.6		1882.50123	215.358139	2988.34
	11/14/2014	11:20	11/14/2014 11:20		36	34	10.5	70	22.2		1993.915082	228.1038818	3216.44
	11/14/2014	12:22	11/14/2014 12:22		37	34.5	13.5	69	28.9		1584.73469	181.2936554	3397.74
	11/14/2014	12:23	11/14/2014 12:23			28					28.89245424	3.305296659	3401.04
SW-71 Event 5	11/18/2014	7:36	11/18/2014 7:36		38	33	0	42	0.0				3401.04
	11/18/2014	8:05	11/18/2014 8:05		33	32	19	48	39.9		578.0301342	66.12664795	3467.17
	11/18/2014	9:20	11/18/2014 9:20		32	32	20	61	41.0		3031.302738	346.7810364	3813.95
	11/18/2014	10:36	11/18/2014 10:36		32	32	20	61	41.0		3113.76503	356.2147217	4170.16
	11/18/2014	12:01	11/18/2014 12:01		31	31	20	61	40.5		3463.460283	396.2198486	4566.38
	11/18/2014	12:02	11/18/2014 12:02			22		61			40.52259034	4.635784149	4571.02
SW-71 Event 6	11/19/2014	11:55	11/19/2014 11:55		35	32	8	62	16.9				4571.02
	11/19/2014	12:26	11/19/2014 12:26		35	31	12	64	25.3		654.0268706	74.82067108	4645.84
	11/19/2014	13:55	11/19/2014 13:55		35	31	12	64	25.3		2251.433079	257.5639343	4903.40
	11/19/2014	15:28	11/19/2014 15:28		35	31	12	68	25.2		2347.975322	268.6083679	5172.01
	11/19/2014	16:41	11/19/2014 16:41		35	31	12	70	25.1		1837.581197	210.2192841	5382.23

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/19/2014	16:42	11/19/2014 16:42			24		70			25.14759809	2.876885176	5385.11
SW-71 Event 7	11/21/2014	7:31	11/21/2014 7:31		31	32	0	48	0.0				5385.11
	11/21/2014	7:34	11/21/2014 7:34		35	34	6	48	12.9		19.28208446	2.20587039	5387.31
	11/21/2014	8:18	11/21/2014 8:18		34	33	8	56	16.8		652.9650001	74.69919586	5462.01
	11/21/2014	8:19	11/21/2014 8:19		36	35	12	56	25.8		21.29298599	2.435917616	5464.45
	11/21/2014	10:28	11/21/2014 10:28		35	34	11	74	23.0		3142.602963	359.5137939	5823.96
	11/21/2014	12:14	11/21/2014 12:14		35	34	11	74	23.0		2433.978256	278.447113	6102.41
	11/21/2014	13:28	11/21/2014 13:28		36	34.5	14	75	29.5		1940.834574	222.0314789	6324.44
	11/21/2014	13:30	11/21/2014 13:30			29					58.9858588	6.747982025	6331.19
SW-71 Event 8	12/3/2014	7:27	12/3/2014 7:27		30	30	0	64	0.0				6331.19
	12/3/2014	7:47	12/3/2014 7:47		29	30	0	64	0.0		0	0	6331.19
	12/3/2014	7:48	12/3/2014 7:48		34	34	7	64	14.6		7.302453942	0.83540076	6332.03
	12/3/2014	8:15	12/3/2014 8:15		34	34	7	66	14.6		393.9424024	45.06701279	6377.09
	12/3/2014	9:25	12/3/2014 9:25		34	34	7	68	14.5		1019.315619	116.6097031	6493.70
	12/3/2014	10:47	12/3/2014 10:47		34	34	7	72	14.5		1190.544671	136.1983185	6629.90
	12/3/2014	12:10	12/3/2014 12:10		34	34	8	76	16.5		1285.94263	147.1118317	6777.01
	12/3/2014	13:18	12/3/2014 13:18		34	33.5	8	79	16.4		1120.119614	128.1416931	6905.15
	12/3/2014	13:19	12/3/2014 13:19		35	34.5	12	79	24.9		20.68854603	2.366769552	6907.52
	12/3/2014	14:40	12/3/2014 14:40		35	35	12	80	24.9		2018.244696	230.887207	7138.41
	12/3/2014	16:11	12/3/2014 16:11		35	35	12	78	25.0		2268.504538	259.5169373	7397.93
	12/3/2014	17:11	12/3/2014 17:11		35	35	12	70	25.1		1503.006706	171.9439697	7569.87
	12/3/2014	17:12	12/3/2014 17:12			30					25.14759835	2.876885176	7572.75
SW-71 Event 9	12/8/2014	12:27	12/8/2014 12:27		30	31	0	65	0.0				7572.75
	12/8/2014	12:39	12/8/2014 12:39		30	29	4	65	8.0		47.8938732	5.479058743	7578.22
	12/8/2014	12:40	12/8/2014 12:40		34	34	9	65	18.8		13.37072234	1.529610634	7579.75
	12/8/2014	14:08	12/8/2014 14:08		34	33.5	9	66	18.7		1649.987579	188.7585754	7768.51
	12/8/2014	16:52	12/8/2014 16:52		34	32	10	62	20.9		3250.994671	371.9137878	8140.43
	12/8/2014	16:53	12/8/2014 16:53								20.90569121	2.391611099	8142.82
SW-71 Event 10	12/18/2014	7:56	12/18/2014 7:56		30	30	0	50	0.0				8142.82
	12/18/2014	8:09	12/18/2014 8:09		30	30	4	52	8.1		52.56347227	6.013261318	8148.83
	12/18/2014	8:10	12/18/2014 8:10		33	33	7	52	14.6		11.35679773	1.299217701	8150.13
	12/18/2014	8:57	12/18/2014 8:57		33	32.5	9	56	18.7		783.8874912	89.67673492	8239.81
	12/18/2014	8:58	12/18/2014 8:58		36	35	14	56	30.1		24.39194306	2.790438175	8242.60
	12/18/2014	10:18	12/18/2014 10:18		36	35	14	63	29.8		2395.888672	274.0896606	8516.69
	12/18/2014	11:18	12/18/2014 11:18		36	35	14	64	29.8		1789.709244	204.7427368	8721.43
	12/18/2014	12:33	12/18/2014 12:33		36	35	14	68	29.7		2231.602121	255.2952728	8976.73
	12/18/2014	12:34	12/18/2014 12:34			30					29.69575288	3.397194147	8980.12
SW-71 Event 11	1/12/2015	8:26	1/12/2015 8:26		31	31	0	60	0.0				8980.12
	1/12/2015	8:45	1/12/2015 8:45		35	35	11	64	23.2		220.294713	25.20171547	9005.32
	1/12/2015	9:00	1/12/2015 9:00		36	36	10	64	21.3		333.6327838	38.16759109	9043.49
	1/12/2015	11:28	1/12/2015 11:28		36	36	12	64	25.6		3466.899887	396.6133423	9440.11
	1/12/2015	12:49	1/12/2015 12:49		36	35.5	12.5	69	26.5		2107.721309	241.1233063	9681.23
	1/12/2015	13:48	1/12/2015 13:48		36	35.5	13	68	27.6		1594.846282	182.4504242	9863.68
	1/12/2015	15:16	1/12/2015 15:16		36	35.5	14	66	29.8		2522.482231	288.5719604	10152.25
	1/12/2015	16:18	1/12/2015 16:18		36	35.5	14	66	29.8		1844.779793	211.0428009	10363.29
	1/12/2015	17:18	1/12/2015 17:18		36	35.5	14	65	29.8		1786.156254	204.3362732	10567.63
	1/12/2015	17:19	1/12/2015 17:19			29					29.7840291	3.407292843	10571.04
SW-71 Event 12	1/19/2015	7:53	1/19/2015 7:53		28	29	0	46	0.0				10571.04
	1/19/2015	8:47	1/19/2015 8:47		37	35.5	17	56	29.9		806.6714515	92.28321075	10663.32
	1/19/2015	10:33	1/19/2015 10:33		37	35.5	16	70	27.7		3053.108747	349.2756348	11012.60
	1/19/2015	13:48	1/19/2015 13:48		37	35	16	76	27.6		5391.371856	616.7729492	11629.37

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/19/2015	15:48	1/19/2015 15:48		37	34	18	72	31.1		3522.066193	402.9243774	12032.29
	1/19/2015	17:29	1/19/2015 17:29		37	34	18	62	31.4		3160.178071	361.524353	12393.82
	1/19/2015	17:30	1/19/2015 17:30			29					31.44369675	3.597158909	12397.42
SW-71 Event 13	1/27/2015	7:55	1/27/2015 7:55		28	28	0	48	0.0				12397.42
	1/27/2015	8:27	1/27/2015 8:27		27	28.5	7	54	11.1		176.8165436	20.22781181	12417.64
	1/27/2015	8:28	1/27/2015 8:28		36	34	15	54	26.2		18.60249192	2.128124952	12419.77
	1/27/2015	9:32	1/27/2015 9:32		36	34.5	15	62	25.9		1667.13385	190.720108	12610.49
	1/27/2015	10:48	1/27/2015 10:48		35	34.5	15	67	25.6		1956.97369	223.8777771	12834.37
	1/27/2015	11:43	1/27/2015 11:43		35	34	15	69	25.5		1404.159532	160.635849	12995.01
	1/27/2015	11:44	1/27/2015 11:44		39	35.5	18	69	31.8		28.66982088	3.279827595	12998.28
	1/27/2015	13:26	1/27/2015 13:26		38	35.5	18	68	31.6		3233.269049	369.8859863	13368.17
	1/27/2015	14:57	1/27/2015 14:57		38	35.5	18	67	31.6		2873.637754	328.7441406	13696.92
	1/27/2015	15:56	1/27/2015 15:56		39	35.5	19	65	33.7		1927.259868	220.4785309	13917.39
	1/27/2015	16:36	1/27/2015 16:36		39	35	19	65	33.7		1349.471283	154.3795166	14071.77
	1/27/2015	16:37	1/27/2015 16:37			31					33.73678218	3.859487772	14075.63
SW-71 Event 14	2/24/2015	7:57	2/24/2015 7:57		32	32	<2	56	0.0				14075.63
	2/24/2015	8:28	2/24/2015 8:28		32	30	4	56	6.7		103.4669597	11.83662033	14087.47
	2/24/2015	8:29	2/24/2015 8:29		36	36	8	56	13.9		10.29789952	1.178079724	14088.65
	2/24/2015	10:07	2/24/2015 10:07		36	35	14	56	24.4		1875.78882	214.5902405	14303.24
	2/24/2015	13:23	2/24/2015 13:23		36	33	15	55	26.1		4947.853806	566.0344849	14869.27
	2/24/2015	14:53	2/24/2015 14:53		36	33	15.5	57	26.9		2388.201828	273.2102966	15142.48
	2/24/2015	16:00	2/24/2015 16:00		36	33	15.5	58	26.9		1804.320691	206.4142914	15348.90
	2/24/2015	16:42	2/24/2015 16:42		36	33	15.5	58	26.9		1130.496288	129.3287811	15478.23
	2/24/2015	16:44	2/24/2015 16:44			28					53.83315676	6.158513069	15484.38
SW-71 Event 15	3/3/2015	8:07	3/3/2015 8:07		33	34	5.5	67	9.2				15484.38
	3/3/2015	8:28	3/3/2015 8:28		32	32	8.5	66	14.0		243.8218589	27.8932209	15512.28
	3/3/2015	8:29	3/3/2015 8:29		36	35	13	66	22.4		18.21992785	2.084359884	15514.36
	3/3/2015	9:55	3/3/2015 9:55		36	35	15	68	25.8		2071.973923	237.0338135	15751.40
	3/3/2015	11:34	3/3/2015 11:34		36	35	16	71	27.4		2634.29999	301.3639221	16052.76
	3/3/2015	12:32	3/3/2015 12:32		36	35	16	74	27.3		1588.510223	181.7255707	16234.48
	3/3/2015	12:33	3/3/2015 12:33			26					27.34796914	3.12860775	16237.61
Total CO ₂ Mass (lbs):												16237.61	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-72 Event 1	10/23/2014	8:38	10/23/2014 8:38		22	20	0	60	0.0				
	10/23/2014	8:55	10/23/2014 8:55		28	27	0	66	0.0		0.0	0.00	0.00
	10/23/2014	9:48	10/23/2014 9:48		28	26	5	74	9.7		256.1	29.30	29.30
	10/23/2014	9:50	10/23/2014 9:50		32	30	10	74	20.2		29.9	3.42	32.72
	10/23/2014	10:50	10/23/2014 10:50		32	29	10	78	20.1		1211.2	138.56	171.27
	10/23/2014	10:52	10/23/2014 10:52		36	32	15	78	31.5		51.7	5.91	177.18
	10/23/2014	12:12	10/23/2014 12:12		36	32	14	80	29.4		2434.3	278.49	455.67
	10/23/2014	13:47	10/23/2014 13:47		36	32	14	80	29.4		2788.3	318.98	774.66
10/23/2014	14:10	10/23/2014 14:10								675.1	77.23	851.88	
SW-72 Event 2	10/31/2014	7:32	10/31/2014 7:32		24	21	0	60	0.0				851.88
	10/31/2014	7:42	10/31/2014 7:42		33	30	8	62	16.5		82.7	9.47	861.35
	10/31/2014	8:20	10/31/2014 8:20		33	30	7	66	14.4		588.5	67.32	928.67
	10/31/2014	8:21	10/31/2014 8:21		36	32	12	66	25.5		20.0	2.28	930.95
	10/31/2014	10:21	10/31/2014 10:21		36	32	13	76	27.4		3171.8	362.86	1293.81
	10/31/2014	11:31	10/31/2014 11:31		35	32	14	80	29.1		1974.5	225.89	1519.70
	10/31/2014	11:32	10/31/2014 11:32		0	27					29.1	3.32	1523.02
	11/5/2014	12:24	11/5/2014 12:24		26	24	0	80	0.0				1523.02
SW-72 Event 3	11/5/2014	12:30	11/5/2014 12:30		34	31	7	82	14.4		43.1	4.93	1527.95
	11/5/2014	13:28	11/5/2014 13:28		34	30	10.5	76	21.7		1044.1	119.44	1647.39
	11/5/2014	15:29	11/5/2014 15:29		37	32	14	76	29.8		3110.3	355.81	2003.20
	11/5/2014	16:42	11/5/2014 16:42		38	33	14	74	30.1		2185.1	249.98	2253.18
	11/5/2014	17:26	11/5/2014 17:26		38	33	14	70	30.2		1327.3	151.85	2405.03
	11/5/2014	17:27	11/5/2014 17:27			28					30.2	3.46	2408.48
	11/10/2014	12:31	11/10/2014 12:31		26	23	0	72	0.0		0.0	0.0	2408.48
	11/10/2014	12:33	11/10/2014 12:33		32	30	0	72	0.0		0.0	0.0	2408.48
SW-72 Event 4	11/10/2014	15:39	11/10/2014 15:39		32	29	6	70	12.2		1133.0	129.6	2538.09
	11/10/2014	15:40	11/10/2014 15:40		36	32	13	70	27.5		19.9	2.3	2540.37
	11/10/2014	17:03	11/10/2014 17:03		37	32	13	69	27.8		2296.7	262.7	2803.11
	11/10/2014	17:05	11/10/2014 17:05			26					55.6	6.4	2809.48
	11/17/2014	12:40	11/17/2014 12:40		33	33	0	72	0.0				2809.48
	11/17/2014	13:10	11/17/2014 13:10		32	31	4	72	8.1		121.6	13.9	2823.39
	11/17/2014	14:37	11/17/2014 14:37		32	31	6	70	12.2		882.5	101.0	2924.35
	11/17/2014	15:36	11/17/2014 15:36		30	31	6	70	11.9		710.9	81.3	3005.67
SW-72 Event 5	11/17/2014	15:37	11/17/2014 15:37		37	34	15	70	32.1		22.0	2.5	3008.19
	11/17/2014	17:02	11/17/2014 17:02		36	34	13	70	27.5		2532.6	289.7	3297.92
	11/17/2014	17:03	11/17/2014 17:03			30					27.5	3.1	3301.07
	11/19/2014	7:24	11/19/2014 7:24		31	34	0	40	0.0				3301.07
	11/19/2014	7:40	11/19/2014 7:40		30	31	4	40	8.2		65.5	7.5	3308.56
	11/19/2014	7:41	11/19/2014 7:41		32	33	12	40	25.1		16.7	1.9	3310.47
	11/19/2014	8:56	11/19/2014 8:56		33	34	11	52	23.0		1803.7	206.3	3516.82
	11/19/2014	10:27	11/19/2014 10:27		34	33.5	12	62	25.1		2187.3	250.2	3767.04
SW-72 Event 6	11/19/2014	12:00	11/19/2014 12:00		34	33.5	13	70	27.0		2420.3	276.9	4043.93
	11/19/2014	12:01	11/19/2014 12:01			25		70			27.0	3.1	4047.01
	11/21/2014	12:18	11/21/2014 12:18		30	30	0	76	0.0				4047.01
	11/21/2014	12:50	11/21/2014 12:50		28	30	<2	80	0.0		0.0	0.0	4047.01
	11/21/2014	12:51	11/21/2014 12:51		33	33	10	80	20.3		10.2	1.2	4048.17
	11/21/2014	13:26	11/21/2014 13:26		34	33.5	8	80	16.4		643.3	73.6	4121.76
	11/21/2014	15:27	11/21/2014 15:27		34	33.5	9.5	74	19.6		2181.6	249.6	4371.34
	11/21/2014	16:38	11/21/2014 16:38		34	33.5	10	66	20.8		1436.0	164.3	4535.62
SW-72 Event 7	11/21/2014	17:00	11/21/2014 17:00		34	33	11	66	22.9		481.0	55.0	4590.65
	11/21/2014	17:01	11/21/2014 17:01			30					22.9	2.6	4593.27

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-72 Event 8	11/24/2014	11:51	11/24/2014 11:51		22	21	0	87	0.0				4593.27
	11/24/2014	11:53	11/24/2014 11:53		32	32	0	87	0.0		0.0	0.0	4593.27
	11/24/2014	12:35	11/24/2014 12:35		32	29	6	84	12.0		252.4	28.9	4622.14
	11/24/2014	12:37	11/24/2014 12:37		37	33.5	12.5	84	26.4		38.4	4.4	4626.53
	11/24/2014	14:20	11/24/2014 14:20		37	33	12	81	25.4		2665.1	304.9	4931.42
	11/24/2014	15:46	11/24/2014 15:46		37	33	13.5	77	28.7		2324.2	265.9	5197.31
	11/24/2014	16:47	11/24/2014 16:47		37	32.5	14	74	29.8		1783.7	204.1	5401.37
	11/24/2014	16:48	11/24/2014 16:48			29					29.8	3.4	5404.78
SW-72 Event 9	12/1/2014	12:30	12/1/2014 12:30		28	27	0	79	0.0				5404.78
	12/1/2014	12:33	12/1/2014 12:33		35	33	7	80	14.5		21.8	2.5	5407.28
	12/1/2014	12:53	12/1/2014 12:53		35	31.5	10	80	20.8		352.8	40.4	5447.64
	12/1/2014	12:54	12/1/2014 12:54		38	33.5	14	80	29.9		25.3	2.9	5450.54
	12/1/2014	14:09	12/1/2014 14:09		38	34	14	78	30.0		2247.2	257.1	5707.61
	12/1/2014	16:19	12/1/2014 16:19		38	33.5	15	70	32.4		4054.4	463.8	6171.44
	12/1/2014	16:20	12/1/2014 16:20		40	34	18	70	39.6		36.0	4.1	6175.56
	12/1/2014	17:02	12/1/2014 17:02		40	34	18	68	39.7		1665.1	190.5	6366.04
	12/1/2014	17:03	12/1/2014 17:03			30					39.7	4.5	6370.58
SW-72 Event 10	12/4/2014	7:50	12/4/2014 7:50		30	30	3	62	6.0				6370.58
	12/4/2014	8:18	12/4/2014 8:18		30	29	7	62	14.0		280.2	32.1	6402.64
	12/4/2014	8:19	12/4/2014 8:19		37	33	14	62	30.2		22.1	2.5	6405.17
	12/4/2014	9:57	12/4/2014 9:57		37	32.5	15	76	31.9		3040.7	347.9	6753.02
	12/4/2014	12:24	12/4/2014 12:24		36	32	16	80	33.5		4808.9	550.1	7303.16
	12/4/2014	12:25	12/4/2014 12:25			27					33.5	3.8	7307.00
SW-72 Event 11	12/9/2014	7:47	12/9/2014 7:47		30	30	0	46	0.0				7307.00
	12/9/2014	7:57	12/9/2014 7:57		29	28.5	4	48	8.0		40.1	4.6	7311.59
	12/9/2014	7:58	12/9/2014 7:58		33	32.5	8	48	16.8		12.4	1.4	7313.01
	12/9/2014	9:07	12/9/2014 9:07		33	32.5	10	58	20.8		1295.6	148.2	7461.23
	12/9/2014	10:44	12/9/2014 10:44		33	32	10	66	20.6		2006.6	229.6	7690.79
	12/9/2014	10:45	12/9/2014 10:45		35	33	14	66	29.5		25.0	2.9	7693.65
	12/9/2014	11:34	12/9/2014 11:34		35	33	14	68	29.4		1441.9	164.9	7858.60
	12/9/2014	12:45	12/9/2014 12:45		35	33	14	68	29.4		2087.2	238.8	8097.37
	12/9/2014	12:46	12/9/2014 12:46			26					29.4	3.4	8100.73
SW-72 Event 12	12/17/2014	12:47	12/17/2014 12:47		30	30	0	71	0.0				8100.73
	12/17/2014	13:00	12/17/2014 13:00		30	30	0	71	0.0		0.0	0.0	8100.73
	12/17/2014	13:01	12/17/2014 13:01		32	32	4	71	8.1		4.1	0.5	8101.20
	12/17/2014	13:57	12/17/2014 13:57		32	31	6	74	12.1		567.0	64.9	8166.06
	12/17/2014	13:58	12/17/2014 13:58		34	33.5	12	74	24.8		18.5	2.1	8168.17
	12/17/2014	15:37	12/17/2014 15:37		35	34	12	70	25.1		2472.0	282.8	8450.97
	12/17/2014	17:06	12/17/2014 17:06		35	34	12	63	25.3		2245.9	256.9	8707.90
	12/17/2014	17:07	12/17/2014 17:07			30					25.3	2.9	8710.80
SW-72 Event 13	1/9/2015	7:42	1/9/2015 7:42		30	30	0	46	0.0				8710.80
	1/9/2015	7:53	1/9/2015 7:53		28	29	3	46	6.0		32.8	3.8	8714.55
	1/9/2015	7:54	1/9/2015 7:54		36	35	12	46	26.0		16.0	1.8	8716.38
	1/9/2015	9:45	1/9/2015 9:45		36	35	14	58	30.0		3109.0	355.7	9072.05
	1/9/2015	11:01	1/9/2015 11:01		36	33	15.5	62	33.1		2396.5	274.2	9346.22
	1/9/2015	11:02	1/9/2015 11:02			28					33.1	3.8	9350.00
	1/9/2015	11:02	1/9/2015 11:02			28							9350.00
SW-72 Event 14	1/14/2015	7:57	1/14/2015 7:57		33	33	0	54	0.0				9350.00
	1/14/2015	8:23	1/14/2015 8:23		30	31	8	54	16.1		209.8	24.0	9374.01
	1/14/2015	8:24	1/14/2015 8:24		36	35	15	54	32.3		24.2	2.8	9376.77
	1/14/2015	11:10	1/14/2015 11:10		36	34	16	58	34.3		5523.1	631.8	10008.62
	1/14/2015	11:11	1/14/2015 11:11		38	35	19	58	41.5		37.9	4.3	10012.96

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/14/2015	12:10	1/14/2015 12:10		38	35	20	60	43.6		2511.2	287.3	10300.24
	1/14/2015	12:37	1/14/2015 12:37		38	35	20	60	43.6		1177.5	134.7	10434.95
	1/14/2015	12:38	1/14/2015 12:38			28					43.6	5.0	10439.94
SW-72 Event 15	1/16/2015	8:10	1/16/2015 8:10		30	30	0	52	0.0				10439.94
	1/16/2015	8:33	1/16/2015 8:33		30	30	6	52	12.1		139.5	16.0	10455.90
	1/16/2015	8:34	1/16/2015 8:34		36	35	15	52	32.3		22.2	2.5	10458.44
	1/16/2015	9:38	1/16/2015 9:38		36	35	14	60	29.9		1992.5	227.9	10686.38
	1/16/2015	11:18	1/16/2015 11:18		36	35	15	66	31.9		3090.6	353.6	11039.95
	1/16/2015	12:48	1/16/2015 12:48		36	34	16	69	33.9		2960.3	338.7	11378.61
	1/16/2015	12:49	1/16/2015 12:49			29					33.9	3.9	11382.49
SW-72 Event 16	1/20/2015	8:00	1/20/2015 8:00		28	30	0	46	0.0				11382.49
	1/20/2015	8:33	1/20/2015 8:33		24	27	0	48	0.0		0.0	0.0	11382.49
	1/20/2015	8:36	1/20/2015 8:36		34	35.5	0	48	0.0		0.0	0.0	11382.49
	1/20/2015	8:47	1/20/2015 8:47		28	32	0	48	0.0		0.0	0.0	11382.49
	1/20/2015	8:50	1/20/2015 8:50		30	33	0	48	0.0		0.0	0.0	11382.49
	1/20/2015	13:08	1/20/2015 13:08		31	32	0	86	0.0		0.0	0.0	11382.49
	1/20/2015	13:09	1/20/2015 13:09		36	36	8	86	16.7		8.3	1.0	11383.44
	1/20/2015	15:30	1/20/2015 15:30		36	35	15	74	31.6		3405.6	389.6	11773.04
	1/20/2015	17:20	1/20/2015 17:20		36	34	16	64	34.1		3613.7	413.4	12186.44
	1/20/2015	17:21	1/20/2015 17:21			30					34.1	3.9	12190.34
SW-72 Event 17	1/22/2015	10:04	1/22/2015 10:04		28	29	0	66	0.0				12190.34
	1/22/2015	10:27	1/22/2015 10:27		36	34	15	66	31.9		366.6	41.9	12232.28
	1/22/2015	11:47	1/22/2015 11:47		36	34	15	70	31.8		2545.4	291.2	12523.47
	1/22/2015	15:09	1/22/2015 15:09		36	33	17.5	75	36.9		6930.7	792.9	13316.34
	1/22/2015	15:10	1/22/2015 15:10			28					36.9	4.2	13320.56
SW-72 Event 18	1/29/2015	8:00	1/29/2015 8:00		27	28	0	44	0.0				13320.56
	1/29/2015	8:34	1/29/2015 8:34		26	29	0	52	0.0		0.0	0.0	13320.56
	1/29/2015	8:35	1/29/2015 8:35		34	34	14	52	29.6		14.8	1.7	13322.25
	1/29/2015	9:46	1/29/2015 9:46		34	33.5	12	64	25.0		1938.3	221.7	13544.00
	1/29/2015	10:45	1/29/2015 10:45		34	34	13	70	27.0		1534.0	175.5	13719.49
	1/29/2015	11:45	1/29/2015 11:45		34	34	13	72	26.9		1616.2	184.9	13904.38
	1/29/2015	12:47	1/29/2015 12:47		34	33	14	72	29.0		1732.6	198.2	14102.60
	1/29/2015	12:49	1/29/2015 12:49			28					58.0	6.6	14109.23
SW-72 Event 19	2/4/2015	12:15	2/4/2015 12:15		29	30	0	62	0.0				14109.23
	2/4/2015	12:33	2/4/2015 12:33		28	29	4	62	7.8		70.4	8.1	14117.28
	2/4/2015	12:34	2/4/2015 12:34		35	33.5	10	62	21.1		14.5	1.7	14118.94
	2/4/2015	13:42	2/4/2015 13:42		35	33.5	11	62	23.2		1508.2	172.5	14291.47
	2/4/2015	15:10	2/4/2015 15:10		35	33	12	60	25.4		2139.9	244.8	14536.27
	2/4/2015	16:02	2/4/2015 16:02		35	32.5	13	58	27.6		1377.2	157.5	14693.82
	2/4/2015	16:56	2/4/2015 16:56		32	32	13.5	58	27.7		1493.3	170.8	14864.66
	2/4/2015	16:57	2/4/2015 16:57			29					27.7	3.2	14867.83
SW-72 Event 20	2/23/2015	7:54	2/23/2015 7:54		33	33	5	64	10.3				14867.83
	2/23/2015	8:13	2/23/2015 8:13		31	30.5	7.5	65	15.1		241.9	27.7	14895.50
	2/23/2015	8:14	2/23/2015 8:14		37	35	16	65	34.4		24.8	2.8	14898.33
	2/23/2015	9:55	2/23/2015 9:55		36	34	15	70	31.8		3339.7	382.1	15280.39
	2/23/2015	11:44	2/23/2015 11:44		36	34	16.5	70	34.9		3634.3	415.8	15696.16
	2/23/2015	13:14	2/23/2015 13:14		36	33.5	18	68	38.2		3290.0	376.4	16072.53
	2/23/2015	14:59	2/23/2015 14:59		36	33	18.5	68	39.2		4064.6	465.0	16537.52
	2/23/2015	17:12	2/23/2015 17:12		36	31	20	69	42.4		5427.8	620.9	17158.46
	2/23/2015	17:14	2/23/2015 17:14			27					84.8	9.7	17168.16
Total CO2 Mass (lbs):												17168.16	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-73 Event 1	10/27/2014	10:34	10/27/2014 10:34		22	23	0	88	0.0				
	10/27/2014	11:01	10/27/2014 11:01		22	23	0	90	0.0		0.0	0.00	0.00
	10/27/2014	11:02	10/27/2014 11:02		30	30	8	90	15.6		7.8	0.89	0.89
	10/27/2014	11:13	10/27/2014 11:13		30	28	14	90	27.3		235.7	26.97	27.86
	10/27/2014	11:14	10/27/2014 11:14		35	31	20	90	41.1		34.2	3.91	31.77
	10/27/2014	11:26	10/27/2014 11:26		35	30	21	86	43.3		506.7	57.97	89.74
	10/27/2014	12:39	10/27/2014 12:39		34	28	24	86	49.0		3370.8	385.62	475.36
	10/27/2014	13:51	10/27/2014 13:51		34	27	25	88	51.0		3599.3	411.75	887.11
	10/27/2014	15:37	10/27/2014 15:37		34	27	25	86	51.1		5407.1	618.58	1505.69
	10/27/2014	16:38	10/27/2014 16:38		35	27	26	84	53.8		3196.8	365.71	1871.40
10/27/2014	16:40	10/27/2014 16:40		0	20					107.5	12.30	1883.70	
SW-73 Event 2	11/5/2014	7:56	11/5/2014 7:56		27	26	0	68	0.0				1883.70
	11/5/2014	8:00	11/5/2014 8:00		32	21	27	69	54.9		109.7	12.56	1896.26
	11/5/2014	8:12	11/5/2014 8:12		32	19	30	70	60.9		694.7	79.48	1975.73
	11/5/2014	9:20	11/5/2014 9:20		32	20	26	74	52.6		3858.9	441.46	2417.19
	11/5/2014	9:21	11/5/2014 9:21		36	24	28	74	59.0		55.8	6.39	2423.58
	11/5/2014	10:57	11/5/2014 10:57		36	24	28	76	58.9		5662.7	647.81	3071.39
	11/5/2014	12:19	11/5/2014 12:19		36	24	30	78	63.0		4999.7	571.97	3643.35
	11/5/2014	12:20	11/5/2014 12:20			12					63.0	7.21	3650.56
SW-73 Event 3	11/12/2014	12:43	11/12/2014 12:43		30	27	0	80	0.0				3650.56
	11/12/2014	12:44	11/12/2014 12:44		35	33	4	80	8.3		4.2	0.47	3651.04
	11/12/2014	13:08	11/12/2014 13:08		34	31.5	10	80	20.5		346.1	39.59	3690.63
	11/12/2014	14:42	11/12/2014 14:42		33	28.5	17	83	34.5		2584.8	295.70	3986.33
	11/12/2014	14:45	11/12/2014 14:45		41	31	26	83	57.0		137.2	15.70	4002.03
	11/12/2014	15:56	11/12/2014 15:56		41	31	24	78	52.9		3901.2	446.29	4448.32
	11/12/2014	17:31	11/12/2014 17:31		42	32	30	70	67.2		5705.1	652.66	5100.99
	11/12/2014	17:32	11/12/2014 17:32			27					67.2	7.69	5108.68
SW-73 Event 4	12/1/2014	8:40	12/1/2014 8:40		28	27	10	70	19.4				5108.68
	12/1/2014	8:42	12/1/2014 8:42		34	26	22	70	45.6		65.0	7.44	5116.12
	12/1/2014	8:52	12/1/2014 8:52		34	25.5	25	70	51.9		487.4	55.76	5171.88
	12/1/2014	8:53	12/1/2014 8:53		40	27	30	70	66.0		58.9	6.74	5178.62
	12/1/2014	9:51	12/1/2014 9:51		39	26	31	74	67.3		3866.2	442.29	5620.91
	12/1/2014	11:38	12/1/2014 11:38		38	25	31.5	76	67.6		7218.1	825.75	6446.66
	12/1/2014	12:27	12/1/2014 12:27		40	25	32	78	69.9		3368.1	385.31	6831.97
	12/1/2014	12:28	12/1/2014 12:28			19					69.9	7.99	6839.96
SW-73 Event 5	12/5/2014	8:18	12/5/2014 8:18		30	27	11	66	21.9				6839.96
	12/5/2014	8:42	12/5/2014 8:42		29	23.5	18	66	35.5		688.9	78.81	6918.77
	12/5/2014	8:42	12/5/2014 8:42		40	27	28	66	61.9		0.0	0.00	6918.77
	12/5/2014	10:33	12/5/2014 10:33		40	27	29	69	63.9		6977.7	798.25	7717.02
	12/5/2014	12:11	12/5/2014 12:11		40	26	30	69	66.1		6367.4	728.43	8445.45
	12/5/2014	12:13	12/5/2014 12:13			20					132.1	15.12	8460.57
SW-73 Event 6	12/19/2014	7:26	12/19/2014 7:26		30	30	4	50	8.1				8460.57
	12/19/2014	7:38	12/19/2014 7:38		28	29	10	50	19.8		167.4	19.15	8479.71
	12/19/2014	7:39	12/19/2014 7:39		35	32	18	50	38.5		29.1	3.33	8483.05
	12/19/2014	9:31	12/19/2014 9:31		35	30	21.5	64	45.3		4693.3	536.91	9019.96
	12/19/2014	9:32	12/19/2014 9:32		40	32	28	64	62.0		53.7	6.14	9026.10
	12/19/2014	10:46	12/19/2014 10:46		40	31.5	27	66	59.6		4500.0	514.80	9540.89
	12/19/2014	10:47	12/19/2014 10:47		42	32	28	66	63.0		61.3	7.01	9547.91
	12/19/2014	11:37	12/19/2014 11:37		42	33	30	66	67.5		3262.2	373.20	9921.11
	12/19/2014	11:38	12/19/2014 11:38			26					67.5	7.72	9928.83
SW-73 Event 7	1/8/2015	13:03	1/8/2015 13:03		30	27	0	51	0.0				9928.83

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/8/2015	13:14	1/8/2015 13:14		28	24	14	51	27.7		152.2	17.42	9946.25
	1/8/2015	13:15	1/8/2015 13:15		40	29	26	51	58.3		43.0	4.92	9951.17
	1/8/2015	15:06	1/8/2015 15:06		40	29	28	51	62.8		6721.7	768.96	10720.13
	1/8/2015	16:55	1/8/2015 16:55		40	29	28	53	62.7		6838.0	782.27	11502.40
	1/8/2015	16:56	1/8/2015 16:56			24					62.7	7.17	11509.57
SW-73 Event 8	2/4/2015	8:01	2/4/2015 8:01		28	28.5	4	54	7.9				11509.57
	2/4/2015	8:28	2/4/2015 8:28		28	27	9.5	55	18.7		359.0	41.07	11550.64
	2/4/2015	8:29	2/4/2015 8:29		37	32	22	55	47.7		33.2	3.80	11554.44
	2/4/2015	9:50	2/4/2015 9:50		38	30.5	23	58	50.3		3969.1	454.07	12008.51
	2/4/2015	9:51	2/4/2015 9:51		42	33	28	58	63.5		56.9	6.51	12015.02
	2/4/2015	12:11	2/4/2015 12:11		42	33	27	62	61.0		8714.5	996.94	13011.95
	2/4/2015	12:12	2/4/2015 12:12			28					61.0	6.98	13018.93
Total CO2 Mass (lbs):												13018.93	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-74 Event 1	10/23/2014	8:34	10/23/2014 8:34		22	23	0	60	0.0				0.00
	10/23/2014	8:40	10/23/2014 8:40		27	28	0	60	0.0		0.0	0.00	0.00
	10/23/2014	8:54	10/23/2014 8:54		26	20	23	66	43.7		306.1	35.01	35.01
	10/23/2014	9:52	10/23/2014 9:52		26	20	22	74	41.5		2471.5	282.74	317.75
	10/23/2014	10:47	10/23/2014 10:47		26	22	18	78	33.8		2071.4	236.97	554.72
	10/23/2014	10:48	10/23/2014 10:48		30	24	23	78	45.3		39.6	4.53	559.25
	10/23/2014	12:10	10/23/2014 12:10		30	23	25	80	49.2		3874.1	443.20	1002.45
	10/23/2014	13:45	10/23/2014 13:45		30	24	24	80	47.2		4577.6	523.67	1526.12
	10/23/2014	14:35	10/23/2014 14:35		30	24	23	82	45.1		2308.8	264.12	1790.24
	10/23/2014	16:10	10/23/2014 16:10		30	24	24	80	47.2		4386.6	501.83	2292.07
	10/23/2014	16:37	10/23/2014 16:37		30	24	24	80	47.2		1274.4	145.80	2437.87
10/23/2014	16:38	10/23/2014 16:38								47.2	5.40	2443.27	
SW-74 Event 2	11/5/2014	7:54	11/5/2014 7:54		27	28	4	68	7.7				2443.27
	11/5/2014	7:58	11/5/2014 7:58		33	30	15	68	30.8		77.1	8.82	2452.09
	11/5/2014	8:10	11/5/2014 8:10		32	29	20	70	40.6		428.7	49.05	2501.13
	11/5/2014	8:11	11/5/2014 8:11		37	31	24	70	51.3		46.0	5.26	2506.39
	11/5/2014	9:18	11/5/2014 9:18		36	29	25	74	52.7		3485.0	398.69	2905.08
	11/5/2014	9:19	11/5/2014 9:19		38	29	28	74	60.2		56.5	6.46	2911.54
	11/5/2014	10:55	11/5/2014 10:55		38	29	27	76	58.0		5672.0	648.88	3560.42
	11/5/2014	11:55	11/5/2014 11:55		38	29	27	76	58.0		3477.1	397.78	3958.20
	11/5/2014	11:56	11/5/2014 11:56			21					58.0	6.63	3964.83
	11/18/2014	12:14	11/18/2014 12:14		35	32	16	63	33.8				3964.83
11/18/2014	13:59	11/18/2014 13:59		36	27	25	70	52.9		4551.1	520.64	4485.47	
11/18/2014	15:45	11/18/2014 15:45		36	25	26	68	55.1		5727.9	655.27	5140.74	
11/18/2014	17:08	11/18/2014 17:08		38	25	29	60	63.2		4913.0	562.05	5702.79	
11/18/2014	17:09	11/18/2014 17:09			20					63.2	7.23	5710.03	
SW-74 Event 4	11/20/2014	11:59	11/20/2014 11:59		32	30	12	80	24.1				5710.03
	11/20/2014	12:27	11/20/2014 12:27		32	30	22	70	44.7		963.2	110.19	5820.22
	11/20/2014	14:18	11/20/2014 14:18		32	27	21	72	42.6		4841.0	553.81	6374.02
	11/20/2014	14:19	11/20/2014 14:19		34	28	24	72	49.7		46.1	5.28	6379.30
	11/20/2014	15:15	11/20/2014 15:15		34	28	24	69	49.8		2786.2	318.75	6698.05
	11/20/2014	16:16	11/20/2014 16:16		34	27.5	24	66	50.0		3044.0	348.23	7046.28
	11/20/2014	16:57	11/20/2014 16:57		40	29.5	30	64	66.4		2385.8	272.93	7319.21
	11/20/2014	16:58	11/20/2014 16:58			21.5					66.4	7.60	7326.80
SW-74 Event 5	12/3/2014	12:05	12/3/2014 12:05		29	28	0	77	0.0				7326.80
	12/3/2014	12:16	12/3/2014 12:16		27	25	13	76	24.8		136.3	15.59	7342.39
	12/3/2014	12:18	12/3/2014 12:18		36	29	24	76	50.5		75.3	8.61	7351.01
	12/3/2014	12:42	12/3/2014 12:42		38	28	26	76	55.8		1275.8	145.95	7496.96
	12/3/2014	13:15	12/3/2014 13:15		37	27.5	26	76	55.3		1832.7	209.66	7706.62
	12/3/2014	14:35	12/3/2014 14:35		37	29	24	76	51.0		4251.2	486.33	8192.95
	12/3/2014	16:06	12/3/2014 16:06		36	27	25	71	52.9		4726.8	540.75	8733.69
	12/3/2014	16:08	12/3/2014 16:08			21					105.7	12.10	8745.79
	12/5/2014	12:14	12/5/2014 12:14		30	26	6	69	11.9				8745.79
12/5/2014	12:33	12/5/2014 12:33		29	24.5	14	69	27.5		374.7	42.86	8788.65	
12/5/2014	12:34	12/5/2014 12:34		38	28	26	69	56.2		41.9	4.79	8793.44	
12/5/2014	14:08	12/5/2014 14:08		36	26	26	69	55.1		5230.4	598.35	9391.79	
12/5/2014	15:29	12/5/2014 15:29		39	27.5	28	68	61.2		4708.1	538.60	9930.40	
12/5/2014	16:50	12/5/2014 16:50		40	27	30	68	66.1		5155.4	589.78	10520.17	
12/5/2014	16:51	12/5/2014 16:51			20					66.1	7.57	10527.74	
SW-74 Event 7	2/5/2015	8:14	2/5/2015 8:14		28	28	6	56	11.8				10527.74
	2/5/2015	8:48	2/5/2015 8:48		26	24	14.5	56	27.8		673.9	77.10	10604.84

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/5/2015	8:51	2/5/2015 8:51		37	27.5	29	56	62.9		136.1	15.57	10620.40
	2/5/2015	10:09	2/5/2015 10:09		37	26	29	60	62.6		4894.5	559.93	11180.33
	2/5/2015	11:42	2/5/2015 11:42		37	26	29	60	62.6		5824.0	666.26	11846.60
	2/5/2015	12:11	2/5/2015 12:11		37	26	30.5	64	65.6		1859.2	212.70	12059.29
	2/5/2015	12:12	2/5/2015 12:12			20					65.6	7.50	12066.80
Total CO2 Mass (lbs):												12066.80	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-75 Event 1	10/22/2014	8:40	10/22/2014 8:40		22	22	0	60	0.0				
	10/22/2014	8:48	10/22/2014 8:48		27	27	0	62	0.0		0.0	0.0	0.00
	10/22/2014	9:10	10/22/2014 9:10		26	26	0	66	0.0		0.0	0.0	0.00
	10/22/2014	9:11	10/22/2014 9:11		32	31	6	66	12.2		6.1	0.7	0.70
	10/22/2014	10:02	10/22/2014 10:02		32	31	7	72	14.2		673.6	77.1	77.76
	10/22/2014	10:17	10/22/2014 10:17		34	32	10	72	20.7		261.6	29.9	107.69
	10/22/2014	10:42	10/22/2014 10:42		34	32	10	78	20.6		516.0	59.0	166.72
	10/22/2014	13:50	10/22/2014 13:50		34	32	10	82	20.5		3861.7	441.8	608.50
	10/22/2014	15:21	10/22/2014 15:21		34	32	10	82	20.5		1865.6	213.4	821.93
	10/22/2014	16:21	10/22/2014 16:21		34	32	10	82	20.5		1230.1	140.7	962.65
	10/22/2014	17:40	10/22/2014 17:40		34	32	10	78	20.6		1622.7	185.6	1148.30
	10/22/2014	17:41	10/22/2014 17:41		0						20.6	2.4	1150.65
SW-75 Event 2	11/5/2014	7:39	11/5/2014 7:39		26	27	0	63	0.0				1150.65
	11/5/2014	7:45	11/5/2014 7:45		32	31	4	64	8.2		24.5	2.8	1153.45
	11/5/2014	8:06	11/5/2014 8:06		32	31	4.5	69	9.1		181.8	20.8	1174.25
	11/5/2014	8:07	11/5/2014 8:07		34	32	8	69	16.6		12.9	1.5	1175.73
	11/5/2014	9:07	11/5/2014 9:07		34	32	7	76	14.4		931.3	106.5	1282.27
	11/5/2014	9:09	11/5/2014 9:09		37	34.5	11	76	23.4		37.8	4.3	1286.59
	11/5/2014	10:45	11/5/2014 10:45		37	34.5	10.5	81	22.2		2188.4	250.4	1536.95
	11/5/2014	12:00	11/5/2014 12:00		36	34	11	81	23.0		1696.9	194.1	1731.07
	11/5/2014	12:01	11/5/2014 12:01			27			0.0		11.5	1.3	1732.39
	11/5/2014	13:07	11/5/2014 13:07		30	27	10.5	82	20.6		680.2	77.8	1810.20
	11/5/2014	13:09	11/5/2014 13:09		34	31	16	82	32.8		53.4	6.1	1816.31
	11/5/2014	13:15	11/5/2014 13:15						0.0		98.4	11.3	1827.57
	11/5/2014	13:30	11/5/2014 13:30						0.0		0.0	0.0	1827.57
	11/5/2014	15:22	11/5/2014 15:22		36	32.5	13	77	27.3		1530.7	175.1	2002.68
	11/5/2014	16:30	11/5/2014 16:30		35	32	14	75	29.2		1922.0	219.9	2222.56
11/5/2014	16:32	11/5/2014 16:32			26.5					58.4	6.7	2229.24	
SW-75 Event 3	11/7/2014	7:40	11/7/2014 7:40		28	29	0	56	0.0				2229.24
	11/7/2014	7:45	11/7/2014 7:45		33	32	5	56	10.4		26.0	3.0	2232.21
	11/7/2014	8:05	11/7/2014 8:05		33	32	7	63	14.5		248.7	28.5	2260.66
	11/7/2014	8:06	11/7/2014 8:06		36	33.5	12	63	25.6		20.0	2.3	2262.96
	11/7/2014	8:54	11/7/2014 8:54		36	33.5	12	67	25.5		1225.4	140.2	2403.14
	11/7/2014	10:04	11/7/2014 10:04		36	33	12	72	25.4		1779.1	203.5	2606.67
	11/7/2014	10:05	11/7/2014 10:05		38	34	15	72	32.3		28.8	3.3	2609.97
	11/7/2014	11:20	11/7/2014 11:20		39	34	16	74	34.7		2514.8	287.7	2897.66
	11/7/2014	11:49	11/7/2014 11:49		39	34	18	74	39.1		1070.4	122.5	3020.12
	11/7/2014	11:50	11/7/2014 11:50			29					39.1	4.5	3024.59
SW-75 Event 4	11/12/2014	12:53	11/12/2014 12:53		29	29	0	80	0.0				3024.59
	11/12/2014	12:54	11/12/2014 12:54		35	34	4	80	8.3		4.2	0.5	3025.07
	11/12/2014	13:18	11/12/2014 13:18		34	33	6.5	82	13.3		259.5	29.7	3054.76
	11/12/2014	13:19	11/12/2014 13:19		37	36	11.5	82	24.3		18.8	2.2	3056.91
	11/12/2014	14:53	11/12/2014 14:53		38	36	12	87	25.5		2340.1	267.7	3324.61
	11/12/2014	15:59	11/12/2014 15:59		38	35	12	83	25.6		1685.3	192.8	3517.41
	11/12/2014	17:18	11/12/2014 17:18		38	35	14	74	30.1		2199.8	251.7	3769.06
	11/12/2014	17:19	11/12/2014 17:19			29.5					30.1	3.4	3772.51
SW-75 Event 5	11/14/2014	7:40	11/14/2014 7:40		29	30	0	49	0.0				3772.51
	11/14/2014	7:42	11/14/2014 7:42		35	34	7.5	49	16.1		16.1	1.8	3774.34
	11/14/2014	8:33	11/14/2014 8:33		34	32	10	57	21.0		945.1	108.1	3882.46
	11/14/2014	8:34	11/14/2014 8:34		37	34	14	57	30.3		25.7	2.9	3885.40
	11/14/2014	9:54	11/14/2014 9:54		36	33.5	14	60	29.9		2410.3	275.7	4161.13

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/14/2014	11:30	11/14/2014 11:30		36	33	14	70	29.6		2859.4	327.1	4488.24
	11/14/2014	12:27	11/14/2014 12:27		38	34	17	70	36.7		1890.7	216.3	4704.54
	11/14/2014	12:28	11/14/2014 12:28			29					36.7	4.2	4708.74
SW-75 Event 6	11/19/2014	7:31	11/19/2014 7:31		39	35	8	32	18.1				4708.74
	11/19/2014	7:45	11/19/2014 7:45		38	34	12	46	26.5		312.7	35.8	4744.52
	11/19/2014	9:02	11/19/2014 9:02		36	34	12	52	25.9		2017.8	230.8	4975.35
	11/19/2014	10:32	11/19/2014 10:32		35	34	13	60	27.5		2402.1	274.8	5250.15
	11/19/2014	12:12	11/19/2014 12:12		35	33	14	62	29.6		2854.3	326.5	5576.68
	11/19/2014	12:13	11/19/2014 12:13			28		62			29.6	3.4	5580.07
SW-75 Event 7	11/24/2014	7:28	11/24/2014 7:28		26	26	0	70	0.0				5580.07
	11/24/2014	7:45	11/24/2014 7:45		37	35	14	72	29.9		253.9	29.0	5609.12
	11/24/2014	9:55	11/24/2014 9:55		37	35	14	77	29.7		3874.2	443.2	6052.33
	11/24/2014	11:29	11/24/2014 11:29		36	35	15	77	31.5		2879.6	329.4	6381.75
	11/24/2014	11:46	11/24/2014 11:46		36	35	15.5	77	32.6		545.1	62.4	6444.11
	11/24/2014	11:48	11/24/2014 11:48			28					65.2	7.5	6451.57
SW-75 Event 8	12/2/2014	8:16	12/2/2014 8:16		30	30	0	64	0.0				6451.57
	12/2/2014	8:44	12/2/2014 8:44		38	37	15	64	32.6		456.1	52.2	6503.74
	12/2/2014	8:50	12/2/2014 8:50		37	37	13	64	28.0		181.6	20.8	6524.52
	12/2/2014	8:51	12/2/2014 8:51		36	36	12	64	25.6		26.8	3.1	6527.58
	12/2/2014	10:18	12/2/2014 10:18		37	36	12	76	25.5		2221.2	254.1	6781.68
	12/2/2014	11:51	12/2/2014 11:51		37	36	12	84	25.3		2363.0	270.3	7052.02
	12/2/2014	12:42	12/2/2014 12:42		37	35.5	12.5	83	26.4		1318.4	150.8	7202.84
	12/2/2014	12:44	12/2/2014 12:44			32					52.8	6.0	7208.88
SW-75 Event 9	12/5/2014	8:00	12/5/2014 8:00		30	30	0	63	0.0				7208.88
	12/5/2014	8:30	12/5/2014 8:30		30	30	6	64	12.0		179.8	20.6	7229.45
	12/5/2014	8:31	12/5/2014 8:31		36	35	13	64	27.7		19.8	2.3	7231.72
	12/5/2014	10:35	12/5/2014 10:35		36	35	13	67	27.6		3427.7	392.1	7623.85
	12/5/2014	12:00	12/5/2014 12:00		36	35	14	68	29.7		2435.1	278.6	7902.43
	12/5/2014	12:01	12/5/2014 12:01			28					29.7	3.4	7905.83
SW-75 Event 10	12/10/2014	7:55	12/10/2014 7:55		30	31	0	44	0.0				7905.83
	12/10/2014	8:14	12/10/2014 8:14		30	30	5	52	10.1		96.0	11.0	7916.81
	12/10/2014	8:15	12/10/2014 8:15		35	35	11	52	23.5		16.8	1.9	7918.73
	12/10/2014	9:22	12/10/2014 9:22		35	34	12	60	25.4		1637.1	187.3	8106.02
	12/10/2014	11:31	12/10/2014 11:31		35	34	12	68	25.2		3263.4	373.3	8479.35
	12/10/2014	12:31	12/10/2014 12:31		34	33	12	68	24.9		1504.1	172.1	8651.42
	12/10/2014	12:32	12/10/2014 12:32			28					24.9	2.9	8654.27
SW-75 Event 11	12/15/2014	12:26	12/15/2014 12:26		30	28	<2	72	0.0				8654.27
	12/15/2014	12:38	12/15/2014 12:38		30	27	5	73	9.9		59.4	6.8	8661.06
	12/15/2014	12:39	12/15/2014 12:39		38	34	13	73	28.0		18.9	2.2	8663.23
	12/15/2014	14:14	12/15/2014 14:14		38	33.5	14	70	30.2		2765.0	316.3	8979.55
	12/15/2014	15:59	12/15/2014 15:59		38	33	14.5	67	31.4		3235.3	370.1	9349.66
	12/15/2014	17:04	12/15/2014 17:04		38	33	15.5	63	33.7		2115.6	242.0	9591.69
	12/15/2014	17:05	12/15/2014 17:05			28					33.7	3.9	9595.55
SW-75 Event 12	12/17/2014	12:37	12/17/2014 12:37		29	29	0	80	0.0				9595.55
	12/17/2014	12:44	12/17/2014 12:44		36	35	12	80	25.2		88.1	10.1	9605.62
	12/17/2014	14:06	12/17/2014 14:06		36	34	14	72	29.6		2244.2	256.7	9862.36
	12/17/2014	15:40	12/17/2014 15:40		36	33.5	14	70	29.6		2783.2	318.4	10180.75
	12/17/2014	17:07	12/17/2014 17:07		35	33	15	62	31.7		2667.5	305.2	10485.92
	12/17/2014	17:08	12/17/2014 17:08			27					31.7	3.6	10489.54
SW-75 Event 13	12/18/2014	12:18	12/18/2014 12:18		30	30	0	66	0.0				10489.54
	12/18/2014	12:35	12/18/2014 12:35		37	35.5	14	68	30.0		254.9	29.2	10518.70

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/18/2014	13:32	12/18/2014 13:32		37	35	16	72	34.1		1827.8	209.1	10727.81
	12/18/2014	14:55	12/18/2014 14:55		37	34	17	68	36.4		2928.3	335.0	11062.80
	12/18/2014	16:49	12/18/2014 16:49		37	34	18	66	38.6		4278.2	489.4	11552.23
	12/18/2014	17:00	12/18/2014 17:00			28					425.0	48.6	11600.86
SW-75 Event 14	12/19/2014	7:31	12/19/2014 7:31		30	30	0	44	0.0				11600.86
	12/19/2014	7:42	12/19/2014 7:42		37	35	17	48	37.2		204.4	23.4	11624.24
	12/19/2014	9:09	12/19/2014 9:09		36	33	18	60	38.5		3290.6	376.4	12000.69
	12/19/2014	10:13	12/19/2014 10:13		36	33	18.5	65	39.4		2491.0	285.0	12285.65
	12/19/2014	10:14	12/19/2014 10:14		40	34	22	65	48.6		44.0	5.0	12290.69
	12/19/2014	11:35	12/19/2014 11:35		40	34.5	21.5	65	47.5		3895.7	445.7	12736.35
	12/19/2014	11:36	12/19/2014 11:36			26					47.5	5.4	12741.79
Total CO2 Mass (lbs):												12741.79	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-76 Event 1	10/27/2014	8:29	10/27/2014 8:29		20	23	0	60	0				
	10/27/2014	8:50	10/27/2014 8:50		20	23	0	64	0		0.0	0.00	0.00
	10/27/2014	8:51	10/27/2014 8:51		30	31	4	64	8.0		4.0	0.46	0.46
	10/27/2014	9:04	10/27/2014 9:04		30	31	7	68	13.9		142.5	16.30	16.76
	10/27/2014	10:08	10/27/2014 10:08		30	30	9	78	17.7		1013.2	115.91	132.67
	10/27/2014	10:09	10/27/2014 10:09		32	31	13	78	26.2		22.0	2.51	135.18
	10/27/2014	11:11	10/27/2014 11:11		33	31	12	86	24.3		1563.7	178.89	314.07
	10/27/2014	11:25	10/27/2014 11:25		32	31	13	86	26.0		351.7	40.24	354.31
	10/27/2014	12:46	10/27/2014 12:46		32	31	13	90	25.9		2101.4	240.40	594.71
	10/27/2014	13:51	10/27/2014 13:51		32	31	13	92	25.8		1681.6	192.37	787.08
	10/27/2014	15:35	10/27/2014 15:35		32	3	14	92	27.8		2791.4	319.33	1106.41
	10/27/2014	16:36	10/27/2014 16:36		32	30	14	90	27.9		1699.5	194.42	1300.83
10/27/2014	16:37	10/27/2014 16:37		0	25					27.9	3.19	1304.02	
SW-76 Event 2	10/30/2014	11:54	10/30/2014 11:54		23	24	0	84	0.0				1304.02
	10/30/2014	11:58	10/30/2014 11:58		32	32	4	84	8.0		16.0	1.83	1305.85
	10/30/2014	12:07	10/30/2014 12:07		32	32	6	86	12.0		90.0	10.30	1316.15
	10/30/2014	13:12	10/30/2014 13:12		32	31	8	86	16.0		909.7	104.07	1420.23
	10/30/2014	13:15	10/30/2014 13:15		34	32.5	12	86	24.5		60.8	6.95	1427.18
	10/30/2014	14:23	10/30/2014 14:23		34	32.5	12	86	24.5		1666.6	190.66	1617.83
	10/30/2014	15:47	10/30/2014 15:47		34	32	14	80	28.8		2237.2	255.93	1873.76
	10/30/2014	16:49	10/30/2014 16:49		34	31	15	76	30.9		1850.3	211.68	2085.44
	10/30/2014	16:50	10/30/2014 16:50		0	27					30.9	3.54	2088.98
SW-76 Event 3	11/3/2014	12:18	11/3/2014 12:18		22	23	0	78	0.0				2088.98
	11/3/2014	12:23	11/3/2014 12:23		32	32	5	78	10.1		25	2.88	2091.86
	11/3/2014	12:37	11/3/2014 12:37		32	31	9	78	18.1		197.4	22.59	2114.45
	11/3/2014	13:01	11/3/2014 13:01		32	31	10	76	20.2		459.8	52.60	2167.05
	11/3/2014	14:13	11/3/2014 14:13		32	31	11	78	22.2		1524.5	174.41	2341.46
	11/3/2014	15:18	11/3/2014 15:18		32	31	11	78	22.2		1440.5	164.80	2506.25
	11/3/2014	16:19	11/3/2014 16:19		32	31	12	73	24.3		1416.9	162.09	2668.35
	11/3/2014	16:44	11/3/2014 16:44		32	31	12	70	24.4		608.2	69.58	2737.93
	11/3/2014	16:45	11/3/2014 16:45			25					24.4	2.79	2740.72
SW-76 Event 4	11/6/2014	8:17	11/6/2014 8:17		26	26	0	67	0.0				2740.72
	11/6/2014	8:22	11/6/2014 8:22		31	31	6	68	12.1		30.2	3.45	2744.17
	11/6/2014	8:48	11/6/2014 8:48		32	30	8	71	16.2		367.9	42.09	2786.26
	11/6/2014	8:49	11/6/2014 8:49		34	32	11	71	22.8		19.5	2.23	2788.49
	11/6/2014	9:55	11/6/2014 9:55		34	32	12	79	24.7		1566.4	179.19	2967.68
	11/6/2014	12:52	11/6/2014 12:52		34	30	16	84	32.7		5081.0	581.27	3548.95
	11/6/2014	12:53	11/6/2014 12:53			24					32.7	3.75	3552.70
SW-76 Event 5	11/10/2014	7:52	11/10/2014 7:52		23	21	0	58	0.0		0.00	0.00	3552.70
	11/10/2014	7:55	11/10/2014 7:55		31	31	5	58	10.2		15.24	1.74	3554.44
	11/10/2014	8:29	11/10/2014 8:29		30	30	10	66	19.9		511.65	58.53	3612.97
	11/10/2014	8:30	11/10/2014 8:30		32	31	12	66	24.5		22.20	2.54	3615.51
	11/10/2014	8:49	11/10/2014 8:49		32	30	12	66	24.5		464.76	53.17	3668.68
	11/10/2014	10:12	11/10/2014 10:12		33	30	12	67	24.7		2040.22	233.40	3902.08
	11/10/2014	10:13	11/10/2014 10:13		36	32	16	67	34.0		29.34	3.36	3905.44
	11/10/2014	11:47	11/10/2014 11:47		36	32	17	72	35.9		3284.80	375.78	4281.22
	11/10/2014	12:33	11/10/2014 12:33		36	31	18	72	38.0		1700.81	194.57	4475.79
	11/10/2014	12:34	11/10/2014 12:34			26					38.03	4.35	4480.14
SW-76 Event 6	11/18/2014	7:48	11/18/2014 7:48		37	37	11	42	24.2				4480.14
	11/18/2014	8:08	11/18/2014 8:08		36	36	14	52	30.2		543.72	62.20	4542.34
	11/18/2014	9:26	11/18/2014 9:26		34	34	16	58	33.6		2486.62	284.47	4826.81

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/18/2014	10:40	11/18/2014 10:40		34	34	16	60	33.5		2482.67	284.02	5110.83
	11/18/2014	12:01	11/18/2014 12:01		37	32	19	66	40.8		3009.16	344.25	5455.08
	11/18/2014	12:02	11/18/2014 12:02			27					40.78	4.67	5459.74
SW-76 Event 7	12/1/2014	12:27	12/1/2014 12:27		29	29	0	78	0.0				5459.74
	12/1/2014	12:34	12/1/2014 12:34		35	34	12	80	24.9		87.17	9.97	5469.72
	12/1/2014	14:06	12/1/2014 14:06		35	33.5	13	81	27.0		2385.50	272.90	5742.62
	12/1/2014	16:25	12/1/2014 16:25		35	32.5	17	76	35.4		4334.86	495.91	6238.53
	12/1/2014	16:59	12/1/2014 16:59		35	32	18	69	37.8		1244.00	142.31	6380.84
	12/1/2014	17:00	12/1/2014 17:00			28					37.76	4.32	6385.16
SW-76 Event 8	12/4/2014	12:35	12/4/2014 12:35		28.5	28.5	0	78	0.0		0.00	0.00	6385.16
	12/4/2014	13:03	12/4/2014 13:03		34	32.5	14	80	28.8		402.60	46.06	6431.22
	12/4/2014	14:58	12/4/2014 14:58		34	32.5	14	76	28.9		3313.47	379.06	6810.28
	12/4/2014	16:18	12/4/2014 16:18		34	31.5	16	72	33.1		2479.57	283.66	7093.94
	12/4/2014	16:19	12/4/2014 16:19		36	32.5	20	72	42.3		37.69	4.31	7098.25
	12/4/2014	16:54	12/4/2014 16:54		36	32.5	20	69	42.4		1481.15	169.44	7267.69
	12/4/2014	16:55	12/4/2014 16:55			27					42.38	4.85	7272.54
SW-76 Event 9	12/8/2014	12:38	12/8/2014 12:38		27	27	0	60	0.0				7272.54
	12/8/2014	12:48	12/8/2014 12:48		35	33.5	14	60	29.6		148.16	16.95	7289.49
	12/8/2014	14:03	12/8/2014 14:03		35	33.5	14	63	29.5		2219.01	253.86	7543.35
	12/8/2014	17:05	12/8/2014 17:05		35	31	19	60	40.2		6347.82	726.19	8269.54
	12/8/2014	17:06	12/8/2014 17:06			27					40.21	4.60	8274.14
Total CO2 Mass (lbs):												8274.14	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-77 Event 1	10/21/2014	14:52	10/21/2014 14:52		15	18	0	95	0				
	10/21/2014	14:58	10/21/2014 14:58		20	24	0	95	0		0.0	0.00	0.00
	10/21/2014	15:00	10/21/2014 15:00		30	32	0	95	0		0.0	0.00	0.00
	10/21/2014	15:12	10/21/2014 15:12		29	31	0	95	0		0.0	0.00	0.00
	10/21/2014	15:42	10/21/2014 15:42		30	30	0	94	0		0.0	0.00	0.00
	10/21/2014	16:10	10/21/2014 16:10		30	30	< 2	94	0		0.0	0.00	0.00
	10/21/2014	16:12	10/21/2014 16:12		32	33	4	94	7.9		7.9	0.91	0.91
	10/21/2014	17:00	10/21/2014 17:00		33	33	6	88	12.1		481.0	55.02	55.93
	10/21/2014	18:04	10/21/2014 18:04		32	31	8	83	16.0		900.6	103.03	158.96
	10/21/2014	18:09	10/21/2014 18:09								80.2	9.18	168.14
SW-77 Event 2	10/31/2014	7:29	10/31/2014 7:29		22	25	0	60	0				168.14
	10/31/2014	7:39	10/31/2014 7:39		32	32.5	0	60	0		0.0	0.00	168.14
	10/31/2014	7:47	10/31/2014 7:47		32	32.5	3	62	6.1		24.6	2.81	170.95
	10/31/2014	8:17	10/31/2014 8:17		32	32	5	68	10.2		244.7	27.99	198.94
	10/31/2014	8:26	10/31/2014 8:26		34	34	8	68	16.6		120.6	13.80	212.73
	10/31/2014	10:17	10/31/2014 10:17		34	33.5	10	76	20.6		2067.1	236.48	449.21
	10/31/2014	11:27	10/31/2014 11:27		34	33	11	80	22.6		1512.5	173.03	622.25
	10/31/2014	11:34	10/31/2014 11:34		34	33	11	80	22.6		158.2	18.09	640.34
	10/31/2014	11:35	10/31/2014 11:35		0	21	0				22.6	2.58	642.92
	SW-77 Event 3	11/4/2014	8:06	11/4/2014 8:06		20	21	0	57	0.0			
11/4/2014		8:10	11/4/2014 8:10		31	32	0	57	0.0		0.0	0.0	642.92
11/4/2014		8:38	11/4/2014 8:38		30	31	6	66	12.0		167.5	19.2	662.08
11/4/2014		8:57	11/4/2014 8:57		30	31	6	68	11.9		227.0	26.0	688.06
11/4/2014		9:22	11/4/2014 9:22		30	31	6	70	11.9		298.2	34.1	722.17
11/4/2014		11:08	11/4/2014 11:08		30	30	8	76	15.8		1468.6	168.0	890.17
11/4/2014		12:30	11/4/2014 12:30		30	30	7	78	13.8		1213.1	138.8	1028.95
11/4/2014		13:12	11/4/2014 13:12		30	29	9.5	82	18.6		681.3	77.9	1106.89
11/4/2014		13:13	11/4/2014 13:13		33	31.5	12	82	24.3		21.5	2.5	1109.35
11/4/2014		14:38	11/4/2014 14:38		33	31	14	78	28.5		2246.3	257.0	1366.33
11/4/2014		14:39	11/4/2014 14:39		35	33	16	78	33.3		30.9	3.5	1369.87
11/4/2014		15:25	11/4/2014 15:25		35	32	16	76	33.3		1531.9	175.3	1545.12
11/4/2014		15:27	11/4/2014 15:27		36	34	18	76	37.9		71.2	8.1	1553.26
11/4/2014		16:55	11/4/2014 16:55		36	33	20	70	42.3		3529.8	403.8	1957.07
11/4/2014		16:56	11/4/2014 16:56			21.5					42.3	4.8	1961.91
SW-77 Event 4	11/7/2014	7:37	11/7/2014 7:37		28	29	0	56	0.0				1961.91
	11/7/2014	7:42	11/7/2014 7:42		32	33	4	56	8.2		20.6	2.4	1964.27
	11/7/2014	8:02	11/7/2014 8:02		32	31.5	7	62	14.3		225.6	25.8	1990.08
	11/7/2014	8:03	11/7/2014 8:03		34	33.5	9	62	18.8		16.6	1.9	1991.97
	11/7/2014	8:50	11/7/2014 8:50		34	32.5	12	67	25.0		1028.8	117.7	2109.67
	11/7/2014	8:52	11/7/2014 8:52		36	33.5	14	67	29.7		54.7	6.3	2115.92
	11/7/2014	10:02	11/7/2014 10:02		36	33	16	72	33.8		2223.6	254.4	2370.30
	11/7/2014	11:21	11/7/2014 11:21		36	32	18	74	38.0		2834.6	324.3	2694.57
	11/7/2014	11:22	11/7/2014 11:22		38	33.5	20	74	43.0		40.5	4.6	2699.20
	11/7/2014	11:58	11/7/2014 11:58		40	34	22	76	48.1		1640.4	187.7	2886.87
	11/7/2014	12:12	11/7/2014 12:12		40	34	22	76	48.1		673.7	77.1	2963.94
	11/7/2014	13:24	11/7/2014 13:24		39	33	22.5	77	48.7		3486.0	398.8	3362.73
	11/7/2014	14:55	11/7/2014 14:55		38	32	22	78	47.1		4360.6	498.9	3861.59
	11/7/2014	14:56	11/7/2014 14:56		40	33	23	78	50.2		48.7	5.6	3867.16
	11/7/2014	16:04	11/7/2014 16:04		45	35	28	74	64.2		3888.7	444.9	4312.03
	11/7/2014	16:06	11/7/2014 16:06			25					128.3	14.7	4326.71
SW-77 Event 5	11/11/2014	11:42	11/11/2014 11:42		24	26	0	80	0.0				4326.71

Sparge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)	Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/11/2014	11:44	11/11/2014 11:44	32	33	<2	80	0.0	0.0	0.0	4326.71
	11/11/2014	14:35	11/11/2014 14:35	30	30	8	82	15.7	1342.7	153.6	4480.31
	11/11/2014	14:36	11/11/2014 14:36	33	33	13	82	26.4	21.0	2.4	4482.72
	11/11/2014	16:08	11/11/2014 16:08	36	33	16	82	33.5	2753.2	315.0	4797.68
	11/11/2014	16:47	11/11/2014 16:47	36	32.5	16	78	33.6	1308.2	149.7	4947.34
	11/11/2014	17:29	11/11/2014 17:29	36	32.5	16	72	33.8	1415.7	162.0	5109.30
	11/11/2014	17:30	11/11/2014 17:30		25				33.8	3.9	5113.16
SW-77 Event 6	11/14/2014	7:42	11/14/2014 7:42	29	30	0	49	0.0			5113.16
	11/14/2014	7:44	11/14/2014 7:44	33	34	3	49	6.3	6.3	0.7	5113.88
	11/14/2014	8:36	11/14/2014 8:36	32	32	8	57	16.5	591.3	67.6	5181.53
	11/14/2014	8:37	11/14/2014 8:37	34	33.5	10	57	21.0	18.7	2.1	5183.67
	11/14/2014	9:55	11/14/2014 9:55	34	32.5	12	60	25.1	1799.8	205.9	5389.56
	11/14/2014	11:32	11/14/2014 11:32	34	31	14	70	29.0	2627.5	300.6	5690.14
	11/14/2014	12:20	11/14/2014 12:20	34	30	16	70	33.2	1493.4	170.8	5860.98
	11/14/2014	12:21	11/14/2014 12:21		24				33.2	3.8	5864.78
SW-77 Event 7	11/19/2014	12:16	11/19/2014 12:16	38	37	0	62	0.0			5864.78
	11/19/2014	14:00	11/19/2014 14:00	35	34	11	70	23.1	1198.7	137.1	6001.91
	11/19/2014	15:18	11/19/2014 15:18	35	34	13	68	27.3	1963.6	224.6	6226.55
	11/19/2014	16:54	11/19/2014 16:54	35	32	15	62	31.7	2831.1	323.9	6550.43
	11/19/2014	16:55	11/19/2014 16:55		25		62		31.7	3.6	6554.05
SW-77 Event 8	11/23/2014	7:39	11/23/2014 7:39	27	27	0	68	0.0			6554.05
	11/23/2014	7:42	11/23/2014 7:42	32	32	0	68	0.0	0.0	0.0	6554.05
	11/23/2014	8:27	11/23/2014 8:27	31	29	6	68	12.1	271.6	31.1	6585.13
	11/23/2014	8:29	11/23/2014 8:29	36	34	10	68	21.2	33.3	3.8	6588.93
	11/23/2014	10:04	11/23/2014 10:04	36	33.5	13	70	27.5	2314.8	264.8	6853.74
	11/23/2014	10:58	11/23/2014 10:58	36	33	14	70	29.6	1543.3	176.5	7030.29
	11/23/2014	12:38	11/23/2014 12:38	34	30.5	16	76	33.0	3131.5	358.2	7388.53
	11/23/2014	12:39	11/23/2014 12:39		22				33.0	3.8	7392.31
SW-77 Event 9	12/1/2014	8:35	12/1/2014 8:35	25	25	0	64	0.0			7392.31
	12/1/2014	8:57	12/1/2014 8:57	25	24	0	74	0.0	0.0	0.0	7392.31
	12/1/2014	8:59	12/1/2014 8:59	34	33	5	74	10.3	10.3	1.2	7393.49
	12/1/2014	9:00	12/1/2014 9:00	38	36	10	74	21.5	15.9	1.8	7395.31
	12/1/2014	9:56	12/1/2014 9:56	37	35	11	72	23.5	1259.4	144.1	7539.38
	12/1/2014	11:36	12/1/2014 11:36	36	33.5	13	76	27.4	2541.6	290.8	7830.15
	12/1/2014	12:28	12/1/2014 12:28	36	33	14	78	29.4	1475.9	168.8	7998.99
	12/1/2014	12:32	12/1/2014 12:32		24				117.6	13.5	8012.45
SW-77 Event 10	12/4/2014	8:06	12/4/2014 8:06	24	24	0	60	0.0			8012.45
	12/4/2014	8:20	12/4/2014 8:20	35	33	4	60	8.5	59.3	6.8	8019.23
	12/4/2014	8:30	12/4/2014 8:30	37	35	8	62	17.2	128.5	14.7	8033.93
	12/4/2014	10:04	12/4/2014 10:04	37	34	12	74	25.6	2011.5	230.1	8264.05
	12/4/2014	12:31	12/4/2014 12:31	35	32	14	78	29.1	4018.1	459.7	8723.72
	12/4/2014	12:32	12/4/2014 12:32		25				29.1	3.3	8727.05
SW-77 Event 11	12/5/2014	7:57	12/5/2014 7:57	28	28	0	63	0.0			8727.05
	12/5/2014	8:27	12/5/2014 8:27	27	26	<2	64	0.0	0.0	0.0	8727.05
	12/5/2014	8:28	12/5/2014 8:28	36	34	10	64	21.3	10.6	1.2	8728.27
	12/5/2014	10:36	12/5/2014 10:36	35	33.5	14	67	29.4	3246.1	371.4	9099.63
	12/5/2014	11:58	12/5/2014 11:58	35	32	15	68	31.5	2497.8	285.7	9385.37
	12/5/2014	11:59	12/5/2014 11:59	38	33	18	68	38.9	35.2	4.0	9389.40
	12/5/2014	14:13	12/5/2014 14:13	37	32	18	68	38.6	5192.5	594.0	9983.43
	12/5/2014	15:34	12/5/2014 15:34	38	32.5	20	67	43.3	3315.7	379.3	10362.74
	12/5/2014	16:56	12/5/2014 16:56	39	32	21	66	46.0	3659.8	418.7	10781.43

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/5/2014	16:57	12/5/2014 16:57			24					46.0	5.3	10786.69
SW-77 Event 12	12/9/2014	7:43	12/9/2014 7:43		29	29	0	48	0.0				10786.69
	12/9/2014	7:58	12/9/2014 7:58		36	35	7	46	15.2		113.9	13.0	10799.71
	12/9/2014	9:18	12/9/2014 9:18		36	34	11	52	23.7		1555.7	178.0	10977.68
	12/9/2014	10:34	12/9/2014 10:34		35	33.5	13	66	27.4		1940.3	222.0	11199.65
	12/9/2014	11:45	12/9/2014 11:45		34	32	14	68	29.1		2003.8	229.2	11428.89
	12/9/2014	12:40	12/9/2014 12:40		34	31	16	70	33.2		1712.7	195.9	11624.82
	12/9/2014	12:41	12/9/2014 12:41		37	32	18	70	38.5		35.8	4.1	11628.92
	12/9/2014	15:06	12/9/2014 15:06		37	32	20	66	42.9		5902.7	675.3	12304.19
	12/9/2014	17:14	12/9/2014 17:14		37	31.5	20	62	43.1		5506.1	629.9	12934.08
	12/9/2014	17:15	12/9/2014 17:15			24					43.1	4.9	12939.01
SW-77 Event 13	12/10/2014	7:50	12/10/2014 7:50		30	25	18	44	36.7				12939.01
	12/10/2014	8:11	12/10/2014 8:11		30	26	16	52	32.3		724.9	82.9	13021.94
	12/10/2014	8:12	12/10/2014 8:12		38	31	23	52	50.6		41.5	4.7	13026.68
	12/10/2014	9:20	12/10/2014 9:20		38	32	21	60	45.8		3276.1	374.8	13401.46
	12/10/2014	11:30	12/10/2014 11:30		38	32	22	68	47.6		6070.0	694.4	14095.87
	12/10/2014	12:51	12/10/2014 12:51		38	32	22	69	47.5		3853.0	440.8	14536.66
	12/10/2014	13:57	12/10/2014 13:57		38	31	22.5	69	48.6		3173.6	363.1	14899.72
	12/10/2014	13:58	12/10/2014 13:58		40	32.5	23	69	50.7		49.6	5.7	14905.40
	12/10/2014	16:02	12/10/2014 16:02		40	31.5	24	67	53.0		6424.5	735.0	15640.37
	12/10/2014	16:55	12/10/2014 16:55		40	31.5	24	62	53.2		2814.1	321.9	15962.30
	12/10/2014	16:56	12/10/2014 16:56			24					53.2	6.1	15968.39
SW-77 Event 14	12/11/2014	7:57	12/11/2014 7:57		30	24	21	42	42.9				15968.39
	12/11/2014	8:13	12/11/2014 8:13		31	25	20	49	41.0		671.3	76.8	16045.19
	12/11/2014	8:14	12/11/2014 8:14		37	29	26	49	56.8		48.9	5.6	16050.78
	12/11/2014	10:14	12/11/2014 10:14		37	30	23	60	49.7		6386.6	730.6	16781.41
	12/11/2014	11:50	12/11/2014 11:50		37	30	23	67	49.3		4751.4	543.6	17324.97
	12/11/2014	12:49	12/11/2014 12:49		37	29	23.5	65	50.5		2944.5	336.9	17661.83
	12/11/2014	12:50	12/11/2014 12:50			22					50.5	5.8	17667.60
Total CO2 Mass (lbs):												17667.60	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-78 Event 1	10/27/2014	10:39	10/27/2014 10:39		22	23	0	88	0.0				
	10/27/2014	11:03	10/27/2014 11:03		23	24	0	88	0.0		0.0	0.00	0.00
	10/27/2014	11:04	10/27/2014 11:04		31	32	2	88	3.9		2.0	0.23	0.23
	10/27/2014	11:15	10/27/2014 11:15		30	32	3	90	5.8		53.9	6.16	6.39
	10/27/2014	11:16	10/27/2014 11:16		34	35	7	90	14.2		10.0	1.15	7.54
	10/27/2014	11:28	10/27/2014 11:28		34	35	6	92	12.2		158.6	18.14	25.68
	10/27/2014	12:41	10/27/2014 12:41		34	35	7	90	14.2		964.6	110.35	136.03
	10/27/2014	13:55	10/27/2014 13:55		34	35	8	90	16.3		1129.2	129.18	265.21
	10/27/2014	15:40	10/27/2014 15:40		34	3	8	90	16.3		1709.1	195.52	460.74
	10/27/2014	16:41	10/27/2014 16:41		34	3	9	90	18.3		1055.0	120.69	581.42
	10/27/2014	16:42	10/27/2014 16:42		0	28					18.3	2.09	583.52
SW-78 Event 2	11/5/2014	7:33	11/5/2014 7:33		25	24	0	66	0.0				583.52
	11/5/2014	7:37	11/5/2014 7:37		34	34	4	66	8.3		16.7	1.91	585.42
	11/5/2014	7:52	11/5/2014 7:52		34	34	6	70	12.4		155.8	17.82	603.25
	11/5/2014	8:14	11/5/2014 8:14		34	32	7	73	14.5		296.1	33.88	637.13
	11/5/2014	8:15	11/5/2014 8:15		35	33	8	73	16.7		15.6	1.78	638.91
	11/5/2014	9:29	11/5/2014 9:29		35	33	10	82	20.7		1384.9	158.43	797.34
	11/5/2014	9:30	11/5/2014 9:30		37	34	12	82	25.4		23.0	2.64	799.98
	11/5/2014	11:06	11/5/2014 11:06		37	34	13	82	27.5		2536.0	290.11	1090.09
	11/5/2014	13:18	11/5/2014 13:18		37	34	14	78	29.7		3773.4	431.68	1521.78
	11/5/2014	14:10	11/5/2014 14:10		37	33	16	80	33.9		1653.0	189.11	1710.88
	11/5/2014	14:11	11/5/2014 14:11			27			0.0		16.9	1.94	1712.82
	11/5/2014	15:00	11/5/2014 15:00		35	29	20	84	41.3		1013.1	115.89	1828.72
	11/5/2014	15:03	11/5/2014 15:03		40	31.5	22	84	47.8		133.7	15.29	1844.01
	11/5/2014	15:30	11/5/2014 15:30		40	33.5	20	80	43.6		1233.0	141.05	1985.06
	11/5/2014	16:46	11/5/2014 16:46		40	34	20	77	43.7		3316.8	379.44	2364.50
	11/5/2014	17:32	11/5/2014 17:32		40	34	21		49.8		2150.5	246.02	2610.52
11/5/2014	17:33	11/5/2014 17:33			27					49.8	5.70	2616.22	
SW-78 Event 3	11/12/2014	12:53	11/12/2014 12:53		20	18	0	80	0.0				2616.22
	11/12/2014	12:54	11/12/2014 12:54		35	34	4	80	8.3		4.2	0.47	2616.69
	11/12/2014	13:11	11/12/2014 13:11		34	32	6	80	12.3		175.3	20.06	2636.75
	11/12/2014	14:30	11/12/2014 14:30		33	31	10	83	20.3		1287.4	147.28	2784.02
	11/12/2014	14:33	11/12/2014 14:33		40	35	18	83	39.1		89.1	10.19	2794.21
	11/12/2014	15:45	11/12/2014 15:45		40	35	17	80	37.0		2741.4	313.61	3107.83
	11/12/2014	17:28	11/12/2014 17:28		40	35	21	73	46.1		4280.3	489.66	3597.49
	11/12/2014	17:29	11/12/2014 17:29			28.5					46.1	5.27	3602.76
	SW-78 Event 4	11/18/2014	12:05	11/18/2014 12:05		40	35	2	62	4.4			
11/18/2014		13:59	11/18/2014 13:59		39	34	12	64	26.3		1752.7	200.51	3803.27
11/18/2014		15:40	11/18/2014 15:40		37	32	14	64	30.1		2849.4	325.97	4129.24
11/18/2014		17:05	11/18/2014 17:05		39	32	17	60	37.4		2870.4	328.37	4457.61
11/18/2014		17:06	11/18/2014 17:06			26					37.4	4.28	4461.89
SW-78 Event 5	11/20/2014	11:49	11/20/2014 11:49		35	34	0	70	0.0				4461.89
	11/20/2014	12:21	11/20/2014 12:21		35	32	10	70	21.0		335.3	38.36	4500.25
	11/20/2014	14:24	11/20/2014 14:24		34	30	12	76	24.7		2810.6	321.53	4821.78
	11/20/2014	14:25	11/20/2014 14:25		36	33	14	76	29.5		27.1	3.10	4824.88
	11/20/2014	15:18	11/20/2014 15:18		36	32	16	73	33.8		1675.8	191.71	5016.59
	11/20/2014	16:20	11/20/2014 16:20		35	30	16	71	33.5		2085.3	238.56	5255.15
	11/20/2014	16:52	11/20/2014 16:52		35	30	18	70	37.7		1139.5	130.36	5385.51
	11/20/2014	16:53	11/20/2014 16:53			24					37.7	4.32	5389.83
SW-78 Event 6	11/24/2014	11:59	11/24/2014 11:59		30	30	0	80	0.0				5389.83
	11/24/2014	12:00	11/24/2014 12:00		32	32	0	80	0.0		0.0	0.00	5389.83

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/24/2014	12:42	11/24/2014 12:42		30	31	4	81	7.9		165.0	18.88	5408.71
	11/24/2014	12:43	11/24/2014 12:43		36	36	10	81	20.9		14.4	1.65	5410.36
	11/24/2014	14:22	11/24/2014 14:22		36	35	12	80	25.2		2282.1	261.07	5671.43
	11/24/2014	15:47	11/24/2014 15:47		36	34.5	13.5	77	28.4		2275.5	260.32	5931.75
	11/24/2014	16:55	11/24/2014 16:55		36	34	14	74	29.5		1968.8	225.23	6156.98
	11/24/2014	16:56	11/24/2014 16:56			27					29.5	3.38	6160.36
SW-78 Event 7	12/2/2014	12:58	12/2/2014 12:58		31	32	0	80	0.0				6160.36
	12/2/2014	13:30	12/2/2014 13:30		30	31	<2	82	0.0		0.0	0.00	6160.36
	12/2/2014	13:31	12/2/2014 13:31		37	36.5	8	82	16.9		8.5	0.97	6161.32
	12/2/2014	15:09	12/2/2014 15:09		37	36	12	80	25.4		2073.4	237.20	6398.53
	12/2/2014	17:13	12/2/2014 17:13		37	35	14	70	29.9		3431.2	392.53	6791.05
	12/2/2014	17:15	12/2/2014 17:15			28					59.9	6.85	6797.90
SW-78 Event 8	12/4/2014	8:15	12/4/2014 8:15		31	31	0	62	0.0				6797.90
	12/4/2014	8:31	12/4/2014 8:31		30	30	4	64	8.0		63.9	7.31	6805.21
	12/4/2014	8:32	12/4/2014 8:32		35	34	8	64	16.9		12.4	1.42	6806.63
	12/4/2014	9:54	12/4/2014 9:54		35	33.5	12	79	24.9		1713.5	196.03	7002.66
	12/4/2014	12:47	12/4/2014 12:47		34	32	14	80	28.8		4643.8	531.25	7533.92
	12/4/2014	12:48	12/4/2014 12:48			25					28.8	3.29	7537.20
SW-78 Event 9	12/18/2014	12:29	12/18/2014 12:29		30	30	0	68	0.0				7537.20
	12/18/2014	12:42	12/18/2014 12:42		30	31	0	69	0.0		0.0	0.00	7537.20
	12/18/2014	12:43	12/18/2014 12:43		34	34	5	69	10.4		5.2	0.59	7537.80
	12/18/2014	13:28	12/18/2014 13:28		34	33	6	73	12.4		512.8	58.66	7596.46
	12/18/2014	13:29	12/18/2014 13:29		36	35.5	9	73	19.0		15.7	1.80	7598.25
	12/18/2014	14:49	12/18/2014 14:49		36	35	13	71	27.5		1859.6	212.74	7810.99
	12/18/2014	15:54	12/18/2014 15:54		36	34	14	69	29.7		1857.7	212.52	8023.51
	12/18/2014	16:50	12/18/2014 16:50		36	33.5	15.5	69	32.8		1750.3	200.24	8223.75
	12/18/2014	16:51	12/18/2014 16:51			26					32.8	3.76	8227.51
SW-78 Event 10	1/9/2015	7:44	1/9/2015 7:44		30	30	0	46	0.0				8227.51
	1/9/2015	7:56	1/9/2015 7:56		29	29	4	47	8.0		48.2	5.52	8233.02
	1/9/2015	7:57	1/9/2015 7:57		37	35.5	12	47	26.3		17.1	1.96	8234.98
	1/9/2015	9:48	1/9/2015 9:48		37	33.5	15	60	32.4		3255.1	372.38	8607.37
	1/9/2015	9:49	1/9/2015 9:49		40	35	16	60	35.6		34.0	3.89	8611.25
	1/9/2015	11:05	1/9/2015 11:05		40	34	19	60	42.2		2955.7	338.14	8949.39
	1/9/2015	11:06	1/9/2015 11:06			27					42.2	4.83	8954.22
SW-78 Event 11	1/16/2015	8:27	1/16/2015 8:27		28	30	0	52	0.0				8954.22
	1/16/2015	8:50	1/16/2015 8:50		27	29	0	54	0.0		0.0	0.00	8954.22
	1/16/2015	8:51	1/16/2015 8:51		36	35	13	54	28.0		14.0	1.60	8955.82
	1/16/2015	9:57	1/16/2015 9:57		36	35	14	60	29.9		1910.6	218.57	9174.39
	1/16/2015	11:44	1/16/2015 11:44		36	34.5	16	64	34.1		3424.3	391.74	9566.13
	1/16/2015	13:07	1/16/2015 13:07		35	33.5	17	64	35.8		2901.3	331.91	9898.04
	1/16/2015	13:08	1/16/2015 13:08			26.5					35.8	4.10	9902.14
SW-78 Event 12	1/23/2015	8:15	1/23/2015 8:15		29	29	0	63	0.0				9902.14
	1/23/2015	8:21	1/23/2015 8:21		28	28	3	63	5.9		17.6	2.01	9904.15
	1/23/2015	8:22	1/23/2015 8:22		37	35	11	63	23.7		14.8	1.69	9905.84
	1/23/2015	9:27	1/23/2015 9:27		37	34	15	63	32.3		1819.2	208.12	10113.96
	1/23/2015	10:34	1/23/2015 10:34		37	33	16	64	34.4		2234.7	255.65	10369.61
	1/23/2015	11:26	1/23/2015 11:26		37	32	18	64	38.7		1901.3	217.51	10587.12
	1/23/2015	11:27	1/23/2015 11:27			27					38.7	4.43	10591.55
SW-78 Event 13	1/26/2015	8:20	1/26/2015 8:20		30	31	0	58	0.0				10591.55
	1/26/2015	9:22	1/26/2015 9:22		28	28	6	68	11.7		361.6	41.37	10632.91
	1/26/2015	9:23	1/26/2015 9:23		38	34	14	68	30.3		21.0	2.40	10635.31

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/26/2015	10:50	1/26/2015 10:50		36	34	15	70	31.8		2698.7	308.74	10944.05
	1/26/2015	12:11	1/26/2015 12:11		36	33	16	70	33.9		2657.8	304.06	11248.11
	1/26/2015	12:12	1/26/2015 12:12		40	34.5	19	70	41.8		37.8	4.33	11252.43
	1/26/2015	12:40	1/26/2015 12:40		40	34.5	19	70	41.8		1170.6	133.91	11386.35
	1/26/2015	12:42	1/26/2015 12:42			28					83.6	9.57	11395.91
SW-78 Event 14	1/28/2015	12:46	1/28/2015 12:46		26	27.5	0	68	0.0				11395.91
	1/28/2015	13:07	1/28/2015 13:07		26	27	0	70	0.0		0.0	0.00	11395.91
	1/28/2015	13:08	1/28/2015 13:08		35	35	12	70	25.1		12.6	1.44	11397.35
	1/28/2015	15:12	1/28/2015 15:12		35	33.5	14	70	29.3		3378.2	386.46	11783.81
	1/28/2015	16:35	1/28/2015 16:35		35	32	14	64	29.5		2442.4	279.41	12063.22
	1/28/2015	16:36	1/28/2015 16:36			26.5					29.5	3.38	12066.59
SW-78 Event 15	2/3/2015	8:06	2/3/2015 8:06		28	29	<2	46	0.0				12066.59
	2/3/2015	8:27	2/3/2015 8:27		28	29	7	52	13.8		145.2	16.61	12083.20
	2/3/2015	8:29	2/3/2015 8:29		37	33	17	52	37.0		50.8	5.82	12089.02
	2/3/2015	10:00	2/3/2015 10:00		38	33	17	60	37.1		3370.6	385.60	12474.61
	2/3/2015	11:40	2/3/2015 11:40		37	32	18	63	38.8		3791.2	433.71	12908.32
	2/3/2015	12:39	2/3/2015 12:39		37	31.5	18	65	38.7		2284.2	261.31	13169.63
	2/3/2015	12:40	2/3/2015 12:40			25					38.7	4.42	13174.06
SW-78 Event 16	2/5/2015	8:15	2/5/2015 8:15		27	28	0	56	0.0				13174.06
	2/5/2015	8:49	2/5/2015 8:49		26	27	6	56	11.5		195.8	22.40	13196.46
	2/5/2015	8:50	2/5/2015 8:50		36	33	16	56	34.3		22.9	2.62	13199.08
	2/5/2015	10:07	2/5/2015 10:07		36	33	17	60	36.3		2721.7	311.37	13510.45
	2/5/2015	11:44	2/5/2015 11:44		36	33	18	60	38.5		3629.4	415.20	13925.65
	2/5/2015	12:10	2/5/2015 12:10		36	33	18	64	38.3		998.6	114.24	14039.89
	2/5/2015	12:11	2/5/2015 12:11			26					38.3	4.39	14044.28
SW-78 Event 17	10-Feb	8:01	2/10/2015 8:01		27	29	0	58	0.0				14044.28
	10-Feb	8:45	2/10/2015 8:45		26	29	6	58	11.5		252.9	28.94	14073.21
	10-Feb	8:46	2/10/2015 8:46		34	32.5	14.5	58	30.4		21.0	2.40	14075.61
	10-Feb	10:30	2/10/2015 10:30		34	32.5	15	62	31.4		3213.3	367.60	14443.21
	10-Feb	11:40	2/10/2015 11:40		34	31	16	65	33.3		2264.8	259.09	14702.30
	10-Feb	12:30	2/10/2015 12:30		34	31	16	65	33.3		1667.5	190.76	14893.06
	10-Feb	12:31	2/10/2015 12:31			24					33.3	3.82	14896.87
SW-78 Event 18	25-Feb	7:59	2/25/2015 7:59		36	32	16	54	34.4				14896.87
	25-Feb	8:30	2/25/2015 8:30		36	30	19	58	40.7		1164.4	133.21	15030.08
	25-Feb	8:31	2/25/2015 8:31		42	33	24	58	54.4		47.6	5.44	15035.52
	25-Feb	10:24	2/25/2015 10:24		40	31.5	23	60	51.1		5963.4	682.21	15717.73
	25-Feb	11:28	2/25/2015 11:28		42	31.5	24	60	54.3		3374.0	385.98	16103.71
	25-Feb	12:33	2/25/2015 12:33		42	31.5	24	61	54.3		3529.1	403.73	16507.44
	25-Feb	12:34	2/25/2015 12:34			24					54.3	6.21	16513.65
Total CO2 Mass (lbs):												16513.65	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-79 Event 1	10/29/2014	8:45	10/29/2014 8:45		24	24	0	72	0.0				
	10/29/2014	9:02	10/29/2014 9:02		24	25	0	72	0.0		0.0	0.00	0.00
	10/29/2014	9:03	10/29/2014 9:03		24	34	7	74	12.9		6.4	0.74	0.74
	10/29/2014	10:31	10/29/2014 10:31		34	31	12	83	24.6		1647.8	188.51	189.25
	10/29/2014	10:32	10/29/2014 10:32		32	33	15	83	30.1			3.13	192.37
	10/29/2014	11:34	10/29/2014 11:34		34	33	15	88	30.6		1880.3	215.10	407.48
	10/29/2014	12:00	10/29/2014 12:00		34	33	15	88	30.6		795.0	90.95	498.43
	10/29/2014	13:20	10/29/2014 13:20		34	32	16	88	32.6		2527.7	289.17	787.60
	10/29/2014	14:05	10/29/2014 14:05		34	32	16	88	32.6		1467.7	167.91	955.51
	10/29/2014	14:53	10/29/2014 14:53		34	32	16	90	32.6		1564.1	178.93	1134.44
	10/29/2014	16:31	10/29/2014 16:31		34	32	17	90	34.6		3290.0	376.38	1510.82
	10/29/2014	16:32	10/29/2014 16:32		0	25	0				34.6	3.96	1514.78
SW-79 Event 2	11/3/2014	12:45	11/3/2014 12:45		23	25	0	79	0.0				1514.78
	11/3/2014	12:52	11/3/2014 12:52		32	32.5	5	79	10.1		35.2	4.03	1518.81
	11/3/2014	13:10	11/3/2014 13:10		32	32.5	6	80	12.1		199.2	22.78	1541.59
	11/3/2014	14:25	11/3/2014 14:25		32	32	7	80	14.1		980.3	112.15	1653.74
	11/3/2014	15:29	11/3/2014 15:29		32	32	7	80	14.1		900.9	103.06	1756.80
	11/3/2014	16:29	11/3/2014 16:29		32	32	7.5	77	15.1		876.0	100.22	1857.01
	11/3/2014	16:53	11/3/2014 16:53		32	32	8	76	16.1		375.3	42.93	1899.95
	11/3/2014	16:54	11/3/2014 16:54			22					16.1	1.85	1901.79
SW-79 Event 3	11/5/2014	13:24	11/5/2014 13:24		28	28	0	80	0.0				1901.79
	11/5/2014	13:27	11/5/2014 13:27		32	34	0	80	0.0		0.0	0.00	1901.79
	11/5/2014	14:08	11/5/2014 14:08		32	34	0	80	0.0		0.0	0.00	1901.79
	11/5/2014	14:09	11/5/2014 14:09			26					0.0	0.00	1901.79
SW-79 Event 4	11/12/2014	7:46	11/12/2014 7:46		26	20	0	61	0.0				1901.79
	11/12/2014	7:48	11/12/2014 7:48		35	35	6	61	12.7		12.7	1.45	1903.25
	11/12/2014	8:10	11/12/2014 8:10		34	32.5	6	70	12.4		276.4	31.62	1934.87
	11/12/2014	8:22	11/12/2014 8:22		35	33	10	70	21.0		200.4	22.93	1957.80
	11/12/2014	9:33	11/12/2014 9:33		34	30.5	12	72	24.8		1625.8	185.99	2143.79
	11/12/2014	9:34	11/12/2014 9:34		40	33.5	16	72	35.1		30.0	3.43	2147.22
	11/12/2014	11:19	11/12/2014 11:19		35	31	16	81	33.2		3586.3	410.27	2557.49
	11/12/2014	12:47	11/12/2014 12:47		35	31	18	78	37.4		3106.5	355.39	2912.88
	11/12/2014	12:48	11/12/2014 12:48			24					37.4	4.28	2917.16
SW-79 Event 5	11/20/2014	7:23	11/20/2014 7:23		38	28	2	34	4.5				2917.16
	11/20/2014	8:53	11/20/2014 8:53		34	30	12	66	25.0		1326.0	151.70	3068.86
	11/20/2014	10:13	11/20/2014 10:13		34	30	14	70	29.0		2161.0	247.22	3316.07
	11/20/2014	11:41	11/20/2014 11:41		34	30	16	70	33.2		2737.8	313.21	3629.28
	11/20/2014	11:42	11/20/2014 11:42			22		70			33.2	3.80	3633.08
SW-79 Event 6	11/24/2014	7:24	11/24/2014 7:24		28	28	0	78	0.0				3633.08
	11/24/2014	7:27	11/24/2014 7:27		36	36	10	78	21.0		31.5	3.60	3636.68
	11/24/2014	7:54	11/24/2014 7:54		36	35	12	76	25.3		624.5	71.44	3708.13
	11/24/2014	7:55	11/24/2014 7:55		38	36	13	76	27.9		26.6	3.04	3711.17
	11/24/2014	10:11	11/24/2014 10:11		36	34	18	79	37.8		4466.0	510.90	4222.07
	11/24/2014	10:12	11/24/2014 10:12		40	35	20	79	43.6		40.7	4.66	4226.73
	11/24/2014	11:35	11/24/2014 11:35		40	34	21	79	45.8		3711.0	424.54	4651.27
	11/24/2014	11:56	11/24/2014 11:56		40	34	22	79	48.0		984.7	112.65	4763.93
	11/24/2014	11:57	11/24/2014 11:57			27					48.0	5.49	4769.41
SW-79 Event 7	12/2/2014	7:44	12/2/2014 7:44		30	31	0	68	0.0				4769.41
	12/2/2014	8:50	12/2/2014 8:50		30	28.5	4	69	8.0		262.4	30.02	4799.43
	12/2/2014	8:50	12/2/2014 8:50		37	35.5	14	69	30.0		0.0	0.00	4799.43
	12/2/2014	10:21	12/2/2014 10:21		37	35	14	76	29.8		2717.3	310.86	5110.29

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/2/2014	11:55	12/2/2014 11:55		37	34.5	16	79	33.9		2992.4	342.33	5452.62
	12/2/2014	12:55	12/2/2014 12:55		37	34	17	79	36.0		2098.2	240.04	5692.66
	12/2/2014	12:56	12/2/2014 12:56			28					36.0	4.12	5696.78
SW-79 Event 8	12/8/2014	7:52	12/8/2014 7:52		30	30	0	56	0.0				5696.78
	12/8/2014	8:58	12/8/2014 8:58		29	28.5	6	58	11.9		393.3	45.00	5741.78
	12/8/2014	8:59	12/8/2014 8:59		36	34	14	58	30.0		21.0	2.40	5744.18
	12/8/2014	10:39	12/8/2014 10:39		36	33	18	64	38.3		3416.3	390.82	6135.00
	12/8/2014	10:40	12/8/2014 10:40		40	34.5	20	64	44.3		41.3	4.72	6139.72
	12/8/2014	12:24	12/8/2014 12:24		40	32.5	22	66	48.6		4829.1	552.45	6692.17
	12/8/2014	12:25	12/8/2014 12:25			25					48.6	5.56	6697.73
SW-79 Event 9	12/11/2014	8:04	12/11/2014 8:04		30	30	0	46	0.0				6697.73
	12/11/2014	8:18	12/11/2014 8:18		29	29	4	48	8.0		56.2	6.43	6704.16
	12/11/2014	8:19	12/11/2014 8:19		35	35	10	48	21.4		14.7	1.68	6705.85
	12/11/2014	10:18	12/11/2014 10:18		35	33	14	62	29.6		3034.3	347.12	7052.97
	12/11/2014	11:01	12/11/2014 11:01		38	34	16	62	34.8		1384.4	158.38	7211.35
	12/11/2014	11:52	12/11/2014 11:52		38	33.5	18	68	38.9		1880.8	215.17	7426.51
	12/11/2014	13:04	12/11/2014 13:04		38	33	19	67	41.1		2882.9	329.81	7756.32
	12/11/2014	13:05	12/11/2014 13:05			26					41.1	4.71	7761.03
SW-79 Event 10	12/15/2014	12:32	12/15/2014 12:32		30	30	0	78	0.0				7761.03
	12/15/2014	12:42	12/15/2014 12:42		30	29.5	5	78	9.9		49.3	5.64	7766.67
	12/15/2014	12:43	12/15/2014 12:43		37	35	14	78	29.7		19.8	2.26	7768.93
	12/15/2014	14:15	12/15/2014 14:15		37	33.5	16	75	34.0		2932.2	335.44	8104.37
	12/15/2014	15:56	12/15/2014 15:56		36	33	18	76	37.9		3632.2	415.53	8519.89
	12/15/2014	16:59	12/15/2014 16:59		36	32.5	20	69	42.4		2528.3	289.24	8809.13
	12/15/2014	17:00	12/15/2014 17:00			26					42.4	4.85	8813.98
SW-79 Event 11	1/14/2015	12:44	1/14/2015 12:44		32	32.5	0	60	0.0				8813.98
	1/14/2015	13:13	1/14/2015 13:13		31	32	5	61	10.1		146.9	16.80	8830.78
	1/14/2015	13:14	1/14/2015 13:14		38	36	16	61	34.9		22.5	2.57	8833.36
	1/14/2015	13:42	1/14/2015 13:42		38	36	16	61	34.9		975.9	111.65	8945.00
	1/14/2015	15:33	1/14/2015 15:33		38	35	18	60	39.3		4112.8	470.51	9415.51
	1/14/2015	17:09	1/14/2015 17:09		38	34	20	59	43.7		3979.5	455.26	9870.77
	1/14/2015	17:10	1/14/2015 17:10			27					43.7	4.99	9875.76
SW-79 Event 12	1/26/2015	12:45	1/26/2015 12:45		34	34	0	71	0.0				9875.76
	1/26/2015	12:51	1/26/2015 12:51		34	33.5	8	71	16.6		49.7	5.69	9881.45
	1/26/2015	12:52	1/26/2015 12:52		36	35	12	71	25.4		21.0	2.40	9883.85
	1/26/2015	13:52	1/26/2015 13:52		36	34.5	14	69	29.7		1651.4	188.91	10072.76
	1/26/2015	14:48	1/26/2015 14:48		36	33.5	16	66	34.0		1782.8	203.95	10276.72
	1/26/2015	14:49	1/26/2015 14:49		38	34	19	66	41.2		37.6	4.30	10281.02
	1/26/2015	15:46	1/26/2015 15:46		39	34	18	64	39.5		2298.6	262.96	10543.98
	1/26/2015	16:52	1/26/2015 16:52		39	33	19	60	41.8		2682.9	306.92	10850.90
	1/26/2015	16:53	1/26/2015 16:53			28					41.8	4.79	10855.69
SW-79 Event 13	1/28/2015	7:43	1/28/2015 7:43		26	28	0	44	0.0				10855.69
	1/28/2015	8:10	1/28/2015 8:10		25	26	4	48	7.6		103.2	11.81	10867.49
	1/28/2015	8:11	1/28/2015 8:11		32	31	15	48	31.1		19.4	2.22	10869.71
	1/28/2015	9:46	1/28/2015 9:46		32	31	15	60	30.8		2939.9	336.33	11206.04
	1/28/2015	10:37	1/28/2015 10:37		32	31	16	60	32.8		1621.0	185.44	11391.48
	1/28/2015	10:38	1/28/2015 10:38		35	32	20	60	42.3		37.6	4.30	11395.77
	1/28/2015	12:38	1/28/2015 12:38		35	32	20	66	42.1		5064.5	579.38	11975.15
	1/28/2015	12:40	1/28/2015 12:40			25.5					84.2	9.63	11984.78
SW-79 Event 14	1/30/2015	7:31	1/30/2015 7:31		28	29	0	58	0.0				11984.78
	1/30/2015	7:41	1/30/2015 7:41		28	29	5	58	9.8		49.1	5.62	11990.40

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/30/2015	7:42	1/30/2015 7:42		37	34.5	18	58	38.9		24.4	2.79	11993.19
	1/30/2015	9:08	1/30/2015 9:08		37	33.5	20	61	43.1		3530.0	403.83	12397.02
	1/30/2015	9:58	1/30/2015 9:58		37	33	20	67	42.9		2150.8	246.06	12643.08
	1/30/2015	9:59	1/30/2015 9:59		40	34.5	23	67	50.8		46.8	5.36	12648.43
	1/30/2015	10:47	1/30/2015 10:47		40	34	24	69	52.9		2486.8	284.49	12932.92
	1/30/2015	10:48	1/30/2015 10:48			27					52.9	6.05	12938.97
SW-79 Event 15	2/2/2015	7:56	2/2/2015 7:56		27	28	0	66	0.0				12938.97
	2/2/2015	8:36	2/2/2015 8:36		26	28	9	66	17.1		342.2	39.15	12978.12
	2/2/2015	8:38	2/2/2015 8:38		37	34	20	66	42.9		60.0	6.87	12984.99
	2/2/2015	9:49	2/2/2015 9:49		37	33.5	20	66	42.9		3048.1	348.70	13333.69
	2/2/2015	11:25	2/2/2015 11:25		37	33	20	65	43.0		4123.4	471.72	13805.40
	2/2/2015	13:49	2/2/2015 13:49		36	32	20.5	70	43.4		6218.7	711.42	14516.82
	2/2/2015	13:50	2/2/2015 13:50			27					43.4	4.96	14521.79
SW-79 Event 16	2/6/2015	7:27	2/6/2015 7:27		29	29	0	44	0.0				14521.79
	2/6/2015	7:55	2/6/2015 7:55		28	28	5	46	9.9		139.1	15.91	14537.70
	2/6/2015	7:56	2/6/2015 7:56		37	34	17	46	37.2		23.6	2.70	14540.40
	2/6/2015	8:52	2/6/2015 8:52		37	33.5	17.5	56	37.9		2105.1	240.82	14781.22
	2/6/2015	8:53	2/6/2015 8:53		39	34	20	56	44.2		41.1	4.70	14785.92
	2/6/2015	9:52	2/6/2015 9:52		39	33.5	20	58	44.1		2605.7	298.10	15084.02
	2/6/2015	11:02	2/6/2015 11:02		39	32	22	62	48.3		3236.0	370.20	15454.22
	2/6/2015	11:03	2/6/2015 11:03			27					48.3	5.53	15459.75
SW-79 Event 17	2/9/2015	8:10	2/9/2015 8:10		30	33	0	60	0.0				15459.75
	2/9/2015	10:05	2/9/2015 10:05		38	35.5	19	70	41.0		2358.7	269.84	15729.58
	2/9/2015	11:30	2/9/2015 11:30		38	35.5	20	70	43.2		3578.6	409.39	16138.97
	2/9/2015	13:09	2/9/2015 13:09		38	35	22	68	47.6		4493.2	514.02	16652.99
	2/9/2015	13:10	2/9/2015 13:10			27					47.6	5.44	16658.44
Total CO2 Mass (lbs):												16658.44	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/3/2015	10:54	2/3/2015 10:54		40	35	12	68	26.5		23.83359345	2.726562977	10462.68
	2/3/2015	12:12	2/3/2015 12:12		40	35	14	71	30.8		2231.965221	255.3368378	10718.02
	2/3/2015	13:29	2/3/2015 13:29		40	34.5	14	74	30.7		2366.11061	270.6830444	10988.70
	2/3/2015	14:46	2/3/2015 14:46		39.5	34	14.5	76	31.6		2396.742272	274.1873169	11262.89
	2/3/2015	14:47	2/3/2015 14:47		43	34.5	16	76	36.0		33.76588165	3.862816811	11266.75
	2/3/2015	16:14	2/3/2015 16:14		42	34.5	17	74	37.9		3214.986259	367.7944336	11634.55
	2/3/2015	17:18	2/3/2015 17:18		46	35	19	66	44.3		2630.522095	300.9317017	11935.48
	2/3/2015	17:19	2/3/2015 17:19			29					44.25827804	5.063147068	11940.54
SW-80 Event 13	3/11/2015	8:29	3/11/2015 8:29		33	34	0	68	0.0				11940.54
	3/11/2015	8:49	3/11/2015 8:49		32	33	4	72	8.1		81.05821606	9.273059845	11949.81
	3/11/2015	8:51	3/11/2015 8:51		36	36	7	72	14.8		22.89548214	2.619243145	11952.43
	3/11/2015	10:05	3/11/2015 10:05		35	35	8	80	16.6		1161.531354	132.8791962	12085.31
	3/11/2015	11:09	3/11/2015 11:09		35	34	10	82	20.7		1194.149109	136.6106567	12221.92
	3/11/2015	11:10	3/11/2015 11:10			27					20.71408088	2.369690895	12224.29
Total CO ₂ Mass (lbs):												12224.29	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-81 Event 1	10/28/2014	8:50	10/28/2014 8:50		20	21	0	62	0.0				0.00
	10/28/2014	8:50	10/28/2014 8:50		25	25	0	70	0.0		0	0	0.00
	10/28/2014	9:15	10/28/2014 9:15		33	32	11	78	22.4		280.0	32.0	32.03
	10/28/2014	10:20	10/28/2014 10:20		32	30	14	80	28.2		1643.0	188.0	219.99
	10/28/2014	11:25	10/28/2014 11:25		32	30	14	81	28.1		1829.0	209.2	429.23
	10/28/2014	13:10	10/28/2014 13:10		32	30	15	84	30.0		3054.1	349.4	778.62
	10/28/2014	14:15	10/28/2014 14:15		32	30	15	84	30.0		1953.1	223.4	1002.05
	10/28/2014	15:20	10/28/2014 15:20		32	30	15	84	30.0		1953.1	223.4	1225.49
	10/28/2014	16:40	10/28/2014 16:40		32	30	15	82	30.1		2406.1	275.3	1500.75
10/28/2014	16:45	10/28/2014 16:45										1500.75	
SW-81 Event 2	11/3/2014	12:30	11/3/2014 12:30		22	23	0	78	0.0				1500.75
	11/3/2014	12:32	11/3/2014 12:32		35	34	5	78	10.4		10.4	1.2	1501.94
	11/3/2014	12:39	11/3/2014 12:39		34	31	8	78	16.5		94.0	10.8	1512.70
	11/3/2014	13:05	11/3/2014 13:05		34	31.5	9	76	18.6		455.3	52.1	1564.78
	11/3/2014	14:14	11/3/2014 14:14		31	31	10	78	19.9		1327.8	151.9	1716.68
	11/3/2014	15:24	11/3/2014 15:24		33.5	31	10	79	20.5		1413.3	161.7	1878.36
	11/3/2014	16:24	11/3/2014 16:24		33.5	31	10	76	20.5		1229.0	140.6	2018.96
	11/3/2014	16:50	11/3/2014 16:50		33.5	31	10	74	20.6		533.8	61.1	2080.03
	11/3/2014	16:51	11/3/2014 16:51			23					20.6	2.4	2082.38
SW-81 Event 3	11/12/2014	7:59	11/12/2014 7:59		27	27	0	56	0.0				2082.38
	11/12/2014	8:01	11/12/2014 8:01		35	34	5	56	10.6		10.6	1.2	2083.59
	11/12/2014	8:14	11/12/2014 8:14		35	34	6	58	12.7		151.8	17.4	2100.96
	11/12/2014	8:25	11/12/2014 8:25		35	33.5	7	60	14.8		151.5	17.3	2118.29
	11/12/2014	9:42	11/12/2014 9:42		34	31	10	68	20.8		1370.5	156.8	2275.07
	11/12/2014	9:44	11/12/2014 9:44		40	34	12	68	26.5		47.2	5.4	2280.48
	11/12/2014	11:23	11/12/2014 11:23		38	33	13	80	27.8		2370.7	271.2	2551.68
	11/12/2014	13:02	11/12/2014 13:02		40	32	15	76	32.8		3000.0	343.2	2894.88
	11/12/2014	13:03	11/12/2014 13:03			27					32.8	3.8	2898.64
SW-81 Event 4	11/19/2014	7:15	11/19/2014 7:15		35	34	4	31	8.7				2898.64
	11/19/2014	7:35	11/19/2014 7:35		34	33	8	40	17.1		258.3	29.5	2928.18
	11/19/2014	8:52	11/19/2014 8:52		33	30	11	50	23.0		1545.3	176.8	3104.96
	11/19/2014	10:23	11/19/2014 10:23		33	30	12	60	24.9		2179.7	249.4	3354.32
	11/19/2014	11:40	11/19/2014 11:40		33	30	12	62	24.8		1913.3	218.9	3573.20
	11/19/2014	11:41	11/19/2014 11:41			22		62			24.8	2.8	3576.04
SW-81 Event 5	11/21/2014	12:41	11/21/2014 12:41		29	29	3	73	5.9				3576.04
	11/21/2014	12:42	11/21/2014 12:42		35	34	5	73	10.4		8.2	0.9	3576.98
	11/21/2014	13:36	11/21/2014 13:36		34.5	32.5	9	74	18.7		786.7	90.0	3666.98
	11/21/2014	13:37	11/21/2014 13:37		38	34.5	11	74	23.7		21.2	2.4	3669.40
	11/21/2014	15:34	11/21/2014 15:34		37.5	33.5	13	73	27.8		3013.1	344.7	4014.10
	11/21/2014	16:36	11/21/2014 16:36		37	32	14	68	30.0		1793.1	205.1	4219.22
	11/21/2014	16:51	11/21/2014 16:51		37	31	15	66	32.2		466.4	53.4	4272.58
	11/21/2014	16:52	11/21/2014 16:52			25					32.2	3.7	4276.27
SW-81 Event 6	11/24/2014	7:29	11/24/2014 7:29		27	27	3	73	5.7				4276.27
	11/24/2014	7:34	11/24/2014 7:34		36	34.5	11	73	23.2		72.4	8.3	4284.55
	11/24/2014	7:59	11/24/2014 7:59		36	32.5	11	73	23.2		580.5	66.4	4350.95
	11/24/2014	8:00	11/24/2014 8:00		42	36.5	14.5	72	32.4		27.8	3.2	4354.13
	11/24/2014	10:06	11/24/2014 10:06		41.5	34	16	74	35.6		4282.9	490.0	4844.09
	11/24/2014	11:42	11/24/2014 11:42		41	32.5	17	74	37.6		3511.5	401.7	5245.81
	11/24/2014	12:06	11/24/2014 12:06		41	32	18	74	39.8		929.0	106.3	5352.09
	11/24/2014	12:10	11/24/2014 12:10			22.5					159.3	18.2	5370.31
SW-81 Event 7	12/1/2014	12:39	12/1/2014 12:39		29	29	3	74	5.9				5370.31

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/1/2014	12:45	12/1/2014 12:45		35	34.5	10	74	20.9		80.2	9.2	5379.49
	12/1/2014	12:56	12/1/2014 12:56		35	33.5	8	75	16.7		206.6	23.6	5403.12
	12/1/2014	12:57	12/1/2014 12:57		39	36.5	10	75	21.7		19.2	2.2	5405.31
	12/1/2014	14:54	12/1/2014 14:54		39	35	13	73	28.3		2921.7	334.2	5739.56
	12/1/2014	16:10	12/1/2014 16:10		39	34	14	73	30.4		2229.8	255.1	5994.65
	12/1/2014	16:11	12/1/2014 16:11		42	34.5	15	73	33.5		32.0	3.7	5998.31
	12/1/2014	17:05	12/1/2014 17:05		42	34	16	65	36.0		1877.8	214.8	6213.13
	12/1/2014	17:07	12/1/2014 17:07			28					72.1	8.2	6221.37
SW-81 Event 8	12/2/2014	7:51	12/2/2014 7:51		30	30	4	64	8.0				6221.37
	12/2/2014	8:44	12/2/2014 8:44		29	27	8	66	15.8		629.6	72.0	6293.40
	12/2/2014	8:45	12/2/2014 8:45		36	34	11	66	23.4		19.6	2.2	6295.63
	12/2/2014	10:25	12/2/2014 10:25		36	31.5	13	74	27.4		2539.6	290.5	6586.16
	12/2/2014	10:27	12/2/2014 10:27		42	34	15	74	33.5		60.9	7.0	6593.13
	12/2/2014	11:59	12/2/2014 11:59		42	34	17	74	37.9		3285.6	375.9	6969.00
	12/2/2014	13:03	12/2/2014 13:03		42	33.5	18	74	40.2		2499.9	286.0	7255.00
	12/2/2014	13:04	12/2/2014 13:04			26					40.2	4.6	7259.59
SW-81 Event 9	12/4/2014	12:42	12/4/2014 12:42		30	30	4	78	7.9				7259.59
	12/4/2014	13:12	12/4/2014 13:12		28.5	28.5	6	80	11.6		292.2	33.4	7293.02
	12/4/2014	13:13	12/4/2014 13:13		38	34	12	80	25.7		18.6	2.1	7295.15
	12/4/2014	15:03	12/4/2014 15:03		38	33	12	76	25.8		2827.7	323.5	7618.65
	12/4/2014	15:04	12/4/2014 15:04		42	35	14	76	31.2		28.5	3.3	7621.90
	12/4/2014	16:10	12/4/2014 16:10		42	34.5	16	74	35.7		2207.8	252.6	7874.47
	12/4/2014	17:07	12/4/2014 17:07		42	33.5	16	67	36.0		2042.7	233.7	8108.16
	12/4/2014	17:08	12/4/2014 17:08			27					36.0	4.1	8112.27
SW-81 Event 10	12/9/2014	7:45	12/9/2014 7:45		30	30	0	48	0.0				8112.27
	12/9/2014	8:00	12/9/2014 8:00		29	28.5	7	50	14.0		105.1	12.0	8124.30
	12/9/2014	8:01	12/9/2014 8:01		35	33.5	10	50	21.4		17.7	2.0	8126.33
	12/9/2014	9:12	12/9/2014 9:12		35	31	12	56	25.5		1664.3	190.4	8316.72
	12/9/2014	9:13	12/9/2014 9:13		39	33.5	13	56	28.7		27.1	3.1	8319.82
	12/9/2014	10:37	12/9/2014 10:37		39	32.5	15	63	32.9		2589.7	296.3	8616.09
	12/9/2014	10:38	12/9/2014 10:38		42	34	16	63	36.1		34.5	3.9	8620.04
	12/9/2014	11:37	12/9/2014 11:37		42	33	18	64	40.6		2262.1	258.8	8878.83
	12/9/2014	12:48	12/9/2014 12:48		42	33	18	65	40.5		2879.6	329.4	9208.25
	12/9/2014	12:49	12/9/2014 12:49			25					40.5	4.6	9212.89
Total CO ₂ Mass (lbs):												9212.89	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-82 Event 1	10/21/2014	15:37	10/21/2014 15:37		18	19	0	94	0				
	10/21/2014	15:40	10/21/2014 15:40		25	26	0	94	0		0.0	0.0	0.00
	10/21/2014	16:04	10/21/2014 16:04		25	25	0	94	0		0.0	0.0	0.00
	10/21/2014	16:07	10/21/2014 16:07		34	33	0	94	0		0.0	0.0	0.00
	10/21/2014	17:00	10/21/2014 17:00		32	32	4	88	8.0		211.5	24.2	24.20
	10/21/2014	18:04	10/21/2014 18:04		32	31	6	82	12.0		640.8	73.3	97.51
	10/21/2014	18:06	10/21/2014 18:06								24.1	2.8	100.26
SW-82 Event 2	11/4/2014	8:19	11/4/2014 8:19		24	25	0	64	0.0				100.26
	11/4/2014	8:29	11/4/2014 8:29		35	35	0	64	0.0		0.0	0.0	100.26
	11/4/2014	9:03	11/4/2014 9:03		35	35	4	70	8.4		142.5	16.3	116.56
	11/4/2014	9:15	11/4/2014 9:15		35	35	4	71	8.4		100.5	11.5	128.07
	11/4/2014	11:20	11/4/2014 11:20		34	34	7	78	14.4		1423.8	162.9	290.95
	11/4/2014	13:07	11/4/2014 13:07		34	33	8	80	16.4		1649.9	188.7	479.69
	11/4/2014	14:30	11/4/2014 14:30		34	33	9	78	18.5		1450.6	166.0	645.65
	11/4/2014	14:31	11/4/2014 14:31		37	35	13	78	27.6		23.1	2.6	648.28
	11/4/2014	15:51	11/4/2014 15:51		37	35	14	74	29.8		2295.8	262.6	910.92
	11/4/2014	16:36	11/4/2014 16:36		37	35	15	70	32.1		1392.5	159.3	1070.22
	11/4/2014	16:37	11/4/2014 16:37			25					32.1	3.7	1073.89
SW-82 Event 3	11/10/2014	8:03	11/10/2014 8:03		23	23	0	65	0.0				1073.89
	11/10/2014	8:09	11/10/2014 8:09		35	35	4	66	8.4		25.2	2.9	1076.78
	11/10/2014	8:37	11/10/2014 8:37		34	35	7	67	14.6		321.7	36.8	1113.58
	11/10/2014	8:53	11/10/2014 8:53		34	34	8	68	16.6		249.5	28.5	1142.12
	11/10/2014	10:18	11/10/2014 10:18		34	34	9.5	69	19.7		1544.8	176.7	1318.85
	11/10/2014	11:55	11/10/2014 11:55		33	32	10.5	72	21.5		1999.7	228.8	1547.62
	11/10/2014	11:56	11/10/2014 11:56		36	34	15	72	31.7		26.6	3.0	1550.66
	11/10/2014	15:35	11/10/2014 15:35		36	35	16	70	33.9		7179.2	821.3	2371.96
	11/10/2014	17:07	11/10/2014 17:07		37	34	18	69	38.5		3330.1	381.0	2752.93
	11/10/2014	17:08	11/10/2014 17:08			28					38.5	4.4	2757.34
SW-82 Event 4	11/13/2014	7:33	11/13/2014 7:33		31	32	0	66	0.0				2757.34
	11/13/2014	7:35	11/13/2014 7:35		34	36	5	66	10.4		10.4	1.2	2758.53
	11/13/2014	8:10	11/13/2014 8:10		34	35	7	68	14.5		436.8	50.0	2808.49
	11/13/2014	8:11	11/13/2014 8:11		36	36	8	68	17.0		15.8	1.8	2810.30
	11/13/2014	8:34	11/13/2014 8:34		36	36	8	70	16.9		389.9	44.6	2854.90
	11/13/2014	9:26	11/13/2014 9:26		34	0	18	71	37.3		1410.1	161.3	3016.21
	11/13/2014	9:50	11/13/2014 9:50		35	32.5	14	73	29.3		798.6	91.4	3107.57
	11/13/2014	9:53	11/13/2014 9:53		37	35	16	73	34.1		95.0	10.9	3118.45
	11/13/2014	11:07	11/13/2014 11:07		37	35	14	78	29.7		2360.9	270.1	3388.54
	11/13/2014	11:08	11/13/2014 11:08		38	36	17	78	36.4		33.1	3.8	3392.32
	11/13/2014	13:30	11/13/2014 13:30		35	33.5	16	77	33.3		4950.1	566.3	3958.61
	11/13/2014	15:31	11/13/2014 15:31		36	33	18	74	38.0		4311.2	493.2	4451.81
	11/13/2014	16:24	11/13/2014 16:24		36	33	18	72	38.0		2013.7	230.4	4682.17
	11/13/2014	17:18	11/13/2014 17:18		42	32	26	70	58.3		2599.9	297.4	4979.60
11/13/2014	17:20	11/13/2014 17:20			30					116.5	13.3	4992.93	
SW-82 Event 5	11/20/2014	7:30	11/20/2014 7:30		38	36	4	31	9.0				4992.93
	11/20/2014	7:44	11/20/2014 7:44		36	34	10	44	21.7		215.1	24.6	5017.54
	11/20/2014	8:56	11/20/2014 8:56		36	34	12	60	25.7		1706.0	195.2	5212.70
	11/20/2014	10:24	11/20/2014 10:24		35	33	14	62	29.6		2430.1	278.0	5490.70
	11/20/2014	11:51	11/20/2014 11:51		36	33	16	70	33.9		2759.8	315.7	5806.42
	11/20/2014	11:52	11/20/2014 11:52			26		70			33.9	3.9	5810.30
SW-82 Event 6	11/23/2014	12:30	11/23/2014 12:30		28	27	0	80	0.0				5810.30
	11/23/2014	12:33	11/23/2014 12:33		35	33	4	80	8.3		12.5	1.4	5811.72

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/23/2014	12:48	11/23/2014 12:48		34	31	9.5	78	19.6		208.9	23.9	5835.62
	11/23/2014	12:49	11/23/2014 12:49		38	35	14	78	30.0		24.8	2.8	5838.46
	11/23/2014	14:29	11/23/2014 14:29		38	33.5	14.5	72	31.2		3061.8	350.3	6188.72
	11/23/2014	14:30	11/23/2014 14:30		42	35	20	72	44.7		38.0	4.3	6193.07
	11/23/2014	15:35	11/23/2014 15:35		42	35	19	70	42.6		2837.5	324.6	6517.67
	11/23/2014	16:58	11/23/2014 16:58		42	34	21	70	47.1		3719.9	425.6	6943.23
	11/23/2014	16:59	11/23/2014 16:59			28					47.1	5.4	6948.61
SW-82 Event 7	12/4/2014	8:07	12/4/2014 8:07		29	29	0	60	0.0				6948.61
	12/4/2014	8:17	12/4/2014 8:17		37	37	11	60	23.8		118.8	13.6	6962.20
	12/4/2014	8:28	12/4/2014 8:28		38	37.5	10	62	21.8		250.3	28.6	6990.84
	12/4/2014	10:03	12/4/2014 10:03		38	37	12.5	74	26.9		2310.6	264.3	7255.17
	12/4/2014	12:30	12/4/2014 12:30		37	35	16	78	33.9		4470.7	511.4	7766.61
	12/4/2014	12:31	12/4/2014 12:31			29					33.9	3.9	7770.50
SW-82 Event 8	12/12/2014	7:31	12/12/2014 7:31		30	31	0	38	0.0				7770.50
	12/12/2014	7:59	12/12/2014 7:59		30	31	4	48	8.1		113.7	13.0	7783.50
	12/12/2014	8:00	12/12/2014 8:00		35	35	10	48	21.4		14.8	1.7	7785.19
	12/12/2014	9:44	12/12/2014 9:44		35	35	12	62	25.3		2432.1	278.2	8063.43
	12/12/2014	10:48	12/12/2014 10:48		35	34	14	66	29.5		1753.7	200.6	8264.05
	12/12/2014	11:27	12/12/2014 11:27		35	34	14	68	29.4		1147.6	131.3	8395.33
	12/12/2014	11:28	12/12/2014 11:28			28					29.4	3.4	8398.70
Total CO2 Mass (lbs):												8398.70	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-83 Event 1	10/24/2014	8:25	10/24/2014 8:25		22	22	0	56	0.0				
	10/24/2014	8:53	10/24/2014 8:53		22	21	0	58	0.0		0	0	0.00
	10/24/2014	8:54	10/24/2014 8:54		27	27	0	58	0.0		0	0	0.00
	10/24/2014	9:06	10/24/2014 9:06		27	27	4	62	7.7		46.4	5.3	5.31
	10/24/2014	9:07	10/24/2014 9:07		32	30	8	62	16.4		12.1	1.4	6.68
	10/24/2014	10:02	10/24/2014 10:02		31	29	12	72	24.1		1111.7	127.2	133.86
	10/24/2014	10:47	10/24/2014 10:47		30	28	14	78	27.6		1161.9	132.9	266.78
	10/24/2014	11:47	10/24/2014 11:47		30	28	14	78	27.6		1655.2	189.4	456.13
	10/24/2014	12:51	10/24/2014 12:51		30	27	16	80	31.5		1889.8	216.2	672.32
	10/24/2014	13:53	10/24/2014 13:53		30	27	16	80	31.5		1951.0	223.2	895.52
10/24/2014	13:54	10/24/2014 13:54		0	0					31.5	3.6	899.12	
SW-83 Event 2	10/31/2014	7:28	10/31/2014 7:28		23	23	0	60	0.0				899.12
	10/31/2014	7:36	10/31/2014 7:36		30	28	12	60	24.1		96.3	11.0	910.13
	10/31/2014	7:45	10/31/2014 7:45		30	27	15	62	30.0		243.4	27.8	937.97
	10/31/2014	8:16	10/31/2014 8:16		30	25	15	68	29.8		928.0	106.2	1044.13
	10/31/2014	10:16	10/31/2014 10:16		30	25	18	76	35.5		3923.0	448.8	1492.92
	10/31/2014	11:26	10/31/2014 11:26		30	25	17	80	33.4		2414.0	276.2	1769.08
	10/31/2014	11:37	10/31/2014 11:37		30	25	17	80	33.4		367.8	42.1	1811.16
	10/31/2014	11:38	10/31/2014 11:38		0	19					33.4	3.8	1814.98
SW-83 Event 3	11/4/2014	8:04	11/4/2014 8:04		25	25	0	57	0.0				1814.98
	11/4/2014	8:12	11/4/2014 8:12		30	28	9	57	18.1		72.4	8.3	1823.27
	11/4/2014	8:41	11/4/2014 8:41		29	26	13	66	25.6		634.0	72.5	1895.80
	11/4/2014	8:59	11/4/2014 8:59		28	26	14	69	27.2		475.3	54.4	1950.17
	11/4/2014	9:24	11/4/2014 9:24		28	25	14	70	27.2		679.4	77.7	2027.90
	11/4/2014	9:25	11/4/2014 9:25		33	28	18	70	36.9		32.1	3.7	2031.56
	11/4/2014	11:07	11/4/2014 11:07		32	25	22	76	44.4		4149.0	474.6	2506.20
	11/4/2014	12:27	11/4/2014 12:27		32	24	23	78	46.3		3629.9	415.3	2921.47
	11/4/2014	12:28	11/4/2014 12:28			19					46.3	5.3	2926.77
SW-83 Event 4	11/6/2014	12:58	11/6/2014 12:58		26	27	0	85	0.0				2926.77
	11/6/2014	12:59	11/6/2014 12:59		30	30	7	85	13.7		6.9	0.8	2927.55
	11/6/2014	15:11	11/6/2014 15:11		28	24	17	77	32.8		3066.6	350.8	3278.37
	11/6/2014	15:12	11/6/2014 15:12		36	27	26	77	54.7		43.7	5.0	3283.37
	11/6/2014	15:13	11/6/2014 15:13		40	29	29	77	63.4		59.0	6.8	3290.13
	11/6/2014	16:32	11/6/2014 16:32		38	26	30	27	67.7		5177.8	592.3	3882.46
	11/6/2014	17:01	11/6/2014 17:01		38	26	30	76	64.4		1915.5	219.1	4101.59
	11/6/2014	17:02	11/6/2014 17:02			19					64.4	7.4	4108.96
SW-83 Event 5	11/10/2014	12:36	11/10/2014 12:36		30	30	4	73	7.9				4108.96
	11/10/2014	15:16	11/10/2014 15:16		27	24	14	70	26.8		2780.8	318.1	4427.07
	11/10/2014	15:18	11/10/2014 15:18		35	27	23	70	48.2		75.0	8.6	4435.66
	11/10/2014	15:19	11/10/2014 15:19		38	29	27	70	58.3		53.2	6.1	4441.75
	11/10/2014	17:21	11/10/2014 17:21		40	27	32	68	70.5		7859.4	899.1	5340.86
	11/10/2014	17:22	11/10/2014 17:22			21					70.5	8.1	5348.93
SW-83 Event 6	11/13/2014	8:16	11/13/2014 8:16		24	24	0	66	0.0				5348.93
	11/13/2014	8:18	11/13/2014 8:18		36	31.5	18	66	38.3		38.3	4.4	5353.31
	11/13/2014	8:51	11/13/2014 8:51		35	26.5	24	71	50.2		1460.3	167.1	5520.37
	11/13/2014	8:53	11/13/2014 8:53		40	29	29	71	63.7		114.0	13.0	5533.41
	11/13/2014	11:30	11/13/2014 11:30		37	24.5	32	76	68.0		10343.5	1183.3	6716.71
	11/13/2014	11:32	11/13/2014 11:32		36	23.5	30	76	63.1		131.2	15.0	6731.71
	11/13/2014	13:49	11/13/2014 13:49		34	23	28	78	57.6		8272.3	946.3	7678.06
	11/13/2014	14:20	11/13/2014 14:20			18.5					1786.4	204.4	7882.42
SW-83 Event 7	12/9/2014	12:40	12/9/2014 12:40		27	27	4	70	7.7				7882.42

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/9/2014	12:44	12/9/2014 12:44		34	30.5	18	7	39.9		95.1	10.9	7893.30
	12/9/2014	15:04	12/9/2014 15:04		34	26	26	66	54.1		6582.0	753.0	8646.29
	12/9/2014	15:05	12/9/2014 15:05		37	26.5	30	66	64.4		59.3	6.8	8653.07
	12/9/2014	17:15	12/9/2014 17:15		37	26	30	62	64.7		8388.2	959.6	9612.68
	12/9/2014	17:16	12/9/2014 17:16			20					64.7	7.4	9620.07
Total CO2 Mass (lbs):												9620.07	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-84 Event 1	10/23/2014	8:20	10/23/2014 8:20		22	24	0	56	0.0				
	10/23/2014	8:30	10/23/2014 8:30		26	28	0	56	0.0		0.0	0.0	0.00
	10/23/2014	8:40	10/23/2014 8:40		27	27	6	60	11.6		58.1	6.6	6.64
	10/23/2014	8:41	10/23/2014 8:41		32	31	11	60	22.6		17.1	2.0	8.60
	10/23/2014	9:00	10/23/2014 9:00		32	30	13	66	26.5		466.0	53.3	61.91
	10/23/2014	9:58	10/23/2014 9:58		32	29	16	72	32.4		1708.8	195.5	257.39
	10/23/2014	10:04	10/23/2014 10:04		32	28	17	76	34.3		200.2	22.9	280.30
	10/23/2014	10:55	10/23/2014 10:55		36	31	22	78	46.2		2053.5	234.9	515.22
	10/23/2014	12:05	10/23/2014 12:05		36	30	22	80	46.1		3231.7	369.7	884.92
	10/23/2014	13:40	10/23/2014 13:40		35	30	23	80	47.7		4458.2	510.0	1394.94
	10/23/2014	14:42	10/23/2014 14:42		36	29	24	80	50.3		3039.5	347.7	1742.66
	10/23/2014	16:15	10/23/2014 16:15		36	29	25	80	52.4		4776.8	546.5	2289.13
	10/23/2014	16:32	10/23/2014 16:32		36	29	25	80	52.4		891.0	101.9	2391.06
	10/23/2014	16:35	10/23/2014 16:35								157.2	18.0	2409.05
SW-84 Event 2	11/5/2014	12:53	11/5/2014 12:53		26	27.5	0	84	0.0				2409.05
	11/5/2014	12:55	11/5/2014 12:55		31	32	4	84	7.9		7.9	0.9	2409.95
	11/5/2014	15:16	11/5/2014 15:16		29.5	27	16	77	31.4		2771.0	317.0	2726.95
	11/5/2014	15:18	11/5/2014 15:18		38	31	23.5	77	50.4		81.8	9.4	2736.30
	11/5/2014	16:35	11/5/2014 16:35		38	30.5	25	75	53.7		4007.9	458.5	3194.81
	11/5/2014	16:36	11/5/2014 16:36		42	32.5	28	75	62.4		58.1	6.6	3201.46
	11/5/2014	17:21	11/5/2014 17:21		42	31	29	72	64.9		2864.1	327.7	3529.11
	11/5/2014	17:22	11/5/2014 17:22			23					64.9	7.4	3536.53
SW-84 Event 3	11/12/2014	7:31	11/12/2014 7:31		28	30	8	55	15.8				3536.53
	11/12/2014	7:32	11/12/2014 7:32		34	32	16	56	33.7		24.7	2.8	3539.36
	11/12/2014	8:05	11/12/2014 8:05		33	28	22	68	45.2		1301.7	148.9	3688.28
	11/12/2014	8:10	11/12/2014 8:10		39	31	26	68	56.8		255.1	29.2	3717.46
	11/12/2014	9:07	11/12/2014 9:07		38	28	28	70	60.5		3341.3	382.2	4099.70
	11/12/2014	11:09	11/12/2014 11:09		34	27	24	77	49.4		6703.5	766.9	4866.57
	11/12/2014	12:29	11/12/2014 12:29		34	27	24	80	49.3		3949.6	451.8	5318.40
	11/12/2014	12:49	11/12/2014 12:49		37	28	27	80	57.2		1064.7	121.8	5440.20
	11/12/2014	12:50	11/12/2014 12:50			19					57.2	6.5	5446.74
	SW-84 Event 4	11/19/2014	7:32	11/19/2014 7:32		36	35	10	32	22.0			
11/19/2014		7:43	11/19/2014 7:43		34	34	14	42	29.9		285.3	32.6	5479.38
11/19/2014		9:00	11/19/2014 9:00		34	31	20	52	42.2		2776.0	317.6	5796.96
11/19/2014		10:31	11/19/2014 10:31		34	29	22	60	46.1		4018.5	459.7	6256.68
11/19/2014		12:01	11/19/2014 12:01		34	29	22	62	46.0		4143.5	474.0	6730.69
11/19/2014		12:02	11/19/2014 12:02			20		62			46.0	5.3	6735.95
SW-84 Event 5	11/24/2014	7:50	11/24/2014 7:50		25	25	0	74	0.0				6735.95
	11/24/2014	7:54	11/24/2014 7:54		32	32	4	74	8.1		16.2	1.9	6737.81
	11/24/2014	8:16	11/24/2014 8:16		32	30.5	7	74	14.2		244.7	28.0	6765.80
	11/24/2014	8:18	11/24/2014 8:18		36	33.5	12	74	25.3		39.5	4.5	6770.32
	11/24/2014	9:57	11/24/2014 9:57		34	29	19	77	39.1		3190.0	364.9	7135.26
	11/24/2014	9:59	11/24/2014 9:59		40	31	25	77	54.6		93.8	10.7	7145.98
	11/24/2014	11:27	11/24/2014 11:27		40	30.5	26.5	77	57.9		4951.8	566.5	7712.47
	11/24/2014	11:44	11/24/2014 11:44		40	30.5	27	77	59.0		993.8	113.7	7826.16
	11/24/2014	11:45	11/24/2014 11:45			21					59.0	6.7	7832.91
	SW-84 Event 6	12/11/2014	12:33	12/11/2014 12:33									
12/11/2014		12:56	12/11/2014 12:56		30	30	0	66	0.0		0.0	0.0	7832.91
12/11/2014		12:57	12/11/2014 12:57		33	33	4	66	8.2		4.1	0.5	7833.38
12/11/2014		14:23	12/11/2014 14:23		32	30	14	69	28.5		1577.9	180.5	8013.89
12/11/2014		14:24	12/11/2014 14:24		36	33	19	69	40.3		34.4	3.9	8017.82

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/11/2014	15:27	12/11/2014 15:27		36	32.5	20	68	42.4		2604.6	298.0	8315.78
	12/11/2014	17:06	12/11/2014 17:06		36	30	23	60	49.2		4534.1	518.7	8834.48
	12/11/2014	17:07	12/11/2014 17:07			23					49.2	5.6	8840.11
Total CO2 Mass (lbs):												8840.11	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-85 Event 1	10/22/2014	8:30	10/22/2014 8:30		22	23	0	60	0.0				
	10/22/2014	8:45	10/22/2014 8:45		26	28	0	62	0.0		0.0	0.0	0.00
	10/22/2014	9:12	10/22/2014 9:12		26	28	2	66	3.8		51.3	5.9	5.87
	10/22/2014	9:14	10/22/2014 9:14		31	31	6	66	12.1		15.9	1.8	7.69
	10/22/2014	10:09	10/22/2014 10:09		30	31	6	72	11.9		659.7	75.5	83.16
	10/22/2014	10:14	10/22/2014 10:14		33	33	10	72	20.5		80.9	9.3	92.42
	10/22/2014	11:40	10/22/2014 11:40		33	33	10	78	20.4		1756.5	200.9	293.36
	10/22/2014	13:48	10/22/2014 13:48		33	33	10	82	20.3		2601.7	297.6	591.00
	10/22/2014	15:20	10/22/2014 15:20		33	33	10	82	20.3		1866.4	213.5	804.51
	10/22/2014	16:20	10/22/2014 16:20		33	33	11	82	22.3		1278.1	146.2	950.73
	10/22/2014	17:37	10/22/2014 17:37		33	33	11	78	22.4		1721.6	197.0	1147.68
	10/22/2014	17:38	10/22/2014 17:38							22.4	2.6	1150.24	
SW-85 Event 2	10/30/2014	11:50	10/30/2014 11:50		24	24	0	84	0.0				1150.24
	10/30/2014	11:55	10/30/2014 11:55		33	33	0	84	0.0		0.0	0.0	1150.24
	10/30/2014	11:59	10/30/2014 11:59		33	33	3	84	6.1		12.1	1.4	1151.63
	10/30/2014	12:03	10/30/2014 12:03		33	33	4	86	8.1		28.3	3.2	1154.87
	10/30/2014	13:13	10/30/2014 13:13		32	32	5	86	10.0		632.8	72.4	1227.27
	10/30/2014	13:14	10/30/2014 13:14		34	33	8	86	16.3		13.2	1.5	1228.77
	10/30/2014	14:21	10/30/2014 14:21		34	33	7	86	14.3		1026.3	117.4	1346.18
	10/30/2014	15:48	10/30/2014 15:48		34	33	8	80	16.4		1336.7	152.9	1499.10
	10/30/2014	16:47	10/30/2014 16:47		34	33	8	76	16.5		971.4	111.1	1610.23
	10/30/2014	16:48	10/30/2014 16:48			29					16.5	1.9	1612.12
SW-85 Event 3	11/3/2014	12:17	11/3/2014 12:17		22	22	0	78	0.0				1612.12
	11/3/2014	12:20	11/3/2014 12:20		33	32	5	78	10.2		15.3	1.7	1613.86
	11/3/2014	12:36	11/3/2014 12:36		34	32.5	5	78	10.3		163.8	18.7	1632.60
	11/3/2014	13:02	11/3/2014 13:02		34	33	5	76	10.3		267.8	30.6	1663.24
	11/3/2014	14:12	11/3/2014 14:12		33	34	5	78	10.2		717.2	82.1	1745.29
	11/3/2014	15:19	11/3/2014 15:19		34	33.5	6	78	12.3		754.8	86.3	1831.64
	11/3/2014	16:20	11/3/2014 16:20		34	32.5	7	72	14.5		818.6	93.6	1925.28
	11/3/2014	16:46	11/3/2014 16:46		34	32.5	7	70	14.5		377.1	43.1	1968.42
	11/3/2014	16:47	11/3/2014 16:47			28					14.5	1.7	1970.08
SW-85 Event 4	11/6/2014	8:18	11/6/2014 8:18		26	28	0	68	0.0				1970.08
	11/6/2014	8:24	11/6/2014 8:24		31	32	5	68	10.1		30.2	3.5	1973.54
	11/6/2014	8:45	11/6/2014 8:45		31	31.5	5.5	70	11.0		221.6	25.4	1998.89
	11/6/2014	8:46	11/6/2014 8:46		33	33	7	70	14.4		12.7	1.5	2000.34
	11/6/2014	9:53	11/6/2014 9:53		33	33	5.5	79	11.2		856.1	97.9	2098.29
	11/6/2014	9:54	11/6/2014 9:54		34	34.5	7	79	14.4		12.8	1.5	2099.75
	11/6/2014	11:11	11/6/2014 11:11		34	34.25	7.5	82	15.4		1146.1	131.1	2230.86
	11/6/2014	12:47	11/6/2014 12:47		34	34	8	85	16.4		1523.1	174.2	2405.10
	11/6/2014	15:05	11/6/2014 15:05		34	33.5	10	77	20.6		2549.9	291.7	2696.81
	11/6/2014	15:08	11/6/2014 15:08		35	34.5	12	77	25.0		68.4	7.8	2704.63
	11/6/2014	16:31	11/6/2014 16:31		35	34	12	77	25.0		2073.1	237.2	2941.79
	11/6/2014	16:57	11/6/2014 16:57		35	34	12	76	25.0		649.7	74.3	3016.11
	11/6/2014	16:58	11/6/2014 16:58			29					25.0	2.9	3018.97
SW-85 Event 5	11/10/2014	7:54	11/10/2014 7:54		24	24	0	58	0.0				3018.97
	11/10/2014	7:57	11/10/2014 7:57		34	34	7	60	14.7		22.0	2.5	3021.49
	11/10/2014	8:32	11/10/2014 8:32		34	34	7	66	14.6		511.7	58.5	3080.03
	11/10/2014	8:51	11/10/2014 8:51		34	34	7	66	14.6		276.9	31.7	3111.71
	11/10/2014	10:15	11/10/2014 10:15		34	34	7	67	14.6		1223.8	140.0	3251.71
	11/10/2014	11:46	11/10/2014 11:46		34	34	8	72	16.6		1416.1	162.0	3413.71
	11/10/2014	15:13	11/10/2014 15:13		34	32.5	10	70	20.7		3860.7	441.7	3855.37

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/10/2014	15:15	11/10/2014 15:15		36	34	14	70	29.6		50.4	5.8	3861.14
	11/10/2014	17:19	11/10/2014 17:19		36	34	14	68	29.7		3678.7	420.8	4281.97
	11/10/2014	17:20	11/10/2014 17:20			28.5					29.7	3.4	4285.37
SW-85 Event 6	11/18/2014	7:46	11/18/2014 7:46		36	35	0	40	0.0				4285.37
	11/18/2014	8:09	11/18/2014 8:09		33	33	5	52	10.4		120.1	13.7	4299.12
	11/18/2014	9:28	11/18/2014 9:28		33	33	4	58	8.3		740.8	84.8	4383.87
	11/18/2014	9:29	11/18/2014 9:29		35	34	8	58	17.0		12.6	1.4	4385.31
	11/18/2014	10:41	11/18/2014 10:41		35	34	8	60	16.9		1220.3	139.6	4524.92
	11/18/2014	12:07	11/18/2014 12:07		35	34	8	66	16.8		1451.8	166.1	4691.01
	11/18/2014	14:03	11/18/2014 14:03		34.5	34	10	66	20.9		2190.2	250.6	4941.57
	11/18/2014	15:31	11/18/2014 15:31		34	34	11	65	22.9		1929.8	220.8	5162.34
	11/18/2014	16:51	11/18/2014 16:51		35	34	12	60	25.4		1933.0	221.1	5383.48
	11/18/2014	16:52	11/18/2014 16:52			29					25.4	2.9	5386.38
SW-85 Event 7	11/21/2014	7:40	11/21/2014 7:40		24	24	0	42	0.0				5386.38
	11/21/2014	7:59	11/21/2014 7:59		35	32	13	50	27.8		264.1	30.2	5416.59
	11/21/2014	10:10	11/21/2014 10:10		35	33	10.5	69	22.0		3263.2	373.3	5789.91
	11/21/2014	10:12	11/21/2014 10:12		36	34	12	69	25.4		47.5	5.4	5795.34
	11/21/2014	11:57	11/21/2014 11:57		36	34	12	74	25.3		2663.5	304.7	6100.04
	11/21/2014	13:22	11/21/2014 13:22		40	35	16	77	35.0		2561.4	293.0	6393.06
	11/21/2014	15:24	11/21/2014 15:24		39	35	17	73	36.9		4386.6	501.8	6894.89
	11/21/2014	16:40	11/21/2014 16:40		39	34.5	18	68	39.3		2897.9	331.5	7226.40
	11/21/2014	17:00	11/21/2014 17:00		39	34.5	18	64	39.5		787.8	90.1	7316.53
	11/21/2014	17:01	11/21/2014 17:01			28					39.5	4.5	7321.05
SW-85 Event 8	12/4/2014	12:40	12/4/2014 12:40		32	32	0	78	0.0				7321.05
	12/4/2014	13:01	12/4/2014 13:01		36	35	10	80	21.0		220.1	25.2	7346.23
	12/4/2014	14:57	12/4/2014 14:57		36	34.5	10	76	21.0		2436.6	278.7	7624.98
	12/4/2014	16:20	12/4/2014 16:20		35	34	10	72	20.9		1741.4	199.2	7824.19
	12/4/2014	16:53	12/4/2014 16:53		35	33.5	11	69	23.1		725.8	83.0	7907.23
	12/4/2014	16:54	12/4/2014 16:54			28.5					23.1	2.6	7909.87
SW-85 Event 9	12/8/2014	12:45	12/8/2014 12:45		30	30	0	60	0.0				7909.87
	12/8/2014	12:50	12/8/2014 12:50		37	35	11	60	23.8		59.4	6.8	7916.66
	12/8/2014	14:02	12/8/2014 14:02		37	34	10	63	21.5		1630.2	186.5	8103.16
	12/8/2014	17:02	12/8/2014 17:02		37	33.5	11	6	25.2		4202.4	480.8	8583.92
	12/8/2014	17:03	12/8/2014 17:03			30					25.2	2.9	8586.79
SW-85 Event 10	12/10/2014	12:38	12/10/2014 12:38		30	31	0	69	0.0				8586.79
	12/10/2014	12:52	12/10/2014 12:52		30	29.5	4.5	69	8.9		62.6	7.2	8593.96
	12/10/2014	12:53	12/10/2014 12:53		36	35	11	69	23.3		16.1	1.8	8595.80
	12/10/2014	13:58	12/10/2014 13:58		36	36	10	69	21.2		1446.2	165.5	8761.25
	12/10/2014	16:04	12/10/2014 16:04		36	36	9	67	19.1		2538.9	290.4	9051.70
	12/10/2014	16:54	12/10/2014 16:54		36	36	10	62	21.3		1011.2	115.7	9167.38
	12/10/2014	16:55	12/10/2014 16:55			31					21.3	2.4	9169.82
SW-85 Event 11	12/11/2014	12:33	12/11/2014 12:33										9169.82
	12/11/2014	12:55	12/11/2014 12:55		30	30	6	66	12.0				9169.82
	12/11/2014	12:57	12/11/2014 12:57		36	33.5	10	66	21.3		33.2	3.8	9173.62
	12/11/2014	14:20	12/11/2014 14:20		37	33	12	69	25.7		1947.8	222.8	9396.45
	12/11/2014	15:26	12/11/2014 15:26		37	33	12	68	25.7		1695.9	194.0	9590.45
	12/11/2014	17:07	12/11/2014 17:07		36	33	12.5	60	26.7		2647.9	302.9	9893.37
	12/11/2014	17:08	12/11/2014 17:08			28					26.7	3.1	9896.43
SW-85 Event 12	12/12/2014	7:30	12/12/2014 7:30		30	27	12	38	24.6				9896.43
	12/12/2014	7:57	12/12/2014 7:57		30	27	14	48	28.4		715.9	81.9	9978.33
	12/12/2014	7:58	12/12/2014 7:58		38	33	22	48	48.6		38.5	4.4	9982.73

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/12/2014	9:45	12/12/2014 9:45		39	34	18	62	39.5		4714.0	539.3	10522.01
	12/12/2014	10:49	12/12/2014 10:49		39	34	18	66	39.4		2526.1	289.0	10811.00
	12/12/2014	11:26	12/12/2014 11:26		39	34	18	68	39.3		1456.0	166.6	10977.57
	12/12/2014	11:27	12/12/2014 11:27			27					39.3	4.5	10982.06
SW-85 Event 13	12/15/2014	7:59	12/15/2014 7:59		29	29	<2	42	0.0				10982.06
	12/15/2014	8:18	12/15/2014 8:18		29	27.5	4	50	8.0		76.1	8.7	10990.77
	12/15/2014	8:19	12/15/2014 8:19		38	35	14	50	30.8		19.4	2.2	10992.99
	12/15/2014	9:16	12/15/2014 9:16		38	35	14	61	30.5		1748.1	200.0	11192.98
	12/15/2014	10:57	12/15/2014 10:57		38	35	13	69	28.1		2958.9	338.5	11531.48
	12/15/2014	12:22	12/15/2014 12:22		38	35	13	71	28.0		2385.7	272.9	11804.40
	12/15/2014	12:23	12/15/2014 12:23			28.5					28.0	3.2	11807.61
SW-85 Event 14	12/16/2014	13:30	12/16/2014 13:30		28	27	9	87	17.2				11807.61
	12/16/2014	13:54	12/16/2014 13:54		28	27	9.5	84	18.2		424.4	48.6	11856.16
	12/16/2014	13:55	12/16/2014 13:55		34	31.5	16	84	32.7		25.5	2.9	11859.07
	12/16/2014	15:11	12/16/2014 15:11		35	32	14	74	29.2		2354.6	269.4	12128.45
	12/16/2014	16:24	12/16/2014 16:24		35	32	14	73	29.3		2134.4	244.2	12372.62
	12/16/2014	17:05	12/16/2014 17:05		35	32	13	70	27.2		1158.2	132.5	12505.12
	12/16/2014	17:07	12/16/2014 17:07			28					54.5	6.2	12511.35
Total CO2 Mass (lbs):												12511.35	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-86 Event 1	10/24/2014	8:49	10/24/2014 8:49		21	20	0	60	0.0				0.00
	10/24/2014	9:02	10/24/2014 9:02		21	20	0	61	0.0		0	0	0.00
	10/24/2014	9:03	10/24/2014 9:03		26	26	0	61	0.0		0	0	0.00
	10/24/2014	9:48	10/24/2014 9:48		26	26	0	69	0.0		0	0	0.00
	10/24/2014	9:49	10/24/2014 9:49		32	32	0	69	0.0		0	0	0.00
	10/24/2014	10:22	10/24/2014 10:22		32	32	0	74	0.0		0	0	0.00
	10/24/2014	10:23	10/24/2014 10:23		34	33.5	0	74	0.0		0	0	0.00
	10/24/2014	10:52	10/24/2014 10:52		34	32.5	3	78	6.2		89.52	10.24	10.24
	10/24/2014	11:41	10/24/2014 11:41		34	32.5	4	83	8.2		351.99	40.27	50.51
	10/24/2014	12:04	10/24/2014 12:04		34	33	5	80	10.3		212.33	24.29	74.80
	10/24/2014	12:43	10/24/2014 12:43		34	33	5	83	10.2		399.97	45.76	120.56
	10/24/2014	12:44	10/24/2014 12:44		35	33.5	6	83	12.4		11.33	1.30	121.85
	10/24/2014	12:53	10/24/2014 12:53		34	33	6.5	86	13.3		115.61	13.23	135.08
SW-86 Event 2	10/29/2014	8:10	10/29/2014 8:10		31	31	0	68	0.0				135.08
	10/29/2014	8:57	10/29/2014 8:57		31	31	<2	72	0.0		0.00	0.00	135.08
	10/29/2014	8:58	10/29/2014 8:58		33	32	5	72	10.2		5.12	0.59	135.66
	10/29/2014	10:16	10/29/2014 10:16		33	32	6	80	12.2		875.06	100.11	235.77
	10/29/2014	11:25	10/29/2014 11:25		33	32	6	88	12.1		838.30	95.90	331.67
	10/29/2014	12:05	10/29/2014 12:05		33	32	7	90	14.1		523.93	59.94	391.61
	10/29/2014	13:12	10/29/2014 13:12		33	32	8	92	16.1		1010.71	115.63	507.24
	10/29/2014	14:10	10/29/2014 14:10		32	32	8	92	15.9		927.48	106.10	613.34
	10/29/2014	15:11	10/29/2014 15:11		32	32	8	92	15.9		970.22	110.99	724.33
	10/29/2014	16:39	10/29/2014 16:39		32	32	8	88	16.0		1402.29	160.42	884.75
	10/29/2014	16:40	10/29/2014 16:40			24					15.97	1.83	886.58
SW-86 Event 3	11/6/2014	8:02	11/6/2014 8:02		25	25	0	67	0.0				886.58
	11/6/2014	8:08	11/6/2014 8:08		29	30.5	0	68	0.0		0.00	0.00	886.58
	11/6/2014	8:30	11/6/2014 8:30		30	30	0	70	0.0		0.00	0.00	886.58
	11/6/2014	8:31	11/6/2014 8:31		31	31.5	<2	70	0.0		0.00	0.00	886.58
	11/6/2014	8:54	11/6/2014 8:54		31	31.5	3	70	6.0		69.28	7.93	894.51
	11/6/2014	10:01	11/6/2014 10:01		30	31	4	84	7.8		464.37	53.12	947.63
	11/6/2014	10:02	11/6/2014 10:02		32	32.5	6	84	12.0		9.93	1.14	948.77
	11/6/2014	12:45	11/6/2014 12:45		32	31	8	90	15.9		2278.27	260.63	1209.40
	11/6/2014	13:38	11/6/2014 13:38		34	33	12	90	24.4		1069.30	122.33	1331.73
	11/6/2014	15:00	11/6/2014 15:00		34	32.5	14	84	28.6		2175.60	248.89	1580.62
	11/6/2014	16:27	11/6/2014 16:27		34	32	15.5	82	31.8		2628.48	300.70	1881.32
	11/6/2014	16:28	11/6/2014 16:28		35	32.5	18	82	37.3		34.53	3.95	1885.27
	11/6/2014	16:49	11/6/2014 16:49		35	32.5	18	82	37.3		782.99	89.57	1974.84
	11/6/2014	16:50	11/6/2014 16:50			19					37.29	4.27	1979.11
SW-86 Event 4	11/10/2014	7:50	11/10/2014 7:50		29	31	0	64	0.0				1979.11
	11/10/2014	8:12	11/10/2014 8:12		29	30	0	68	0.0		0.00	0.00	1979.11
	11/10/2014	8:13	11/10/2014 8:13		32	32	4	68	8.1		4.07	0.47	1979.57
	11/10/2014	8:37	11/10/2014 8:37		32	32	5	68	10.2		219.71	25.14	2004.71
	11/10/2014	8:52	11/10/2014 8:52		32	32	5.5	68	11.2		160.21	18.33	2023.03
	11/10/2014	10:02	11/10/2014 10:02		32	32	8	67	16.3		961.81	110.03	2133.07
	11/10/2014	11:37	11/10/2014 11:37		32	31	10	72	20.3		1736.40	198.64	2331.71
	11/10/2014	11:39	11/10/2014 11:39		34	32.5	13	72	26.9		47.18	5.40	2337.11
	11/10/2014	15:00	11/10/2014 15:00		34	31	15.5	72	32.1		5929.15	678.30	3015.40
	11/10/2014	15:01	11/10/2014 15:01		36	33	20	72	42.3		37.17	4.25	3019.65
	11/10/2014	17:15	11/10/2014 17:15		36	33	20	67	42.5		5676.28	649.37	3669.02
11/10/2014	17:16	11/10/2014 17:16			22					42.46	4.86	3673.88	
SW-86 Event 5	11/20/2014	7:24	11/20/2014 7:24		25	25	0	34	0.0				3673.88

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/20/2014	7:46	11/20/2014 7:46		34	32	5	42	10.7		117.35	13.42	3687.30
	11/20/2014	9:04	11/20/2014 9:04		34	31	5	60	10.5		824.53	94.33	3781.63
	11/20/2014	10:31	11/20/2014 10:31		32	32	8	62	16.4		1167.79	133.59	3915.22
	11/20/2014	12:07	11/20/2014 12:07		32	32	10	74	20.2		1756.66	200.96	4116.19
	11/20/2014	13:58	11/20/2014 13:58		32	31	22	76	44.4		3587.22	410.38	4526.56
	11/20/2014	15:55	11/20/2014 15:55		32	31	22	73	44.5		5203.46	595.28	5121.84
	11/20/2014	16:54	11/20/2014 16:54		32	25	24	70	48.7		2751.42	314.76	5436.60
	11/20/2014	16:57	11/20/2014 16:57			24					146.19	16.72	5453.33
SW-86 Event 6	11/24/2014	12:07	11/24/2014 12:07		26	26	0	84	0.0				5453.33
	11/24/2014	12:17	11/24/2014 12:17		35	33	5	84	10.3		51.69	5.91	5459.24
	11/24/2014	14:15	11/24/2014 14:15		34	32	8.5	84	17.4		1636.09	187.17	5646.41
	11/24/2014	14:16	11/24/2014 14:16		36	33	12	84	25.1		21.23	2.43	5648.84
	11/24/2014	15:42	11/24/2014 15:42		36	33.5	12	82	25.1		2157.35	246.80	5895.64
	11/24/2014	17:00	11/24/2014 17:00		37	33	14	78	29.7		2137.59	244.54	6140.18
	11/24/2014	17:01	11/24/2014 17:01			29					29.70	3.40	6143.58
SW-86 Event 7	12/3/2014	7:44	12/3/2014 7:44		28	28	0	60	0.0				6143.58
	12/3/2014	7:57	12/3/2014 7:57		35	35	8	62	16.9		109.84	12.57	6156.14
	12/3/2014	8:15	12/3/2014 8:15		36	35	7	62	14.9		286.51	32.78	6188.92
	12/3/2014	9:08	12/3/2014 9:08		35	34.5	10	66	21.0		953.35	109.06	6297.98
	12/3/2014	10:37	12/3/2014 10:37		35	32.5	14	70	29.3		2241.82	256.46	6554.45
	12/3/2014	10:38	12/3/2014 10:38		38	34.5	18	70	38.9		34.10	3.90	6558.35
	12/3/2014	12:00	12/3/2014 12:00		38	34.5	18	78	38.6		3174.30	363.14	6921.49
	12/3/2014	12:01	12/3/2014 12:01			26					38.56	4.41	6925.90
SW-86 Event 8	12/15/2014	12:32	12/15/2014 12:32		28	28	0	78	0.0				6925.90
	12/15/2014	12:36	12/15/2014 12:36		36	34	4	78	8.4		16.80	1.92	6927.82
	12/15/2014	14:08	12/15/2014 14:08		36	33.5	8	78	16.8		1159.49	132.65	7060.47
	12/15/2014	15:45	12/15/2014 15:45		35	33	10.5	78	21.8		1873.93	214.38	7274.84
	12/15/2014	17:13	12/15/2014 17:13		35	32.5	12	67	25.2		2070.44	236.86	7511.70
	12/15/2014	17:14	12/15/2014 17:14			24					25.22	2.89	7514.59
SW-86 Event 9	1/12/2015	12:17	1/12/2015 12:17		30	30	0	68	0.0				7514.59
	1/12/2015	12:32	1/12/2015 12:32		34	34.5	6	70	12.4		93.33	10.68	7525.27
	1/12/2015	17:12	1/12/2015 17:12		34	31	14	66	29.2		5823.53	666.21	8191.48
	1/12/2015	17:13	1/12/2015 17:13			22					29.15	3.33	8194.81
SW-86 Event 10	2/2/2015	7:50	2/2/2015 7:50		27	28	0	65	0.0				8194.81
	2/2/2015	8:25	2/2/2015 8:25		27	26	<2	66	0.0		0.00	0.00	8194.81
	2/2/2015	8:26	2/2/2015 8:26		34	34.5	8	66	16.7		8.33	0.95	8195.77
	2/2/2015	9:48	2/2/2015 9:48		34	33	10	66	20.8		1536.73	175.80	8371.57
	2/2/2015	11:06	2/2/2015 11:06		34	31	14	68	29.1		1946.78	222.71	8594.28
	2/2/2015	11:07	2/2/2015 11:07		36	33	17	68	36.1		32.58	3.73	8598.01
	2/2/2015	13:12	2/2/2015 13:12		36	31	18	72	38.0		4630.61	529.74	9127.75
	2/2/2015	13:13	2/2/2015 13:13		40	33.5	22	72	48.3		43.17	4.94	9132.69
	2/2/2015	15:27	2/2/2015 15:27		40	33	24	69	52.9		6778.46	775.46	9908.14
	2/2/2015	16:57	2/2/2015 16:57		40	32	26	66	57.4		4963.26	567.80	10475.94
	2/2/2015	16:58	2/2/2015 16:58			23					57.44	6.57	10482.51
SW-86 Event 11	2/4/2015	7:46	2/4/2015 7:46		26	26	3	54	5.8				10482.51
	2/4/2015	8:23	2/4/2015 8:23		26	25.5	5	54	9.6		284.72	32.57	10515.08
	2/4/2015	8:24	2/4/2015 8:24		34	32	13	54	27.4		18.51	2.12	10517.20
	2/4/2015	9:16	2/4/2015 9:16		34	31	16	55	33.7		1588.13	181.68	10698.88
	2/4/2015	9:18	2/4/2015 9:18		38	33.5	18	55	39.4		73.13	8.37	10707.25
	2/4/2015	12:06	2/4/2015 12:06		37	31.5	20	62	43.1		6934.34	793.29	11500.54
	2/4/2015	12:07	2/4/2015 12:07		40	33	24	62	53.2		48.17	5.51	11506.05

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/4/2015	13:33	2/4/2015 13:33		40	33	24	63	53.2		4575.43	523.43	12029.48
	2/4/2015	15:07	2/4/2015 15:07		40	33	24	62	53.2		5001.06	572.12	12601.60
	2/4/2015	15:59	2/4/2015 15:59		40	32	26	58	57.9		2889.32	330.54	12932.13
	2/4/2015	16:51	2/4/2015 16:51		40	31	27	58	60.1		3068.60	351.05	13283.18
	2/4/2015	16:52	2/4/2015 16:52			22					60.13	6.88	13290.06
											Total CO2 Mass (lbs):		13290.06

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-87 Event 1	10/28/2014	8:45	10/28/2014 8:45		20	20	0	62	0.0				
	10/28/2014	9:00	10/28/2014 9:00		25	28	0	72	0.0		0	0	0.00
	10/28/2014	9:15	10/28/2014 9:15		33	34	0	80	0.0		0	0	0.00
	10/28/2014	10:20	10/28/2014 10:20		33	30	0	90	0.0		0	0	0.00
	10/28/2014	11:20	10/28/2014 11:20		35	23	4	90	8.2		246.69	28.22	28.22
	10/28/2014	13:05	10/28/2014 13:05		36	25	8	88	16.6		1305.53	149.35	177.57
	10/28/2014	14:11	10/28/2014 14:11		38	25	8	88	17.0		1109.41	126.92	304.49
	10/28/2014	15:30	10/28/2014 15:30		38	25	8	85	17.0		1342.88	153.63	458.12
	10/28/2014	16:35	10/28/2014 16:35		38	25	8	85	17.0		1106.48	126.58	584.70
	10/28/2014	16:36	10/28/2014 16:36								17.02	1.95	586.65
SW-87 Event 2	11/3/2014	12:46	11/3/2014 12:46		22	23	0	78	0.0				586.65
	11/3/2014	12:48	11/3/2014 12:48		33	33	0	78	0.0		0.00	0.00	586.65
	11/3/2014	13:11	11/3/2014 13:11		33	33	0	80	0.0		0.00	0.00	586.65
	11/3/2014	14:26	11/3/2014 14:26		32	32	0	80	0.0		0.00	0.00	586.65
	11/3/2014	14:27	11/3/2014 14:27		37	33	5	80	10.6		5.29	0.61	587.25
	11/3/2014	15:31	11/3/2014 15:31		36	35	5	80	10.5		674.22	77.13	664.38
	11/3/2014	16:30	11/3/2014 16:30		36	35	5	77	10.5		619.36	70.85	735.24
	11/3/2014	16:56	11/3/2014 16:56		38	35	5	77	10.7		276.04	31.58	766.81
	11/3/2014	16:57	11/3/2014 16:57			35					10.72	1.23	768.04
	SW-87 Event 3	11/11/2014	8:25	11/11/2014 8:25		33	31	0	72	0.0			
11/11/2014		8:27	11/11/2014 8:27		34	35	0	72	0.0		0.00	0.00	768.04
11/11/2014		9:45	11/11/2014 9:45		33	34	3	80	6.1		237.81	27.21	795.25
11/11/2014		9:47	11/11/2014 9:47		36	36.5	5	80	10.5		16.58	1.90	797.14
11/11/2014		11:12	11/11/2014 11:12		36	36.5	6	86	12.5		977.05	111.77	908.92
11/11/2014		12:18	11/11/2014 12:18		36	36.5	8	84	16.7		964.08	110.29	1019.21
11/11/2014		14:34	11/11/2014 14:34		35	35	6	85	12.4		1978.84	226.38	1245.59
11/11/2014		15:52	11/11/2014 15:52		36	36	7	84	14.6		1053.47	120.52	1366.11
11/11/2014		15:53	11/11/2014 15:53		37	37.5	10	84	21.1		17.86	2.04	1368.15
11/11/2014		15:54	11/11/2014 15:54		37	38	11	80	23.3		22.19	2.54	1370.69
11/11/2014		17:18	11/11/2014 17:18		38	38	11	76	23.6		1969.85	225.35	1596.04
11/11/2014		17:19	11/11/2014 17:19			35					23.61	2.70	1598.74
SW-87 Event 4		11/13/2014	7:20	11/13/2014 7:20		30	31	0	66	0.0			
	11/13/2014	7:22	11/13/2014 7:22		34	35	0	66	0.0		0.00	0.00	1598.74
	11/13/2014	7:48	11/13/2014 7:48		32	32.5	5	68	10.2		132.24	15.13	1613.87
	11/13/2014	7:50	11/13/2014 7:50		36	36	10	68	21.2		31.38	3.59	1617.46
	11/13/2014	8:39	11/13/2014 8:39		36	36	10	73	21.1		1036.81	118.61	1736.07
	11/13/2014	11:15	11/13/2014 11:15		36	35.5	10	83	20.9		3276.94	374.88	2110.95
	11/13/2014	11:18	11/13/2014 11:18		38	36.5	13	83	27.7		72.93	8.34	2119.29
	11/13/2014	13:37	11/13/2014 13:37		36	35.5	12	82	25.1		3671.30	420.00	2539.29
	11/13/2014	15:37	11/13/2014 15:37		38	36	14	78	30.0		3306.03	378.21	2917.50
	11/13/2014	16:30	11/13/2014 16:30		38	36	14	76	30.0		1591.06	182.02	3099.52
	11/13/2014	17:24	11/13/2014 17:24		41	38	16	74	35.4		1766.90	202.13	3301.65
	11/13/2014	17:25	11/13/2014 17:25			32					35.39	4.05	3305.70
	SW-87 Event 5	11/17/2014	8:10	11/17/2014 8:10		35	33	20	71	41.9			
11/17/2014		8:40	11/17/2014 8:40		35	33	20	71	41.9		1256.15	143.70	3449.40
11/17/2014		10:00	11/17/2014 10:00		35	34	20	75	41.7		3343.21	382.46	3831.86
11/17/2014		11:05	11/17/2014 11:05		34	34	12	80	24.6		2156.63	246.72	4078.58
11/17/2014		12:35	11/17/2014 12:35		34	34	12	78	24.7		2220.55	254.03	4332.61
11/17/2014		13:08	11/17/2014 13:08		34	34	12	78	24.7		814.99	93.23	4425.85
11/17/2014		14:34	11/17/2014 14:34		37	34	15	70	32.1		2441.01	279.25	4705.10
11/17/2014		15:34	11/17/2014 15:34		37	35	16	72	34.1		1986.40	227.24	4932.34

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/17/2014	16:57	11/17/2014 16:57		37	35	16	72	34.1		2833.80	324.19	5256.53
	11/17/2014	16:58	11/17/2014 16:58			32					34.14	3.91	5260.44
SW-87 Event 6	11/21/2014	7:30	11/21/2014 7:30		30	30	0	48	0.0				5260.44
	11/21/2014	7:33	11/21/2014 7:33		34	34	6	48	12.7		19.08	2.18	5262.62
	11/21/2014	8:16	11/21/2014 8:16		32	33	8	56	16.5		627.65	71.80	5334.42
	11/21/2014	8:17	11/21/2014 8:17		36	36	13	56	27.9		22.19	2.54	5336.96
	11/21/2014	10:26	11/21/2014 10:26		35	36	12	74	25.0		3415.71	390.76	5727.72
	11/21/2014	12:12	11/21/2014 12:12		35	36	11	74	23.0		2544.61	291.10	6018.82
	11/21/2014	13:31	11/21/2014 13:31		36	37	12	75	25.3		1905.55	217.99	6236.82
	11/21/2014	15:30	11/21/2014 15:30		36	36.5	12	77	25.2		3005.36	343.81	6580.63
	11/21/2014	16:35	11/21/2014 16:35		36	36	12	73	25.3		1643.19	187.98	6768.61
	11/21/2014	16:57	11/21/2014 16:57		37	36	13	70	27.8		584.36	66.85	6835.46
	11/21/2014	16:58	11/21/2014 16:58			32					27.79	3.18	6838.64
SW-87 Event 7	11/25/2014	7:27	11/25/2014 7:27		31	31	0	69	0.0				6838.64
	11/25/2014	7:49	11/25/2014 7:49		28	29.5	7	69	13.6		149.55	17.11	6855.75
	11/25/2014	7:50	11/25/2014 7:50		38	36	18	69	38.9		26.25	3.00	6858.75
	11/25/2014	9:45	11/25/2014 9:45		38	36	18	71	38.8		4469.15	511.27	7370.02
	11/25/2014	11:11	11/25/2014 11:11		38	36	18	74	38.7		3333.96	381.40	7751.43
	11/25/2014	12:38	11/25/2014 12:38		38	36	18	76	38.6		3364.49	384.90	8136.32
	11/25/2014	12:39	11/25/2014 12:39			31.5					38.63	4.42	8140.74
SW-87 Event 8	12/5/2014	8:14	12/5/2014 8:14		30	31	0	67	0.0				8140.74
	12/5/2014	8:39	12/5/2014 8:39		28	30	0	67	0.0		0.00	0.00	8140.74
	12/5/2014	8:40	12/5/2014 8:40		36	37	6	67	12.7		6.37	0.73	8141.47
	12/5/2014	10:31	12/5/2014 10:31		35	36	8	71	16.7		1636.58	187.22	8328.70
	12/5/2014	12:08	12/5/2014 12:08		35	35.5	9	71	18.8		1726.16	197.47	8526.17
	12/5/2014	14:03	12/5/2014 14:03		35	35	10	72	20.9		2286.06	261.53	8787.70
	12/5/2014	14:04	12/5/2014 14:04		36	36.5	12	72	25.4		23.13	2.65	8790.34
	12/5/2014	15:26	12/5/2014 15:26		37	37	12	70	25.7		2091.44	239.26	9029.60
	12/5/2014	16:47	12/5/2014 16:47		37	37	12	69	25.7		2079.23	237.86	9267.47
	12/5/2014	16:48	12/5/2014 16:48			32					25.68	2.94	9270.41
SW-87 Event 9	12/19/2014	7:27	12/19/2014 7:27		30	31	0	50	0.0				9270.41
	12/19/2014	7:42	12/19/2014 7:42		29	30.5	0	50	0.0		0.00	0.00	9270.41
	12/19/2014	7:42	12/19/2014 7:42		34	36	7	50	14.8		0.00	0.00	9270.41
	12/19/2014	9:30	12/19/2014 9:30		34	36	7	64	14.6		1588.53	181.73	9452.13
	12/19/2014	10:42	12/19/2014 10:42		34	36	7	70	14.5		1048.45	119.94	9572.08
	12/19/2014	10:42	12/19/2014 10:42		37	37	12	70	25.7		0.00	0.00	9572.08
	12/19/2014	11:39	12/19/2014 11:39		37	37	12	71	25.6		1461.73	167.22	9739.30
	12/19/2014	11:40	12/19/2014 11:40			32					25.63	2.93	9742.23
SW-87 Event 10	2/13/2015	8:05	2/13/2015 8:05		31	32	0	53	0.0				9742.23
	2/13/2015	8:32	2/13/2015 8:32		30	30	5	56	10.1		135.91	15.55	9757.78
	2/13/2015	8:34	2/13/2015 8:34		39	37	12	56	26.5		36.59	4.19	9761.96
	2/13/2015	9:38	2/13/2015 9:38		38	36	12	59	26.2		1687.02	192.99	9954.96
	2/13/2015	10:52	2/13/2015 10:52		38	35	13	64	28.2		2013.83	230.38	10185.34
	2/13/2015	11:16	2/13/2015 11:16		38	35	13	62	28.3		678.30	77.60	10262.94
	2/13/2015	11:18	2/13/2015 11:18			27					56.58	6.47	10269.41
SW-87 Event 11	2/17/2015	7:56	2/17/2015 7:56		30	30	0	66	0.0				10269.41
	2/17/2015	8:15	2/17/2015 8:15		35	35	11	66	23.1		219.86	25.15	10294.56
	2/17/2015	10:18	2/17/2015 10:18		35	33	11	62	23.2		2852.25	326.30	10620.86
	2/17/2015	10:20	2/17/2015 10:20		40	36.5	14	62	31.1		54.29	6.21	10627.07
	2/17/2015	12:53	2/17/2015 12:53		40	36	16	60	35.6		5095.53	582.93	11210.00
	2/17/2015	14:38	2/17/2015 14:38		40	36	16	60	35.6		3733.56	427.12	11637.12

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/17/2015	14:39	2/17/2015 14:39		42	36.5	18	60	40.7		38.15	4.36	11641.48
	2/17/2015	17:08	2/17/2015 17:08		42	37	22	58	49.9		6752.48	772.48	12413.97
	2/17/2015	17:09	2/17/2015 17:09			33					49.90	5.71	12419.68
SW-87 Event 12	2/19/2015	8:02	2/19/2015 8:02		30	30.5	0	44	0.0				12419.68
	2/19/2015	8:20	2/19/2015 8:20		29	28	7	48	14.0		126.42	14.46	12434.14
	2/19/2015	8:21	2/19/2015 8:21		40	36	16	48	36.0		25.02	2.86	12437.00
	2/19/2015	10:29	2/19/2015 10:29		38	35	16.5	56	36.1		4615.79	528.05	12965.05
	2/19/2015	12:29	2/19/2015 12:29		38	34.5	17	56	37.2		4400.73	503.44	13468.49
	2/19/2015	14:03	2/19/2015 14:03		40	36	18	56	40.2		3637.09	416.08	13884.57
	2/19/2015	16:06	2/19/2015 16:06		40	36	18	57	40.1		4937.76	564.88	14449.45
	2/19/2015	17:00	2/19/2015 17:00		40	36	18	56	40.2		2167.80	248.00	14697.45
	2/19/2015	17:01	2/19/2015 17:01			28					40.16	4.59	14702.04
SW-87 Event 13	2/26/2015	8:15	2/26/2015 8:15		32	35	0	52	0.0				14702.04
	2/26/2015	8:53	2/26/2015 8:53		30	31	9.5	56	19.1		363.4	41.6	14743.62
	2/26/2015	8:54	2/26/2015 8:54		40	37	18.5	56	41.3		30.2	3.5	14747.08
	2/26/2015	9:49	2/26/2015 9:49		39	38	18.5	60	40.7		2255.3	258.0	15005.08
	2/26/2015	11:05	2/26/2015 11:05		38	37	18.5	63	40.2		3076.1	351.9	15356.98
	2/26/2015	12:13	2/26/2015 12:13		38	36.5	18.5	65	40.1		2732.2	312.6	15669.55
	2/26/2015	14:12	2/26/2015 14:12		41	38.5	19.5	63	43.6		4982.9	570.0	16239.59
	2/26/2015	15:34	2/26/2015 15:34		41	38	19.5	64	43.6		3573.9	408.9	16648.44
	2/26/2015	16:53	2/26/2015 16:53		42	38.5	20	60	45.3		3508.8	401.4	17049.85
	2/26/2015	16:54	2/26/2015 16:54			33					45.3	5.2	17055.03
Total CO2 Mass (lbs):												17055.03	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-88 Event 1	10/28/2014	8:45	10/28/2014 8:45		20	19	0	62	0.0				0.00
	10/28/2014	9:00	10/28/2014 9:00		25	24	0	72	0.0		0	0	0.00
	10/28/2014	9:15	10/28/2014 9:15		33	32	4.5	80	9.1		68.60	7.85	7.85
	10/28/2014	10:20	10/28/2014 10:20		35	34	4.5	90	9.3		597.92	68.40	76.25
	10/28/2014	11:20	10/28/2014 11:20		33	35	4	90	8.1		519.13	59.39	135.64
	10/28/2014	13:05	10/28/2014 13:05		33	35	4	88	8.1		846.42	96.83	232.47
	10/28/2014	14:10	10/28/2014 14:10		33	35	4	88	8.1		524.47	60.00	292.47
	10/28/2014	14:11	10/28/2014 14:11		34	35	8	88	16.3		12.19	1.39	293.86
	10/28/2014	15:20	10/28/2014 15:20		34.5	35	8	85	16.4		1129.78	129.25	423.11
	10/28/2014	16:35	10/28/2014 16:35		35	35	8	85	16.5		1236.12	141.41	564.52
10/28/2014	16:36	10/28/2014 16:36								16.52	1.89	566.41	
SW-88 Event 2	11/4/2014	8:24	11/4/2014 8:24		24	28	0	67	0.0				566.41
	11/4/2014	8:35	11/4/2014 8:35		28	28.5	0	70	0.0		0.00	0.00	566.41
	11/4/2014	8:39	11/4/2014 8:39		32	33.5	2	70	4.1		8.12	0.93	567.34
	11/4/2014	9:49	11/4/2014 9:49		32	33	0	80	0.0		142.13	16.26	583.60
	11/4/2014	11:15	11/4/2014 11:15		32	33	0	84	0.0		0.00	0.00	583.60
	11/4/2014	11:16	11/4/2014 11:16		36	36	7	84	14.6		7.31	0.84	584.44
	11/4/2014	13:03	11/4/2014 13:03		36	37	6	82	12.6		1453.81	166.32	750.75
	11/4/2014	13:04	11/4/2014 13:04		35	36	4	82	8.3		10.42	1.19	751.94
	11/4/2014	14:19	11/4/2014 14:19		35	36	4	84	8.3		620.83	71.02	822.97
	11/4/2014	15:45	11/4/2014 15:45		36	36	5	78	10.5		807.21	92.35	915.31
11/4/2014	16:47	11/4/2014 16:47		36	36	5	73	10.6		652.75	74.67	989.99	
11/4/2014	16:48	11/4/2014 16:48								10.55	1.21	991.19	
SW-88 Event 3	11/10/2014	8:21	11/10/2014 8:21		25	25	0	68	0.0				991.19
	11/10/2014	8:25	11/10/2014 8:25		34	34	0	68	0.0		0.00	0.00	991.19
	11/10/2014	8:43	11/10/2014 8:43		33	33	4	69	8.2		73.96	8.46	999.65
	11/10/2014	8:58	11/10/2014 8:58		33	33	4	70	8.2		123.20	14.09	1013.75
	11/10/2014	10:29	11/10/2014 10:29		33	33	4	72	8.2		746.33	85.38	1099.13
	11/10/2014	10:30	11/10/2014 10:30		35	35	6	72	12.5		10.37	1.19	1100.32
	11/10/2014	12:02	11/10/2014 12:02		35	35	6	76	12.5		1152.28	131.82	1232.14
	11/10/2014	15:47	11/10/2014 15:47		35	35	6	74	12.5		2815.34	322.07	1554.21
	11/10/2014	17:03	11/10/2014 17:03		35	35	6	72	12.5		952.81	109.00	1663.21
	11/10/2014	17:04	11/10/2014 17:04								12.55	1.44	1664.65
SW-88 Event 4	11/19/2014	7:20	11/19/2014 7:20		33	35	0	38	0.0				1664.65
	11/19/2014	7:38	11/19/2014 7:38		32	34	0	40	0.0		0.00	0.00	1664.65
	11/19/2014	8:54	11/19/2014 8:54		30	32	2	58	4.0		152.72	17.47	1682.12
	11/19/2014	8:55	11/19/2014 8:55		33	35	9	58	18.7		11.36	1.30	1683.42
	11/19/2014	10:25	11/19/2014 10:25		35	36	9	62	19.0		1696.63	194.09	1877.51
	11/19/2014	11:54	11/19/2014 11:54		34	35	9	63	18.8		1682.41	192.47	2069.98
	11/19/2014	13:53	11/19/2014 13:53		34	35	9	64	18.8		2235.66	255.76	2325.74
	11/19/2014	15:27	11/19/2014 15:27		35	35	9	68	18.9		1770.75	202.57	2528.32
	11/19/2014	16:39	11/19/2014 16:39		34	35	9	70	18.7		1352.33	154.71	2683.02
	11/19/2014	16:40	11/19/2014 16:40								18.67	2.14	2685.16
SW-88 Event 5	11/23/2014	7:30	11/23/2014 7:30		29	30	0	72	0.0				2685.16
	11/23/2014	7:31	11/23/2014 7:31		32	34	0	72	0.0		0.00	0.00	2685.16
	11/23/2014	7:36	11/23/2014 7:36		30	32	0	72	0.0		0.00	0.00	2685.16
	11/23/2014	7:37	11/23/2014 7:37		34	35	4	72	8.3		4.14	0.47	2685.63
	11/23/2014	8:25	11/23/2014 8:25		34	35	4	72	8.3		397.45	45.47	2731.10
	11/23/2014	8:26	11/23/2014 8:26		36	37	8.5	72	18.0		13.12	1.50	2732.60
	11/23/2014	10:01	11/23/2014 10:01		37	37	8	72	17.1		1663.92	190.35	2922.95
	11/23/2014	10:55	11/23/2014 10:55		37	37	8	74	17.0		920.94	105.36	3028.31

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/23/2014	12:27	11/23/2014 12:27		37	37	9	78	19.1		1662.02	190.14	3218.44
	11/23/2014	12:46	11/23/2014 12:46		37	37	9	80	19.1		362.42	41.46	3259.90
	11/23/2014	14:22	11/23/2014 14:22		36	37	10	78	21.0		1922.96	219.99	3479.89
	11/23/2014	15:32	11/23/2014 15:32		36	36	10	76	21.0		1471.79	168.37	3648.26
	11/23/2014	17:07	11/23/2014 17:07		36	36	11	74	23.2		2101.47	240.41	3888.67
	11/23/2014	17:08	11/23/2014 17:08			30					23.20	2.65	3891.33
SW-88 Event 6	12/1/2014	8:19	12/1/2014 8:19		30	32	0	67	0.0				3891.33
	12/1/2014	8:21	12/1/2014 8:21		32	34	0	67	0.0		0.00	0.00	3891.33
	12/1/2014	8:44	12/1/2014 8:44		32	34	0	72	0.0		0.00	0.00	3891.33
	12/1/2014	8:45	12/1/2014 8:45		35	36.5	6	72	12.5		6.27	0.72	3892.04
	12/1/2014	9:49	12/1/2014 9:49		36	36	6	80	12.6		804.10	91.99	3984.03
	12/1/2014	11:42	12/1/2014 11:42		34	36	6	85	12.3		1403.72	160.59	4144.62
	12/1/2014	12:54	12/1/2014 12:54		34	36	6	85	12.3		883.14	101.03	4245.65
	12/1/2014	14:56	12/1/2014 14:56		34	36	6	83	12.3		1497.86	171.35	4417.00
	12/1/2014	16:15	12/1/2014 16:15		34	36	6	81	12.3		971.78	111.17	4528.18
	12/1/2014	17:10	12/1/2014 17:10		35	35	7	72	14.6		741.22	84.80	4612.97
	12/1/2014	17:11	12/1/2014 17:11			28					14.64	1.67	4614.65
SW-88 Event 7	12/3/2014	7:29	12/3/2014 7:29		30	30	0	64	0.0				4614.65
	12/3/2014	7:50	12/3/2014 7:50		31	32.5	0	64	0.0		0.00	0.00	4614.65
	12/3/2014	7:51	12/3/2014 7:51		33	34	3	64	6.2		3.10	0.35	4615.00
	12/3/2014	8:16	12/3/2014 8:16		33	34	3	64	6.2		154.84	17.71	4632.71
	12/3/2014	9:26	12/3/2014 9:26		33	34	5	68	10.3		576.65	65.97	4698.68
	12/3/2014	10:48	12/3/2014 10:48		33	34	5	70	10.3		842.30	96.36	4795.04
	12/3/2014	10:49	12/3/2014 10:49		34	35	8	70	16.6		13.43	1.54	4796.58
	12/3/2014	12:11	12/3/2014 12:11		34	35	8	76	16.5		1356.65	155.20	4951.78
	12/3/2014	13:25	12/3/2014 13:25		34	35.5	8	79	16.4		1218.95	139.45	5091.23
	12/3/2014	14:42	12/3/2014 14:42		34	35.5	8	80	16.4		1265.93	144.82	5236.05
	12/3/2014	16:12	12/3/2014 16:12		34	35.5	8	78	16.5		1480.37	169.35	5405.40
	12/3/2014	17:12	12/3/2014 17:12		34	35.5	8	70	16.6		991.72	113.45	5518.85
	12/3/2014	17:13	12/3/2014 17:13			30					16.59	1.90	5520.75
SW-88 Event 8	12/10/2014	8:00	12/10/2014 8:00		30	31	0	48	0.0				5520.75
	12/10/2014	8:18	12/10/2014 8:18		26	27	0	53	0.0		0.00	0.00	5520.75
	12/10/2014	8:19	12/10/2014 8:19		35	36	4	53	8.5		4.26	0.49	5521.24
	12/10/2014	9:10	12/10/2014 9:10		34.5	35.5	6	62	12.6		538.94	61.65	5582.89
	12/10/2014	11:25	12/10/2014 11:25		34	35	6	71	12.4		1690.28	193.37	5776.26
	12/10/2014	12:45	12/10/2014 12:45		33	34	6	69	12.3		990.35	113.30	5889.56
	12/10/2014	14:02	12/10/2014 14:02		33	34	6	70	12.3		948.66	108.53	5998.09
	12/10/2014	15:49	12/10/2014 15:49		33	34	7	71	14.4		1426.67	163.21	6161.30
	12/10/2014	16:48	12/10/2014 16:48		33	34	7	68	14.4		848.05	97.02	6258.31
	12/10/2014	16:49	12/10/2014 16:49			28.5					14.39	1.65	6259.96
SW-88 Event 9	1/7/2015	7:42	1/7/2015 7:42		31	32.5	0	48	0.0				6259.96
	1/7/2015	8:02	1/7/2015 8:02		30	32.5	0	50	0.0		0.00	0.00	6259.96
	1/7/2015	8:03	1/7/2015 8:03		33	34.5	4	50	8.4		4.19	0.48	6260.44
	1/7/2015	9:19	1/7/2015 9:19		33	34.5	4	64	8.3		632.07	72.31	6332.75
	1/7/2015	11:32	1/7/2015 11:32		32	34	4	70	8.1		1089.26	124.61	6457.36
	1/7/2015	11:33	1/7/2015 11:33		34	36	6	70	12.4		10.28	1.18	6458.54
	1/7/2015	13:22	1/7/2015 13:22		34	36	6	69	12.5		1357.13	155.26	6613.79
	1/7/2015	15:18	1/7/2015 15:18		34	36	6.5	72	13.5		1502.91	171.93	6785.72
	1/7/2015	17:01	1/7/2015 17:01		34	36	6.5	68	13.5		1388.62	158.86	6944.58
	1/7/2015	17:02	1/7/2015 17:02			30					13.51	1.55	6946.13
SW-88 Event 10	1/13/2015	8:08	1/13/2015 8:08		29	31	0	64	0.0				6946.13

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/13/2015	8:21	1/13/2015 8:21		35	36	2	66	4.2		27.35	3.13	6949.26
	1/13/2015	9:40	1/13/2015 9:40		35	36	5	66	10.5		581.73	66.55	7015.81
	1/13/2015	12:07	1/13/2015 12:07		35	36	6	66	12.6		1701.01	194.60	7210.40
	1/13/2015	14:05	1/13/2015 14:05		35	36	6	66	12.6		1489.57	170.41	7380.81
	1/13/2015	15:54	1/13/2015 15:54		35	36	6	66	12.6		1375.96	157.41	7538.22
	1/13/2015	17:29	1/13/2015 17:29		35	36	7	62	14.8		1301.95	148.94	7687.16
	1/13/2015	17:30	1/13/2015 17:30			31					14.79	1.69	7688.85
SW-88 Event 11	1/20/2015	8:18	1/20/2015 8:18		27	29	0	46	0.0				7688.85
	1/20/2015	9:06	1/20/2015 9:06		26	28	0	52	0.0		0.00	0.00	7688.85
	1/20/2015	9:07	1/20/2015 9:07		36	36.5	6	52	12.9		6.47	0.74	7689.59
	1/20/2015	13:32	1/20/2015 13:32		35	36	9	76	18.8		4198.05	480.26	8169.85
	1/20/2015	15:54	1/20/2015 15:54		32	35	10	71	20.3		2771.49	317.06	8486.91
	1/20/2015	17:07	1/20/2015 17:07		35	35	9	68	18.9		1430.15	163.61	8650.52
	1/20/2015	17:08	1/20/2015 17:08			30					18.90	2.16	8652.68
SW-88 Event 12	1/22/2015	10:00	1/22/2015 10:00		31	33	0	66	0.0				8652.68
	1/22/2015	10:20	1/22/2015 10:20		36	37	10	68	21.2		212.11	24.27	8676.94
	1/22/2015	11:50	1/22/2015 11:50		36	37	10	70	21.2		1907.14	218.18	8895.12
	1/22/2015	15:27	1/22/2015 15:27		36	36.5	11	74	23.2		4813.62	550.68	9445.80
	1/22/2015	17:22	1/22/2015 17:22		36	36	12	65	25.5		2801.67	320.51	9766.31
	1/22/2015	17:23	1/22/2015 17:23			30					25.53	2.92	9769.23
SW-88 Event 13	1/27/2015	8:10	1/27/2015 8:10		26	28	0	49	0.0				9769.23
	1/27/2015	8:53	1/27/2015 8:53		22	25	0	59	0.0		0.00	0.00	9769.23
	1/27/2015	8:54	1/27/2015 8:54		32	34	4	59	8.2		4.11	0.47	9769.70
	1/27/2015	9:53	1/27/2015 9:53		32	34	4	64	8.2		483.22	55.28	9824.98
	1/27/2015	9:54	1/27/2015 9:54		34	35.5	7	64	14.6		11.39	1.30	9826.28
	1/27/2015	11:06	1/27/2015 11:06		34	35.5	7	66	14.6		1050.51	120.18	9946.46
	1/27/2015	12:00	1/27/2015 12:00		34	35	7	67	14.6		786.72	90.00	10036.46
	1/27/2015	13:25	1/27/2015 13:25		34	35.5	7	66	14.6		1238.35	141.67	10178.13
	1/27/2015	15:10	1/27/2015 15:10		34	35.5	7	66	14.6		1530.48	175.09	10353.21
	1/27/2015	16:12	1/27/2015 16:12		34	36	7	66	14.6		903.71	103.38	10456.60
	1/27/2015	17:01	1/27/2015 17:01		34	35.5	7	62	14.6		715.64	81.87	10538.47
	1/27/2015	17:03	1/27/2015 17:03			31.5					29.27	3.35	10541.82
SW-88 Event 14	1/29/2015	8:19	1/29/2015 8:19		28	30	0	48	0.0				10541.82
	1/29/2015	8:58	1/29/2015 8:58		24	27	0	58	0.0		0.00	0.00	10541.82
	1/29/2015	8:59	1/29/2015 8:59		32	35	5	58	10.3		5.14	0.59	10542.41
	1/29/2015	10:04	1/29/2015 10:04		32	34	6	68	12.2		730.59	83.58	10625.99
	1/29/2015	10:59	1/29/2015 10:59		32	34	7	70	14.2		726.53	83.12	10709.10
	1/29/2015	11:57	1/29/2015 11:57		32	34	7	71	14.2		823.95	94.26	10803.36
	1/29/2015	12:51	1/29/2015 12:51		32	34	7	69	14.2		767.50	87.80	10891.16
	1/29/2015	14:41	1/29/2015 14:41		32	33	8	68	16.3		1677.61	191.92	11083.08
	1/29/2015	15:45	1/29/2015 15:45		32	33	8	68	16.3		1041.61	119.16	11202.24
	1/29/2015	17:05	1/29/2015 17:05		32	34	8	64	16.3		1304.59	149.24	11351.48
	1/29/2015	17:06	1/29/2015 17:06			28					16.34	1.87	11353.35
SW-88 Event 15	2/4/2015	8:16	2/4/2015 8:16		28	31.5	0	55	0.0				11353.35
	2/4/2015	8:45	2/4/2015 8:45		28	30	0	58	0.0		0.00	0.00	11353.35
	2/4/2015	8:46	2/4/2015 8:46		35	37	7	58	14.8		7.42	0.85	11354.20
	2/4/2015	10:33	2/4/2015 10:33		35	36	7	60	14.8		1586.86	181.54	11535.74
	2/4/2015	12:32	2/4/2015 12:32		35	36	8	63	16.9		1885.97	215.76	11751.50
	2/4/2015	13:55	2/4/2015 13:55		35	36	8	62	16.9		1401.86	160.37	11911.87
	2/4/2015	15:19	2/4/2015 15:19		35	36	8	62	16.9		1419.46	162.39	12074.25
	2/4/2015	16:19	2/4/2015 16:19		35	36	8	60	16.9		1014.91	116.11	12190.36

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/4/2015	17:22	2/4/2015 17:22		35	36	9	59	19.1		1134.00	129.73	12320.09
	2/4/2015	17:23	2/4/2015 17:23			31					19.07	2.18	12322.27
SW-88 Event 16	2/11/2015	8:05	2/11/2015 8:05		30	32	0	50	0.0				12322.27
	2/11/2015	8:37	2/11/2015 8:37		28	30	0	61	0.0		0.00	0.00	12322.27
	2/11/2015	8:38	2/11/2015 8:38		35	36	8	61	16.9		8.46	0.97	12323.24
	2/11/2015	10:01	2/11/2015 10:01		36	36	8	66	17.0		1407.59	161.03	12484.27
	2/11/2015	11:27	2/11/2015 11:27		36	36	8	69	17.0		1460.06	167.03	12651.30
	2/11/2015	12:51	2/11/2015 12:51		36	36	8	67	17.0		1425.40	163.07	12814.36
	2/11/2015	14:29	2/11/2015 14:29		35	36	8	69	16.8		1654.60	189.29	13003.65
	2/11/2015	15:06	2/11/2015 15:06		35	36	8	70	16.8		620.61	71.00	13074.65
	2/11/2015	16:13	2/11/2015 16:13		35	36	8.5	70	17.8		1158.36	132.52	13207.16
	2/11/2015	17:09	2/11/2015 17:09		35	36	9	67	18.9		1028.42	117.65	13324.81
	2/11/2015	17:10	2/11/2015 17:10			31					18.92	2.16	13326.98
SW-88 Event 17	2/24/2015	8:08	2/24/2015 8:08		29	30	0	56	0.0				13326.98
	2/24/2015	8:19	2/24/2015 8:19		29	29.5	0	57	0.0		0.00	0.00	13326.98
	2/24/2015	8:20	2/24/2015 8:20		37	36	7	57	15.2		7.58	0.87	13327.85
	2/24/2015	10:22	2/24/2015 10:22		36	35	10	58	21.4		2231.72	255.31	13583.15
	2/24/2015	13:05	2/24/2015 13:05		36	35	11	58	23.6		3666.67	419.47	14002.62
	2/24/2015	15:09	2/24/2015 15:09		36	34	12	58	25.7		3055.03	349.50	14352.12
	2/24/2015	16:10	2/24/2015 16:10		36	34	13	58	27.9		1633.56	186.88	14539.00
	2/24/2015	17:00	2/24/2015 17:00		36	34	13	60	27.8		1391.15	159.15	14698.14
	2/24/2015	17:01	2/24/2015 17:01			28.5					27.79	3.18	14701.32
SW-88 Event 18	2/26/2015	8:18	2/26/2015 8:18		33	33	0	52	0.0				14701.32
	2/26/2015	8:52	2/26/2015 8:52		32	31	6	56	12.4		210.00	24.02	14725.35
	2/26/2015	8:53	2/26/2015 8:53		38	35.5	12	56	26.3		19.31	2.21	14727.56
	2/26/2015	9:48	2/26/2015 9:48		37	35	12	60	25.9		1435.12	164.18	14891.73
	2/26/2015	11:04	2/26/2015 11:04		37	35	12	63	25.8		1966.45	224.96	15116.69
	2/26/2015	12:15	2/26/2015 12:15		36	34.5	12.5	65	26.6		1861.21	212.92	15329.62
	2/26/2015	14:11	2/26/2015 14:11		36	35	14	63	29.8		3273.30	374.47	15704.08
	2/26/2015	15:36	2/26/2015 15:36		36	35	14	64	29.8		2535.42	290.05	15994.13
	2/26/2015	16:54	2/26/2015 16:54		36	35	14	60	29.9		2330.12	266.57	16260.70
	2/26/2015	16:55	2/26/2015 16:55			29					29.93	3.42	16264.12
Total CO2 Mass (lbs):												16264.12	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
											Total CO2 Mass (lbs):	12554.83	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-90 Event 1	10/23/2014	9:27	10/23/2014 9:27		20	20	0	58	0.0				0.00
	10/23/2014	9:33	10/23/2014 9:33		26	26	0	58	0.0		0	0	0.00
	10/23/2014	9:44	10/23/2014 9:44		26	26	0	60	0.0		0.00	0.00	0.00
	10/23/2014	9:45	10/23/2014 9:45		31	31	2	60	4.1		2.03	0.23	0.23
	10/23/2014	10:50	10/23/2014 10:50		30	30	4	80	7.9		387.51	44.33	44.56
	10/23/2014	10:51	10/23/2014 10:51		35	35	8	80	16.6		12.24	1.40	45.96
	10/23/2014	12:15	10/23/2014 12:15		35	35	8	80	16.6		1394.66	159.55	205.51
	10/23/2014	13:50	10/23/2014 13:50		35	35	9	78	18.7		1677.58	191.92	397.43
10/23/2014	14:05	10/23/2014 14:05								280.72	32.11	429.54	
SW-90 Event 2	11/4/2014	8:20	11/4/2014 8:20		23	23	0	56	0.0				429.54
	11/4/2014	8:24	11/4/2014 8:24		33	32.5	2	56	4.2		8.32	0.95	430.49
	11/4/2014	8:33	11/4/2014 8:33		33	32.5	3	58	6.2		46.77	5.35	435.84
	11/4/2014	8:45	11/4/2014 8:45		33	31	5	61	10.4		99.51	11.38	447.23
	11/4/2014	9:34	11/4/2014 9:34		32	31	6	74	12.1		550.97	63.03	510.26
	11/4/2014	9:35	11/4/2014 9:35		34	32	8	74	16.5		14.33	1.64	511.90
	11/4/2014	11:12	11/4/2014 11:12		34	32	8	78	16.5		1600.14	183.06	694.95
	11/4/2014	12:56	11/4/2014 12:56		34	31	10	80	20.5		1924.27	220.14	915.09
	11/4/2014	14:27	11/4/2014 14:27		33	30	11	80	22.4		1951.92	223.30	1138.39
	11/4/2014	15:32	11/4/2014 15:32		33	29	12	77	24.5		1521.65	174.08	1312.47
	11/4/2014	15:33	11/4/2014 15:33			25					24.46	2.80	1315.26
SW-90 Event 3	11/10/2014	8:20	11/10/2014 8:20		32	32	4	60	8.2				1315.26
	11/10/2014	8:22	11/10/2014 8:22		34	34	7	60	14.7		22.87	2.62	1317.88
	11/10/2014	8:47	11/10/2014 8:47		34	33	8	63	16.7		392.14	44.86	1362.74
	11/10/2014	10:35	11/10/2014 10:35		34	31	10	70	20.7		2022.25	231.34	1594.09
	11/10/2014	10:36	11/10/2014 10:36		37	32	12	70	25.7		23.20	2.65	1596.74
	11/10/2014	12:04	11/10/2014 12:04		37	32	14	72	29.9		2443.38	279.52	1876.26
	11/10/2014	15:51	11/10/2014 15:51		36.5	31	14	70	29.8		6771.40	774.65	2650.91
	11/10/2014	16:53	11/10/2014 16:53		36.5	31	14	70	29.8		1846.70	211.26	2862.17
	11/10/2014	16:54	11/10/2014 16:54			26.5					29.79	3.41	2865.58
SW-90 Event 4	11/18/2014	11:56	11/18/2014 11:56		35	32	4	60	8.5				2865.58
	11/18/2014	12:22	11/18/2014 12:22		37	34	8	60	17.3		334.64	38.28	2903.86
	11/18/2014	13:51	11/18/2014 13:51		36	32	11	60	23.5		1815.34	207.68	3111.54
	11/18/2014	15:37	11/18/2014 15:37		35	31	12	61	25.4		2591.25	296.44	3407.98
	11/18/2014	16:59	11/18/2014 16:59		35	31	13	60	27.5		2168.38	248.06	3656.04
	11/18/2014	17:00	11/18/2014 17:00			26					27.51	3.15	3659.19
SW-90 Event 5	11/20/2014	11:38	11/20/2014 11:38		36	35	8	68	17.0				3659.19
	11/20/2014	12:18	11/20/2014 12:18		35	33	10	68	21.0		759.33	86.87	3746.06
	11/20/2014	14:28	11/20/2014 14:28		35	30.5	12	71	25.1		2997.84	342.95	4089.01
	11/20/2014	14:29	11/20/2014 14:29		37	31	13.5	71	28.8		26.98	3.09	4092.10
	11/20/2014	15:30	11/20/2014 15:30		37	30.5	14	70	29.9		1792.45	205.06	4297.15
	11/20/2014	16:25	11/20/2014 16:25		36	30	14	67	29.7		1640.60	187.68	4484.84
	11/20/2014	17:05	11/20/2014 17:05		44	33	20	64	45.9		1512.31	173.01	4657.84
	11/20/2014	17:07	11/20/2014 17:07			26					91.78	10.50	4668.34
SW-90 Event 6	11/23/2014	12:18	11/23/2014 12:18		28	28	0	71	0.0				4668.34
	11/23/2014	12:24	11/23/2014 12:24		35	33	10	71	20.9		62.81	7.19	4675.53
	11/23/2014	12:44	11/23/2014 12:44		35	32	10.5	74	21.9		428.54	49.03	4724.55
	11/23/2014	12:45	11/23/2014 12:45		38	34	12.5	74	26.9		24.40	2.79	4727.35
	11/23/2014	14:18	11/23/2014 14:18		38	32	14.5	73	31.2		2701.44	309.04	5036.39
	11/23/2014	14:19	11/23/2014 14:19		42	33.5	16	73	35.7		33.48	3.83	5040.22
	11/23/2014	15:30	11/23/2014 15:30		42	33.5	18	70	40.3		2701.01	309.00	5349.22
	11/23/2014	17:03	11/23/2014 17:03		42	31.5	18	70	40.3		3751.26	429.14	5778.36

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/23/2014	17:04	11/23/2014 17:04			26.5					40.34	4.61	5782.97
SW-90 Event 7	12/1/2014	8:28	12/1/2014 8:28		30	30	0	59	0.0				5782.97
	12/1/2014	8:37	12/1/2014 8:37		35	34	10	60	21.2		95.24	10.90	5793.87
	12/1/2014	8:49	12/1/2014 8:49		35	32	10	63	21.1		253.60	29.01	5822.88
	12/1/2014	8:50	12/1/2014 8:50		39	34	13	63	28.5		24.82	2.84	5825.72
	12/1/2014	9:44	12/1/2014 9:44		39	33	16	70	34.9		1712.08	195.86	6021.58
	12/1/2014	9:45	12/1/2014 9:45		44	35	16	70	36.5		35.68	4.08	6025.67
	12/1/2014	11:46	12/1/2014 11:46		42	33	18	73	40.2		4640.97	530.93	6556.59
	12/1/2014	12:37	12/1/2014 12:37		44	32.5	19	72	43.2		2128.41	243.49	6800.08
	12/1/2014	12:38	12/1/2014 12:38			28					43.25	4.95	6805.03
SW-90 Event 8	12/10/2014	8:08	12/10/2014 8:08		30	30	0	44	0.0				6805.03
	12/10/2014	8:24	12/10/2014 8:24		29.5	29	5	49	10.1		80.65	9.23	6814.26
	12/10/2014	8:25	12/10/2014 8:25		36	35	10	49	21.6		15.85	1.81	6816.07
	12/10/2014	9:15	12/10/2014 9:15		37	32.5	12	60	25.9		1188.35	135.95	6952.02
	12/10/2014	9:16	12/10/2014 9:16		40	34	13	60	28.9		27.40	3.13	6955.15
	12/10/2014	11:28	12/10/2014 11:28		40	33	16	65	35.4		4241.86	485.27	7440.42
	12/10/2014	12:24	12/10/2014 12:24		39	31	16.5	64	36.2		2003.69	229.22	7669.64
	12/10/2014	12:25	12/10/2014 12:25			25					36.18	4.14	7673.78
SW-90 Event 9	12/11/2014	8:11	12/11/2014 8:11		30	30	0	44	0.0				7673.78
	12/11/2014	8:23	12/11/2014 8:23		29	28.5	6	47	12.1		72.32	8.27	7682.05
	12/11/2014	8:24	12/11/2014 8:24		36	33	12	47	26.0		19.03	2.18	7684.23
	12/11/2014	10:23	12/11/2014 10:23		36.5	30	14	60	30.1		3336.84	381.73	8065.97
	12/11/2014	10:24	12/11/2014 10:24		40	32	15	60	33.3		31.71	3.63	8069.59
	12/11/2014	11:56	12/11/2014 11:56		40	31	17	63	37.7		3266.08	373.64	8443.23
	12/11/2014	13:06	12/11/2014 13:06		40	30.5	18	63	39.9		2714.19	310.50	8753.74
	12/11/2014	13:07	12/11/2014 13:07			25					39.88	4.56	8758.30
Total CO2 Mass (lbs):												8758.30	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-91 Event 1	10/27/2014	8:20	10/27/2014 8:20		23	24	0	66	0.0				
	10/27/2014	8:46	10/27/2014 8:46		24	24	0	70	0.0		0	0	0.00
	10/27/2014	8:47	10/27/2014 8:47		34	35	0	70	0.0		0	0	0.00
	10/27/2014	9:06	10/27/2014 9:06		34	34	5	72	10.4		98.33	11.25	11.25
	10/27/2014	10:07	10/27/2014 10:07		33	34	6	80	12.2		687.65	78.67	89.92
	10/27/2014	11:05	10/27/2014 11:05		30.5	34	6	80	11.9		697.82	79.83	169.75
	10/27/2014	12:10	10/27/2014 12:10		30.5	34	6	98	11.7		764.90	87.50	257.25
	10/27/2014	13:25	10/27/2014 13:25		31	33.5	7	99	13.7		950.41	108.73	365.98
	10/27/2014	14:30	10/27/2014 14:30		31	33.5	6.5	99	12.7		857.21	98.06	464.04
	10/27/2014	15:30	10/27/2014 15:30		31	32	6	98	11.7		732.98	83.85	547.89
10/27/2014	16:30	10/27/2014 16:30		31	32	6.5	91	12.8		735.82	84.18	632.07	
SW-91 Event 2	11/7/2014	7:49	11/7/2014 7:49		30	31	0	64	0				632.07
	11/7/2014	7:53	11/7/2014 7:53		33	34	4	64	8.3		16.52	1.89	633.96
	11/7/2014	8:08	11/7/2014 8:08		33	33.5	6	66	12.4		154.66	17.69	651.65
	11/7/2014	8:09	11/7/2014 8:09		35	35	8	66	16.8		14.60	1.67	653.32
	11/7/2014	8:56	11/7/2014 8:56		35	34.5	8.5	69	17.8		814.55	93.18	746.51
	11/7/2014	10:09	11/7/2014 10:09		35	34	9	76	18.8		1335.21	152.75	899.26
	11/7/2014	10:10	11/7/2014 10:10		37	35	12	76	25.5		22.13	2.53	901.79
	11/7/2014	11:55	11/7/2014 11:55		38	36	14	79	30.0		2912.12	333.15	1234.93
	11/7/2014	13:48	11/7/2014 13:48		38	36	14.5	80	31.0		3444.47	394.05	1628.98
	11/7/2014	14:58	11/7/2014 14:58		38	35.5	16	81	34.2		2281.24	260.97	1889.96
	11/7/2014	16:07	11/7/2014 16:07		38	35	18	75	38.7		2513.28	287.52	2177.47
	11/7/2014	16:09	11/7/2014 16:09			29							2177.47
	SW-91 Event 3	11/11/2014	8:00	11/11/2014 8:00		29	31	0	67	0.0		0.00	0.00
11/11/2014		8:07	11/11/2014 8:07		34	34	8	67	16.6		58.25	6.66	2184.14
11/11/2014		9:00	11/11/2014 9:00		34	34	10	73	20.7		989.04	113.15	2297.28
11/11/2014		9:51	11/11/2014 9:51		34	33.5	10	36	21.5		1074.85	122.96	2420.25
11/11/2014		9:52	11/11/2014 9:52		36	34.5	12	79	25.2		23.33	2.67	2422.91
11/11/2014		10:48	11/11/2014 10:48		36	34.5	13	86	27.1		1463.85	167.46	2590.38
11/11/2014		11:38	11/11/2014 11:38		36	34	13.5	86	28.1		1380.97	157.98	2748.36
11/11/2014		11:39	11/11/2014 11:39		37	35	14.5	86	30.5		29.33	3.36	2751.72
11/11/2014		14:53	11/11/2014 14:53		38	34.5	19.5	87	41.4		6978.20	798.31	3550.02
11/11/2014		16:54	11/11/2014 16:54		38	34.5	19.5	83	41.6		5020.68	574.37	4124.39
11/11/2014		17:11	11/11/2014 17:11		38	34.5	19.5	82	41.6		707.07	80.89	4205.28
11/11/2014		17:12	11/11/2014 17:12			30					41.61	4.76	4210.04
SW-91 Event 4		11/21/2014	7:36	11/21/2014 7:36		22	22	0	42	0.0			
	11/21/2014	7:56	11/21/2014 7:56		34	32	12	52	25.3		253.41	28.99	4239.03
	11/21/2014	9:58	11/21/2014 9:58		34	32	12	73	24.8		3059.59	350.02	4589.05
	11/21/2014	10:00	11/21/2014 10:00		36	34	15	73	31.7		56.48	6.46	4595.51
	11/21/2014	11:49	11/21/2014 11:49		35	33	14.5	80	30.1		3365.61	385.03	4980.53
	11/21/2014	12:58	11/21/2014 12:58		37	33	18	81	38.1		2351.84	269.05	5249.58
	11/21/2014	12:59	11/21/2014 12:59			28					38.08	4.36	5253.94
SW-91 Event 5	11/25/2014	7:26	11/25/2014 7:26		26	27	0	66	0.0				5253.94
	11/25/2014	7:36	11/25/2014 7:36		39	35	16	66	35.0		175.07	20.03	5273.97
	11/25/2014	8:41	11/25/2014 8:41		39	35	16	66	35.0		2275.93	260.37	5534.33
	11/25/2014	8:42	11/25/2014 8:42		41	36	18	66	40.1		37.57	4.30	5538.63
	11/25/2014	11:07	11/25/2014 11:07		39	34	19	70	41.4		5912.12	676.35	6214.98
	11/25/2014	12:23	11/25/2014 12:23		41	34.5	21	76	46.4		3335.48	381.58	6596.56
	11/25/2014	12:24	11/25/2014 12:24			28					46.36	5.30	6601.86
SW-91 Event 6	12/3/2014	7:39	12/3/2014 7:39		29	29	0	62	0.0				6601.86
	12/3/2014	7:52	12/3/2014 7:52		38	35	14	62	30.5		198.04	22.66	6624.52

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/3/2014	8:08	12/3/2014 8:08		38	35	14	62	30.5		487.47	55.77	6680.28
	12/3/2014	9:16	12/3/2014 9:16		38	35	14	66	30.3		2067.64	236.54	6916.82
	12/3/2014	10:47	12/3/2014 10:47		38	34	15	70	32.4		2854.26	326.53	7243.35
	12/3/2014	10:48	12/3/2014 10:48		40	35	18	70	39.6		36.00	4.12	7247.47
	12/3/2014	12:06	12/3/2014 12:06		40	35	18	80	39.2		3074.22	351.69	7599.16
	12/3/2014	12:07	12/3/2014 12:07			30					39.22	4.49	7603.64
SW-91 Event 7	2/11/2015	7:37	2/11/2015 7:37		28	29	0	45	0.0		0.00	0.00	7603.64
	2/11/2015	8:08	2/11/2015 8:08		28	28	<2	54	0.0		0.00	0.00	7603.64
	2/11/2015	8:09	2/11/2015 8:09		35	34	11	54	23.4		11.71	1.34	7604.98
	2/11/2015	9:28	2/11/2015 9:28		36	35	10	63	21.3		1767.22	202.17	7807.15
	2/11/2015	11:42	2/11/2015 11:42		36	33.5	12	74	25.3		3123.60	357.34	8164.49
	2/11/2015	13:00	2/11/2015 13:00		35	32.5	13.5	75	28.2		2084.85	238.51	8403.00
	2/11/2015	13:01	2/11/2015 13:01			28					28.15	3.22	8406.22
Total CO2 Mass (lbs):												8406.22	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/3/2014	15:17	12/3/2014 15:17		38	27.5	28	84	59.6		6848.20	783.43	10006.56
	12/3/2014	15:18	12/3/2014 15:18		42	28	30	84	66.3		62.98	7.20	10013.77
	12/3/2014	17:05	12/3/2014 17:05		52	30	36	72	87.5		8227.33	941.21	10954.97
	12/3/2014	17:06	12/3/2014 17:06			24					87.47	10.01	10964.98
SW-92 Event 8	2/27/2015	7:50	2/27/2015 7:50		28	30	13.5	50	26.7				10964.98
	2/27/2015	8:11	2/27/2015 8:11		28	25	16	50	31.7		613.06	70.13	11035.11
	2/27/2015	8:12	2/27/2015 8:12		33	27	22	50	46.1		38.87	4.45	11039.56
	2/27/2015	8:13	2/27/2015 8:13		38	29	26	50	57.3		51.67	5.91	11045.47
	2/27/2015	9:36	2/27/2015 9:36		39	28	27	52	59.9		4863.88	556.43	11601.90
	2/27/2015	11:18	2/27/2015 11:18		38	27	28	56	61.3		6182.78	707.31	12309.21
	2/27/2015	11:19	2/27/2015 11:19			22					61.30	7.01	12316.22
Total CO2 Mass (lbs):												12316.22	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/27/2015	16:31	1/27/2015 16:31		35	32	14	65	29.5		1415.23	161.90	16608.16
	1/27/2015	16:32	1/27/2015 16:32			23					29.48	3.37	16611.54
SW-93 Event 19	1/29/2015	7:53	1/29/2015 7:53		30	31.5	0	42	0.0				16611.54
	1/29/2015	8:25	1/29/2015 8:25		29	29	0	50	0.0		0.00	0.00	16611.54
	1/29/2015	8:26	1/29/2015 8:26		34	34	8	50	16.9		8.46	0.97	16612.50
	1/29/2015	9:42	1/29/2015 9:42		34	33.5	9	64	18.8		1356.83	155.22	16767.73
	1/29/2015	10:42	1/29/2015 10:42		34	33.5	10	72	20.7		1184.35	135.49	16903.22
	1/29/2015	11:32	1/29/2015 11:32		34	33.5	10	76	20.6		1033.02	118.18	17021.39
	1/29/2015	12:56	1/29/2015 12:56		34	33	12	75	24.8		1906.32	218.08	17239.48
	1/29/2015	14:42	1/29/2015 14:42		34	32.5	12	72	24.8		2629.27	300.79	17540.26
	1/29/2015	15:52	1/29/2015 15:52		34	32.5	12	72	24.8		1738.85	198.92	17739.19
	1/29/2015	16:40	1/29/2015 16:40		34	32	12	70	24.9		1193.52	136.54	17875.73
	1/29/2015	16:42	1/29/2015 16:42			50					49.78	5.69	17881.42
SW-93 Event 20	2/24/2015	7:57	2/24/2015 7:57		30	31	0	55	0.0				17881.42
	2/24/2015	8:19	2/24/2015 8:19		29	29	4	55	8.0		87.67	10.03	17891.45
	2/24/2015	8:20	2/24/2015 8:20		34	35	10	55	21.1		14.51	1.66	17893.11
	2/24/2015	10:44	2/24/2015 10:44		36	33	12	56	25.8		3370.58	385.59	18278.71
	2/24/2015	12:32	2/24/2015 12:32		36	33	13	55	27.9		2899.58	331.71	18610.42
	2/24/2015	14:39	2/24/2015 14:39		36	33	14	54	30.1		3686.20	421.70	19032.12
	2/24/2015	15:53	2/24/2015 15:53		35	32	14.5	57	30.8		2253.19	257.76	19289.88
	2/24/2015	17:11	2/24/2015 17:11		35	32	15	56	31.9		2443.66	279.55	19569.44
	2/24/2015	17:12	2/24/2015 17:12			25					31.88	3.65	19573.08
SW-93 Event 21	3/2/2015	8:00	3/2/2015 8:00		31	32	0	60	0.0				19573.08
	3/2/2015	8:38	3/2/2015 8:38		31.5	30.5	5	60	10.2		193.74	22.16	19595.25
	3/2/2015	8:39	3/2/2015 8:39		35	35	8	60	16.9		13.56	1.55	19596.80
	3/2/2015	10:18	3/2/2015 10:18		35	33	10	66	21.0		1879.57	215.02	19811.82
	3/2/2015	11:28	3/2/2015 11:28		35	33	11.5	68	24.1		1581.52	180.93	19992.75
	3/2/2015	12:42	3/2/2015 12:42		35	32	12	73	25.1		1821.18	208.34	20201.09
	3/2/2015	12:43	3/2/2015 12:43			24					25.07	2.87	20203.96
Total CO2 Mass (lbs):												20203.96	

Sparge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-94 Event 1	10/21/2014	10:19	10/21/2014 10:19	10	9.5	0	89	0.0				
	10/21/2014	10:31	10/21/2014 10:31	11	10	0	90	0.0		0.0	0.00	0.00
	10/21/2014	10:50	10/21/2014 10:50	10	10	0	90	0.0		0.0	0.00	0.00
	10/21/2014	10:51	10/21/2014 10:51	18	18	0	90	0.0		0.0	0.00	0.00
	10/21/2014	11:44	10/21/2014 11:44	24	24	0	91	0.0		0.0	0.00	0.00
	10/21/2014	12:09	10/21/2014 12:09	24	23	0	91	0.0		0.0	0.00	0.00
	10/21/2014	12:11	10/21/2014 12:11	29	28	8	91	15.4		15.4	1.76	1.76
	10/21/2014	13:25	10/21/2014 13:25	28.5	27	9.5	92	18.2		1241.4	142.01	143.77
	10/21/2014	13:27	10/21/2014 13:27	32	30	12.5	92	24.9		43.0	4.92	148.70
	10/21/2014	14:35	10/21/2014 14:35	32	30	15	90	29.9		1860.8	212.88	361.57
10/21/2014	14:36	10/21/2014 14:36		21.5					29.9	3.42	364.99	
SW-94 Event 2	10/29/2014	12:08	10/29/2014 12:08	24	24	0	90	0.0				364.99
	10/29/2014	12:11	10/29/2014 12:11	31	32	2	90	3.9		5.9	0.68	365.67
	10/29/2014	13:11	10/29/2014 13:11	30	29	11	92	21.4		759.9	86.93	452.60
	10/29/2014	14:09	10/29/2014 14:09	30	28	13	92	25.3		1353.4	154.83	607.43
	10/29/2014	15:10	10/29/2014 15:10	30	28	14	92	27.2		1601.4	183.19	790.63
	10/29/2014	16:37	10/29/2014 16:37	30	27	15	88	29.3		2457.8	281.18	1071.81
	10/29/2014	16:38	10/29/2014 16:38	0	21					29.3	3.35	1075.15
SW-94 Event 3	11/10/2014	7:55	11/10/2014 7:55	30	29.5	0	64	0				1075.15
	11/10/2014	8:10	11/10/2014 8:10	29	28	4	68	7.9		59.0	6.8	1081.91
	11/10/2014	8:11	11/10/2014 8:11	32	31	8	68	16.3		12.1	1.4	1083.29
	11/10/2014	8:40	11/10/2014 8:40	32	30	10	68	20.3		531.0	60.7	1144.03
	11/10/2014	8:42	11/10/2014 8:42	34	31	12	68	24.9		45.3	5.2	1149.21
	11/10/2014	8:51	11/10/2014 8:51	34	31	12	68	24.9		224.4	25.7	1174.89
	11/10/2014	10:00	11/10/2014 10:00	34	30	14	67	29.1		1865.1	213.4	1388.26
	11/10/2014	11:36	11/10/2014 11:36	34	30	16	73	33.1		2986.2	341.6	1729.87
	11/10/2014	12:22	11/10/2014 12:22	34	29	17	74	35.1		1568.9	179.5	1909.35
	11/10/2014	12:23	11/10/2014 12:23		22.5					35.1	4.0	1913.37
SW-94 Event 4	11/14/2014	7:37	11/14/2014 7:37	27	26	0	51	0.0				1913.37
	11/14/2014	7:39	11/14/2014 7:39	30	32	0	51	0.0		0.0	0.0	1913.37
	11/14/2014	7:48	11/14/2014 7:48	32	30	6	51	12.4		55.9	6.4	1919.76
	11/14/2014	7:56	11/14/2014 7:56	31	29	8	51	16.4		115.2	13.2	1932.93
	11/14/2014	7:57	11/14/2014 7:57	34	31	10	51	21.1		18.8	2.1	1935.08
	11/14/2014	8:42	11/14/2014 8:42	34	30	12	52	25.3		1045.8	119.6	2054.72
	11/14/2014	8:42	11/14/2014 8:42	37	33	18	52	39.2		0.0	0.0	2054.72
	11/14/2014	9:58	11/14/2014 9:58	37	32	18	60	38.9		2966.1	339.3	2394.04
	11/14/2014	11:26	11/14/2014 11:26	36	30	20	68	42.4		3576.9	409.2	2803.24
	11/14/2014	12:16	11/14/2014 12:16	38	30	22	69	47.5		2249.2	257.3	3060.54
	11/14/2014	12:17	11/14/2014 12:17		25					47.5	5.4	3065.98
SW-94 Event 5	11/19/2014	7:17	11/19/2014 7:17	24	24	0	36	0.0				3065.98
	11/19/2014	7:34	11/19/2014 7:34	34	31	12	38	25.7		218.5	25.0	3090.98
	11/19/2014	9:10	11/19/2014 9:10	32	29	14	51	29.0		2624.6	300.3	3391.24
	11/19/2014	9:11	11/19/2014 9:11	36	31	18	52	38.8		33.9	3.9	3395.12
	11/19/2014	10:40	11/19/2014 10:40	36	31	18	60	38.5		3439.1	393.4	3788.55
	11/19/2014	12:16	11/19/2014 12:16	36	29	20	66	42.5		3887.6	444.7	4233.29
	11/19/2014	12:17	11/19/2014 12:17		25					42.5	4.9	4238.16
SW-94 Event 6	11/23/2014	7:52	11/23/2014 7:52	24	24	0	70	0.0				4238.16
	11/23/2014	8:06	11/23/2014 8:06	33	30	11	70	22.6		158.0	18.1	4256.24
	11/23/2014	8:18	11/23/2014 8:18	36	32	14	70	29.6		313.3	35.8	4292.07
	11/23/2014	10:22	11/23/2014 10:22	34	32	17	72	35.2		4019.4	459.8	4751.89
	11/23/2014	10:46	11/23/2014 10:46	36	32	18	72	38.0		878.7	100.5	4852.41

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/23/2014	12:18	11/23/2014 12:18		36	32	19	78	39.9		3585.3	410.2	5262.56
	11/23/2014	12:19	11/23/2014 12:19			26					39.9	4.6	5267.13
SW-94 Event 7	11/25/2014	7:28	11/25/2014 7:28		27	27	0	66	0.0				5267.13
	11/25/2014	7:39	11/25/2014 7:39		36	33	14	66	29.8		163.6	18.7	5285.85
	11/25/2014	8:45	11/25/2014 8:45		36	31	16	67	34.0		2103.0	240.6	5526.43
	11/25/2014	8:46	11/25/2014 8:46		39	33	20	67	43.7		38.8	4.4	5530.87
	11/25/2014	11:11	11/25/2014 11:11		38	31	22	70	47.5		6613.6	756.6	6287.47
	11/25/2014	12:20	11/25/2014 12:20		40	31	23	75	50.4		3376.1	386.2	6673.69
	11/25/2014	12:21	11/25/2014 12:21			25					50.4	5.8	6679.46
SW-94 Event 8	12/2/2014	8:28	12/2/2014 8:28		27	27	0	66	0.0				6679.46
	12/2/2014	8:54	12/2/2014 8:54		35	32	13	68	27.3		354.9	40.6	6720.05
	12/2/2014	10:15	12/2/2014 10:15		35	33	15	78	31.2		2368.7	271.0	6991.04
	12/2/2014	11:46	12/2/2014 11:46		35	31.5	18	86	37.1		3109.2	355.7	7346.73
	12/2/2014	11:48	12/2/2014 11:48		42	33	24.5	86	54.1		91.2	10.4	7357.16
	12/2/2014	12:44	12/2/2014 12:44		42	34	25	86	55.2		3057.9	349.8	7706.99
	12/2/2014	12:45	12/2/2014 12:45			27					55.2	6.3	7713.30
SW-94 Event 9	12/4/2014	12:47	12/4/2014 12:47		27.5	27.5	0	86	0.0				7713.30
	12/4/2014	13:07	12/4/2014 13:07		34	31	12	80	24.6		246.5	28.2	7741.50
	12/4/2014	14:50	12/4/2014 14:50		34	30.5	14.5	78	29.8		2806.3	321.0	8062.54
	12/4/2014	16:04	12/4/2014 16:04		34	30	18	77	37.1		2476.1	283.3	8345.81
	12/4/2014	16:05	12/4/2014 16:05		40	32	23	77	50.3		43.7	5.0	8350.80
	12/4/2014	16:57	12/4/2014 16:57		40	32	24	72	52.7		2677.1	306.3	8657.06
	12/4/2014	16:58	12/4/2014 16:58			26					52.7	6.0	8663.09
SW-94 Event 10	12/15/2014	7:38	12/15/2014 7:38		28	28	0	42	0.0				8663.09
	12/15/2014	7:59	12/15/2014 7:59		35	31	14	46	30.1		315.6	36.1	8699.19
	12/15/2014	9:18	12/15/2014 9:18		35	31	15	61	31.7		2440.0	279.1	8978.33
	12/15/2014	10:59	12/15/2014 10:59		34	29	16.5	75	34.1		3321.5	380.0	9358.31
	12/15/2014	11:00	12/15/2014 11:00		37	30.5	20	75	42.6		38.3	4.4	9362.69
	12/15/2014	12:29	12/15/2014 12:29		37	30	21	76	44.6		3880.0	443.9	9806.56
	12/15/2014	12:30	12/15/2014 12:30			24					44.6	5.1	9811.66
SW-94 Event 11	1/5/2015	8:42	1/5/2015 8:42		26	25	0	56	0.0				9811.66
	1/5/2015	8:47	1/5/2015 8:47		26	25	0	57	0.0		0.0	0.0	9811.66
	1/5/2015	8:48	1/5/2015 8:48		35	32.5	10	57	21.2		10.6	1.2	9812.88
	1/5/2015	10:03	1/5/2015 10:03		35	31	14	62	29.6		1905.0	217.9	10030.82
	1/5/2015	10:04	1/5/2015 10:04		36	31.5	16	62	34.1		31.9	3.6	10034.46
	1/5/2015	10:49	1/5/2015 10:49		36	31.5	16.5	64	35.1		1558.8	178.3	10212.78
	1/5/2015	10:50	1/5/2015 10:50			26					35.1	4.0	10216.80
	1/5/2015	13:56	1/5/2015 13:56		36	28	22	68	46.7				10216.80
	1/5/2015	14:29	1/5/2015 14:29		36	30.5	20	71	42.3		1467.9	167.9	10384.73
	1/5/2015	14:30	1/5/2015 14:30		38	32	20	71	43.1		42.7	4.9	10389.61
	1/5/2015	15:47	1/5/2015 15:47		38	33.5	21.5	72	46.3		3444.4	394.0	10783.65
	1/5/2015	17:11	1/5/2015 17:11		38	32	22	64	47.8		3952.6	452.2	11235.83
	1/5/2015	17:12	1/5/2015 17:12			24					47.8	5.5	11241.29
SW-94 Event 12	1/7/2015	12:16	1/7/2015 12:16		31	31	0	72	0.0				11241.29
	1/7/2015	13:41	1/7/2015 13:41		30	28	10.5	70	20.9		886.2	101.4	11342.67
	1/7/2015	13:42	1/7/2015 13:42		36	32	20	70	42.3		31.6	3.6	11346.29
	1/7/2015	15:32	1/7/2015 15:32		36	31	21.5	72	45.4		4827.0	552.2	11898.50
	1/7/2015	16:48	1/7/2015 16:48		36	31	23	68	48.8		3580.0	409.6	12308.06
	1/7/2015	16:49	1/7/2015 16:49			22					48.8	5.6	12313.64
SW-94 Event 13	1/9/2015	7:49	1/9/2015 7:49		27	27	0	45	0.0				12313.64
	1/9/2015	7:59	1/9/2015 7:59		34	32	18	45	38.3		191.4	21.9	12335.54

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/24/2015	17:58	3/24/2015 17:58		40	29	24	64	53.1		2546.1	291.3	22249.60
	3/24/2015	17:59	3/24/2015 17:59			22					53.1	6.1	22255.67
SW-94 Event 20	3/30/2015	8:10	3/30/2015 8:10		30	30	5	58	10.0				22255.67
	3/30/2015	8:14	3/30/2015 8:14		30	29	8.5	58	17.1		54.3	6.2	22261.88
	3/30/2015	9:04	3/30/2015 9:04		29	27.5	13	64	25.7		1068.8	122.3	22384.15
	3/30/2015	9:05	3/30/2015 9:05		30	27.5	14	64	28.0		26.8	3.1	22387.22
	3/30/2015	10:18	3/30/2015 10:18		30	27	15	71	29.8		2106.9	241.0	22628.25
	3/30/2015	10:19	3/30/2015 10:19		35	30	19	71	39.8		34.8	4.0	22632.23
	3/30/2015	11:06	3/30/2015 11:06		35	30	20	77	41.6		1913.0	218.9	22851.08
	3/30/2015	11:59	3/30/2015 11:59		35	29	20.5	80	42.5		2230.6	255.2	23106.26
	3/30/2015	12:55	3/30/2015 12:55		35	28	21	83	43.5		2408.1	275.5	23381.75
	3/30/2015	12:56	3/30/2015 12:56		38	30	24	83	51.2		47.3	5.4	23387.16
	3/30/2015	14:35	3/30/2015 14:35		38	29.5	24	70	51.8		5097.6	583.2	23970.33
	3/30/2015	16:00	3/30/2015 16:00		38	29	26	78	55.7		4569.3	522.7	24493.06
	3/30/2015	16:01	3/30/2015 16:01		40	30	26	78	56.8		56.2	6.4	24499.49
	3/30/2015	17:02	3/30/2015 17:02		40	29	28	78	61.1		3595.7	411.3	24910.84
	3/30/2015	17:54	3/30/2015 17:54		40	29	28	78	61.1		3178.7	363.6	25274.48
	3/30/2015	17:55	3/30/2015 17:55			24					61.1	7.0	25281.47
SW-94 Event 21	3/31/2015	7:53	3/31/2015 7:53		30	28	11	60	22.1				25281.47
	3/31/2015	8:35	3/31/2015 8:35		28	25	15	64	29.3		1078.1	123.3	25404.80
	3/31/2015	8:36	3/31/2015 8:36		36	30	24	64	51.1		40.2	4.6	25409.40
	3/31/2015	9:06	3/31/2015 9:06		36	29.5	24	65	51.1		1532.5	175.3	25584.71
	3/31/2015	10:43	3/31/2015 10:43		36	28	24	80	50.3		4916.6	562.5	26147.18
	3/31/2015	11:34	3/31/2015 11:34		36	27	24	86	50.0		2558.7	292.7	26439.90
	3/31/2015	11:35	3/31/2015 11:35		42	29.5	28	86	61.8		55.9	6.4	26446.29
	3/31/2015	13:04	3/31/2015 13:04		42	29.5	29	88	63.9		5590.9	639.6	27085.89
	3/31/2015	13:57	3/31/2015 13:57		42	29.5	28	88	61.7		3326.3	380.5	27466.41
	3/31/2015	15:18	3/31/2015 15:18		42	29	29.5	88	65.0		5128.1	586.7	28053.07
	3/31/2015	15:55	3/31/2015 15:55		42	29	29.5	90	64.8		2401.3	274.7	28327.78
	3/31/2015	15:56	3/31/2015 15:56			23.5					64.8	7.4	28335.20
Total CO2 Mass (lbs):												28335.20	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-95 Event 1	10/27/2014	8:13	10/27/2014 8:13		21	20	0	64	0.0				
	10/27/2014	8:41	10/27/2014 8:41		21	21	0	68	0.0		0.00	0.00	0.00
	10/27/2014	8:43	10/27/2014 8:43		28	26	9	68	17.5		17.50	2.00	2.00
	10/27/2014	8:58	10/27/2014 8:58		28	26	14	70	27.2		334.95	38.32	40.32
	10/27/2014	10:12	10/27/2014 10:12		28	24	16	80	30.7		2142.67	245.12	285.44
	10/27/2014	10:13	10/27/2014 10:13		32	26	19	80	38.2		34.48	3.94	289.39
	10/27/2014	11:10	10/27/2014 11:10		29	26	20	88	38.6		2188.77	250.40	539.78
	10/27/2014	12:15	10/27/2014 12:15		28.5	25	22	91	42.1		2622.10	299.97	839.75
	10/27/2014	13:30	10/27/2014 13:30		28	25	22	92	41.8		3145.80	359.88	1199.63
	10/27/2014	14:30	10/27/2014 14:30		28	25	22	92	41.8		2508.05	286.92	1486.55
	10/27/2014	15:30	10/27/2014 15:30		28.5	25	22	92	42.0		2515.46	287.77	1774.32
10/27/2014	16:30	10/27/2014 16:30		27	25	22	89	41.4		2503.99	286.46	2060.78	
SW-95 Event 2	10/30/2014	13:00	10/30/2014 13:00		28	25	0	88	0.0				2060.78
	10/30/2014	13:05	10/30/2014 13:05		22	20	21	88	37.1		92.75	10.61	2071.39
	10/30/2014	13:06	10/30/2014 13:06		29	26	28	88	54.0		45.56	5.21	2076.60
	10/30/2014	14:15	10/30/2014 14:15		29	24	28	98	53.5		3710.80	424.52	2501.11
	10/30/2014	15:40	10/30/2014 15:40		29	24	28	85	54.2		4577.77	523.70	3024.81
	10/30/2014	16:45	10/30/2014 16:45		29	25	27	80	52.5		3467.08	396.63	3421.44
	10/30/2014	16:46	10/30/2014 16:46			19		79			52.50	6.01	3427.45
SW-95 Event 3	11/7/2014	7:25	11/7/2014 7:25		25	26	10	60	18.9				3427.45
	11/7/2014	7:29	11/7/2014 7:29		24	21.5	12	60	22.4		82.51	9.44	3436.89
	11/7/2014	7:30	11/7/2014 7:30		33	25	26	60	53.9		38.13	4.36	3441.25
	11/7/2014	7:57	11/7/2014 7:57		32	23	27	62	55.3		1473.49	168.57	3609.82
	11/7/2014	9:02	11/7/2014 9:02		32	22	27	68	54.9		3580.98	409.66	4019.48
	11/7/2014	9:53	11/7/2014 9:53		32	22	26	72	52.7		2744.22	313.94	4333.42
	11/7/2014	9:54	11/7/2014 9:54		34	23	30	72	62.1		57.39	6.57	4339.99
	11/7/2014	11:28	11/7/2014 11:28		34	23.5	30	76	61.9		5826.23	666.52	5006.51
	11/7/2014	11:29	11/7/2014 11:29			19					61.86	7.08	5013.58
	SW-95 Event 4	11/21/2014	7:41	11/21/2014 7:41		24	24	0	42	0.0			
11/21/2014		7:48	11/21/2014 7:48		35	27	21	42	45.3		158.45	18.13	5031.71
11/21/2014		8:04	11/21/2014 8:04		35	26	22	52	46.9		737.71	84.39	5116.11
11/21/2014		9:52	11/21/2014 9:52		33	24	25	71	51.3		5302.82	606.64	5722.75
11/21/2014		9:53	11/21/2014 9:53		36	24.5	28	71	59.2		55.24	6.32	5729.07
11/21/2014		11:46	11/21/2014 11:46		35	24	28	78	58.2		6635.33	759.08	6488.15
11/21/2014		13:07	11/21/2014 13:07		38	24	30	79	64.2		4958.29	567.23	7055.38
11/21/2014		13:09	11/21/2014 13:09			20					128.41	14.69	7070.07
SW-95 Event 5	12/17/2014	7:38	12/17/2014 7:38		26	26	0	40	0.0				7070.07
	12/17/2014	7:50	12/17/2014 7:50		34	27.5	20	48	42.4		254.45	29.11	7099.18
	12/17/2014	9:31	12/17/2014 9:31		33	24	24	64	49.5		4643.81	531.25	7630.43
	12/17/2014	9:32	12/17/2014 9:32		36	25	28	64	59.6		54.59	6.24	7636.67
	12/17/2014	11:24	12/17/2014 11:24		36	24	28	74	59.0		6645.55	760.25	8396.92
	12/17/2014	12:31	12/17/2014 12:31		36	24	28	76	58.9		3952.06	452.12	8849.04
	12/17/2014	12:32	12/17/2014 12:32			21					58.93	6.74	8855.78
Total CO2 Mass (lbs):												8855.78	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-96 Event 1	10/22/2014	8:27	10/22/2014 8:27		6.5	11.5	0	66	0.0				
	10/22/2014	8:40	10/22/2014 8:40		16	18	0	68	0.0		0	0	0.00
	10/22/2014	9:32	10/22/2014 9:32		16	18	0	73	0.0		0	0	0.00
	10/22/2014	9:33	10/22/2014 9:33		23	23.5	6	73	10.9		5.45	0.62	0.62
	10/22/2014	10:44	10/22/2014 10:44		23	23.5	12	77	21.7		1157.71	132.44	133.07
	10/22/2014	10:46	10/22/2014 10:46		25	24	16	77	29.7		51.43	5.88	138.95
	10/22/2014	14:29	10/22/2014 14:29		25	23	19	84	35.1		7222.37	826.24	965.19
	10/22/2014	14:32	10/22/2014 14:32								105.17	12.03	977.22
SW-96 Event 2	10/29/2014	8:25	10/29/2014 8:25		28	28.5	0	70	0.0				977.22
	10/29/2014	9:00	10/29/2014 9:00		25	25	14	72	26.1		457.25	52.31	1029.53
	10/29/2014	9:03	10/29/2014 9:03		27	27	18	72	34.4		90.85	10.39	1039.92
	10/29/2014	10:00	10/29/2014 10:00		25	25	17	80	31.5		1878.89	214.95	1254.87
	10/29/2014	10:02	10/29/2014 10:02		29	29	22	80	42.8		74.26	8.50	1263.36
	10/29/2014	10:47	10/29/2014 10:47		22	22	22	82	39.1		1841.83	210.71	1474.07
	10/29/2014	12:15	10/29/2014 12:15		22	22	22	92	38.7		3423.42	391.64	1865.71
	10/29/2014	12:16	10/29/2014 12:16								38.72	4.43	1870.14
SW-96 Event 3	11/6/2014	7:46	11/6/2014 7:46		19	18	0	67	0.0				1870.14
	11/6/2014	7:52	11/6/2014 7:52		14	18	3	67	4.8		14.33	1.64	1871.78
	11/6/2014	7:53	11/6/2014 7:53		26	24	13	68	24.7		14.72	1.68	1873.46
	11/6/2014	8:35	11/6/2014 8:35		25	22	18	71	33.6		1224.13	140.04	2013.50
	11/6/2014	8:36	11/6/2014 8:36		32	25	22	71	44.6		39.13	4.48	2017.98
	11/6/2014	8:40	11/6/2014 8:40		35	27	24	72	50.2		189.64	21.70	2039.67
	11/6/2014	10:05	11/6/2014 10:05		35	25	24	82	49.7		4246.20	485.77	2525.44
	11/6/2014	12:05	11/6/2014 12:05		35	25	24	87	49.5		5951.49	680.85	3206.29
	11/6/2014	12:07	11/6/2014 12:07			20					98.96	11.32	3217.61
	11/20/2014	7:18	11/20/2014 7:18		26	26	0	34	0.0				3217.61
SW-96 Event 4	11/20/2014	7:26	11/20/2014 7:26		31	29	13	34	27.1		108.31	12.39	3230.00
	11/20/2014	7:50	11/20/2014 7:50		32	27	20	42	41.8		826.18	94.52	3324.52
	11/20/2014	9:05	11/20/2014 9:05		30	24	23	60	46.1		3296.11	377.07	3701.59
	11/20/2014	10:30	11/20/2014 10:30		30	24	24	70	47.7		3985.90	455.99	4157.58
	11/20/2014	12:08	11/20/2014 12:08		30	24	24	74	47.5		4661.59	533.29	4690.86
	11/20/2014	12:09	11/20/2014 12:09			18		74			47.47	5.43	4696.29
	11/23/2014	7:34	11/23/2014 7:34		26	26	0		0.0				4696.29
SW-96 Event 5	11/23/2014	7:57	11/23/2014 7:57		33	26	19	72	38.9		447.57	51.20	4747.50
	11/23/2014	8:22	11/23/2014 8:22		36	27	22	72	46.5		1067.51	122.12	4869.62
	11/23/2014	10:20	11/23/2014 10:20		34	24	24	74	49.6		5667.92	648.41	5518.03
	11/23/2014	10:49	11/23/2014 10:49		38	24	26	74	55.9		1529.74	175.00	5693.03
	11/23/2014	12:24	11/23/2014 12:24		38	24	27	80	57.7		5398.02	617.53	6310.56
	11/23/2014	12:25	11/23/2014 12:25			19					57.73	6.60	6317.17
	12/3/2014	12:03	12/3/2014 12:03		28.5	28.5	0	78	0.0				6317.17
SW-96 Event 6	12/3/2014	12:13	12/3/2014 12:13		33	29	18	80	36.6		182.93	20.93	6338.10
	12/3/2014	12:25	12/3/2014 12:25		33	28	20	82	40.6		462.96	52.96	6391.06
	12/3/2014	12:26	12/3/2014 12:26		37	30	23	82	48.6		44.59	5.10	6396.16
	12/3/2014	13:11	12/3/2014 13:11		36	26	28	82	58.6		2411.88	275.92	6672.08
	12/3/2014	15:13	12/3/2014 15:13		36	24	30	80	62.9		7410.47	847.76	7519.84
	12/3/2014	16:55	12/3/2014 16:55		36	23	30	74	63.3		6433.90	736.04	8255.88
	12/3/2014	16:56	12/3/2014 16:56			18					63.26	7.24	8263.11
Total CO ₂ Mass (lbs):												8263.11	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/18/2014	15:39	11/18/2014 15:39		36	35	10	64	21.3		2372.27	271.39	4026.88
	11/18/2014	17:03	11/18/2014 17:03		36	35	10	62	21.3		1790.60	204.84	4231.72
	11/18/2014	17:04	11/18/2014 17:04			31					21.34	2.44	4234.17
SW-97 Event 6	11/24/2014	7:22	11/24/2014 7:22		30	30	0	78	0.0				4234.17
	11/24/2014	7:25	11/24/2014 7:25		36	36	5.5	78	11.6		17.33	1.98	4236.15
	11/24/2014	7:55	11/24/2014 7:55		36	36	7	76	14.7		394.28	45.11	4281.25
	11/24/2014	10:10	11/24/2014 10:10		35	35.5	8	79	16.6		2116.21	242.09	4523.35
	11/24/2014	10:12	11/24/2014 10:12		37	36	12	79	25.4		42.05	4.81	4528.16
	11/24/2014	11:35	11/24/2014 11:35		37	36	12	79	25.4		2110.94	241.49	4769.65
	11/24/2014	12:02	11/24/2014 12:02		37	37	12	80	25.4		686.36	78.52	4848.17
	11/24/2014	12:40	11/24/2014 12:40		37	37	12	81	25.4		965.06	110.40	4958.57
	11/24/2014	14:23	11/24/2014 14:23		37	37	12	80	25.4		2615.81	299.25	5257.82
	11/24/2014	15:48	11/24/2014 15:48		37	37	12	77	25.5		2162.85	247.43	5505.25
	11/24/2014	17:00	11/24/2014 17:00		37	37	12	74	25.6		1837.40	210.20	5715.45
	11/24/2014	17:02	11/24/2014 17:02			33					51.11	5.85	5721.30
SW-97 Event 7	12/2/2014	7:37	12/2/2014 7:37		26	27	0	67	0.0				5721.30
	12/2/2014	8:47	12/2/2014 8:47		25	27	0	69	0.0		0.00	0.00	5721.30
	12/2/2014	8:47	12/2/2014 8:47		36	36.5	10	69	21.2		0.00	0.00	5721.30
	12/2/2014	10:21	12/2/2014 10:21		37	37	9	76	19.1		1895.07	216.80	5938.09
	12/2/2014	11:55	12/2/2014 11:55		37	37	9	79	19.1		1795.63	205.42	6143.51
	12/2/2014	13:00	12/2/2014 13:00		37	37	9	80	19.1		1239.26	141.77	6285.28
	12/2/2014	13:32	12/2/2014 13:32		37	37	9	82	19.0		609.22	69.69	6354.98
	12/2/2014	15:09	12/2/2014 15:09		37	37	9	80	19.1		1846.69	211.26	6566.24
	12/2/2014	17:14	12/2/2014 17:14		37	37	9	70	19.2		2393.69	273.84	6840.08
	12/2/2014	17:16	12/2/2014 17:16			32					38.49	4.40	6844.48
SW-97 Event 8	12/4/2014	12:48	12/4/2014 12:48		30	31	0	80	0.0				6844.48
	12/4/2014	13:18	12/4/2014 13:18		29	30	0	84	0.0		0.00	0.00	6844.48
	12/4/2014	13:19	12/4/2014 13:19		34	35.5	8	84	16.4		8.18	0.94	6845.42
	12/4/2014	15:07	12/4/2014 15:07		35	36	8	82	16.6		1778.83	203.50	7048.91
	12/4/2014	16:13	12/4/2014 16:13		35	36	8	78	16.6		1095.81	125.36	7174.28
	12/4/2014	17:14	12/4/2014 17:14		35	36	8	70	16.8		1018.70	116.54	7290.82
	12/4/2014	17:15	12/4/2014 17:15			31.5					16.77	1.92	7292.73
SW-97 Event 9	12/17/2014	7:42	12/17/2014 7:42		30	31	0	46	0.0				7292.73
	12/17/2014	8:00	12/17/2014 8:00		30	31.5	0	50	0.0		0.00	0.00	7292.73
	12/17/2014	8:01	12/17/2014 8:01		34	36	6	50	12.7		6.35	0.73	7293.46
	12/17/2014	9:20	12/17/2014 9:20		34	36	6	67	12.5		994.52	113.77	7407.23
	12/17/2014	11:23	12/17/2014 11:23		34	36	6	72	12.4		1531.46	175.20	7582.43
	12/17/2014	12:50	12/17/2014 12:50		34	36	6	71	12.4		1081.10	123.68	7706.11
	12/17/2014	12:51	12/17/2014 12:51			32					12.43	1.42	7707.53
SW-97 Event 10	1/8/2015	8:29	1/8/2015 8:29		27	29	0	42	0.0				7707.53
	1/8/2015	8:39	1/8/2015 8:39		27	29	0	42	0.0		0.00	0.00	7707.53
	1/8/2015	8:40	1/8/2015 8:40		33	35	0	42	0.0		0.00	0.00	7707.53
	1/8/2015	10:31	1/8/2015 10:31		32	34	<2	54	0.0		0.00	0.00	7707.53
	1/8/2015	10:32	1/8/2015 10:32		34	36	7	54	14.8		7.38	0.84	7708.37
	1/8/2015	11:32	1/8/2015 11:32		35	36	6	52	12.8		826.63	94.57	7802.94
	1/8/2015	13:07	1/8/2015 13:07		35	36	6	52	12.8		1216.21	139.13	7942.07
	1/8/2015	15:00	1/8/2015 15:00		35	36	6	52	12.8		1446.65	165.50	8107.57
	1/8/2015	17:00	1/8/2015 17:00		35	36	6	52	12.8		1536.26	175.75	8283.32
	1/8/2015	17:01	1/8/2015 17:01			32					12.80	1.46	8284.78
SW-97 Event 11	1/12/2015	8:29	1/12/2015 8:29		35	35	0	64	0.0				8284.78
	1/12/2015	8:54	1/12/2015 8:54		32	33	4	65	8.2		102.02	11.67	8296.46

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/12/2015	8:55	1/12/2015 8:55		36	37	8	65	17.0		12.59	1.44	8297.90
	1/12/2015	11:23	1/12/2015 11:23		36	37	8	64	17.0		2520.13	288.30	8586.20
	1/12/2015	12:53	1/12/2015 12:53		36	37	8	69	17.0		1529.49	174.97	8761.17
	1/12/2015	13:46	1/12/2015 13:46		36	37	8	68	17.0		898.91	102.84	8864.01
	1/12/2015	15:12	1/12/2015 15:12		36	37	8	66	17.0		1460.78	167.11	9031.12
	1/12/2015	16:14	1/12/2015 16:14		36	37	8	66	17.0		1054.16	120.60	9151.72
	1/12/2015	17:08	1/12/2015 17:08		36	37	8	65	17.0		918.59	105.09	9256.80
	1/12/2015	17:09	1/12/2015 17:09			33					17.02	1.95	9258.75
SW-97 Event 12	2/5/2015	8:33	2/5/2015 8:33		30	31	0	56	0.0				9258.75
	2/5/2015	9:16	2/5/2015 9:16		28	30	4	58	7.9		168.85	19.32	9278.07
	2/5/2015	9:17	2/5/2015 9:17		38	37	16	58	35.0		21.41	2.45	9280.52
	2/5/2015	12:00	2/5/2015 12:00		38	37	14.5	64	31.5		5415.84	619.57	9900.09
	2/5/2015	14:07	2/5/2015 14:07		38	37	14.5	68	31.4		3991.58	456.64	10356.73
	2/5/2015	15:26	2/5/2015 15:26		38	37	15	70	32.4		2518.22	288.08	10644.81
	2/5/2015	16:15	2/5/2015 16:15		38	37	15	70	32.4		1586.87	181.54	10826.35
	2/5/2015	17:04	2/5/2015 17:04		37	36.5	15	66	32.2		1582.29	181.01	11007.36
	2/5/2015	17:05	2/5/2015 17:05			32					32.20	3.68	11011.05
SW-97 Event 13	2/12/2015	8:06	2/12/2015 8:06		29	29	0	54	0.0				11011.05
	2/12/2015	8:40	2/12/2015 8:40		26	27	6	64	11.4		194.29	22.23	11033.27
	2/12/2015	8:41	2/12/2015 8:41		38	35	16	64	34.8		23.09	2.64	11035.91
	2/12/2015	10:18	2/12/2015 10:18		37	33	18	68	38.6		3555.60	406.76	11442.67
	2/12/2015	12:05	2/12/2015 12:05		37	33	18	70	38.5		4122.00	471.56	11914.23
	2/12/2015	14:20	2/12/2015 14:20		37	33	18	72	38.4		5190.43	593.79	12508.02
	2/12/2015	15:52	2/12/2015 15:52		37	33	18.5	72	39.5		3582.79	409.87	12917.89
	2/12/2015	16:55	2/12/2015 16:55		37	33	19	70	40.6		2523.16	288.65	13206.54
	2/12/2015	16:56	2/12/2015 16:56			28					40.62	4.65	13211.18
SW-97 Event 14	2/18/2015	8:31	2/18/2015 8:31		32	32	4	54	8.3				13211.18
	2/18/2015	8:59	2/18/2015 8:59		31	31	9	56	18.3		372.10	42.57	13253.75
	2/18/2015	9:00	2/18/2015 9:00		37	35.5	14	56	30.4		24.34	2.78	13256.54
	2/18/2015	10:42	2/18/2015 10:42		37	34	16	63	34.4		3304.88	378.08	13634.61
	2/18/2015	12:32	2/18/2015 12:32		37	34	16	64	34.4		3787.31	433.27	14067.88
	2/18/2015	14:42	2/18/2015 14:42		37	34	16	65	34.4		4471.46	511.53	14579.42
	2/18/2015	15:55	2/18/2015 15:55		37	34	16	66	34.3		2508.40	286.96	14866.38
	2/18/2015	17:03	2/18/2015 17:03		37	34	16	64	34.4		2337.76	267.44	15133.82
	2/18/2015	17:04	2/18/2015 17:04			29					34.41	3.94	15137.75
SW-97 Event 15	2/27/2015	7:51	2/27/2015 7:51		33	34	7	52	14.6				15137.75
	2/27/2015	8:18	2/27/2015 8:18		33	33.5	10.5	56	21.9		492.46	56.34	15194.09
	2/27/2015	8:19	2/27/2015 8:19		36	36	14.5	56	31.1		26.49	3.03	15197.12
	2/27/2015	9:40	2/27/2015 9:40		35	34	16	60	33.9		2632.15	301.12	15498.24
	2/27/2015	11:04	2/27/2015 11:04		35	33	18	60	38.1		3022.38	345.76	15844.00
	2/27/2015	11:50	2/27/2015 11:50			27					1752.47	200.48	16044.48
SW-97 Event 16	3/10/2015	8:03	3/10/2015 8:03		31	33	0	60	0.0				16044.48
	3/10/2015	8:53	3/10/2015 8:53		29	30.5	4	68	7.9		196.70	22.50	16066.99
	3/10/2015	8:57	3/10/2015 8:57		36	36	12	68	25.5		66.64	7.62	16074.61
	3/10/2015	10:18	3/10/2015 10:18		36	36	12.5	78	26.3		2094.26	239.58	16314.19
	3/10/2015	11:42	3/10/2015 11:42		36	35	14	80	29.4		2335.50	267.18	16581.38
	3/10/2015	11:43	3/10/2015 11:43			29.5					29.35	3.36	16584.73
Total CO2 Mass (lbs):												16584.73	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-98 Event 1	10/28/2014	8:15	10/28/2014 8:15		20	21	0	60	0.0				0.00
	10/28/2014	8:40	10/28/2014 8:40		25	26	0	60	0.0		0.0	0.00	0.00
	10/28/2014	9:15	10/28/2014 9:15		33	34	11	70	22.6		395.1	45.20	45.20
	10/28/2014	10:20	10/28/2014 10:20		35	35	8	80	16.6		1273.3	145.67	190.87
	10/28/2014	11:20	10/28/2014 11:20		34	35	14	81	28.7		1360.0	155.58	346.45
	10/28/2014	13:00	10/28/2014 13:00		34	35	12	81	24.6		2667.8	305.19	651.64
	10/28/2014	14:05	10/28/2014 14:05		34	35	12	80	24.6		1601.4	183.20	834.84
	10/28/2014	15:20	10/28/2014 15:20		34	35	12	80	24.6		1848.7	211.49	1046.33
	10/28/2014	16:30	10/28/2014 16:30		34	35	12	82	24.6		1723.8	197.20	1243.53
	10/28/2014	16:32	10/28/2014 16:32								49.2	5.63	1249.16
SW-98 Event 2	11/5/2014	8:35	11/5/2014 8:35		29	29	0	68	0.0				1249.16
	11/5/2014	8:36	11/5/2014 8:36		33	33	0	68	0.0		0.0	0.00	1249.16
	11/5/2014	8:42	11/5/2014 8:42		31	30	5	69	10.1		30.2	3.45	1252.61
	11/5/2014	8:43	11/5/2014 8:43		35	34	9	69	18.9		14.5	1.65	1254.26
	11/5/2014	9:33	11/5/2014 9:33		35	34	12	76	25.0		1097.0	125.50	1379.76
	11/5/2014	11:09	11/5/2014 11:09		35	33.5	14	77	29.1		2598.7	297.30	1677.06
	11/5/2014	13:35	11/5/2014 13:35		35	32	15.5	77	32.3		4482.3	512.77	2189.83
	11/5/2014	13:36	11/5/2014 13:36			25					32.3	3.69	2193.52
SW-98 Event 3	11/17/2014	7:55	11/17/2014 7:55		35	33	2	64	4.2				2193.52
	11/17/2014	8:05	11/17/2014 8:05		33	33	9	64	18.6		114.0	13.04	2206.56
	11/17/2014	8:32	11/17/2014 8:32		32	32	12	69	24.4		580.1	66.36	2272.92
	11/17/2014	9:50	11/17/2014 9:50		32	32	12	75	24.2		1896.8	216.99	2489.92
	11/17/2014	11:00	11/17/2014 11:00		29	29	15	75	29.3		1874.3	214.42	2704.34
	11/17/2014	12:30	11/17/2014 12:30		29	29	15	70	29.4		2643.9	302.46	3006.80
	11/17/2014	12:31	11/17/2014 12:31			21		70			29.4	3.37	3010.16
SW-98 Event 4	11/20/2014	7:18	11/20/2014 7:18		40	39	12	31	27.5				3010.16
	11/20/2014	7:20	11/20/2014 7:20		35	34	12	31	26.2		53.7	6.14	3016.30
	11/20/2014	7:39	11/20/2014 7:39		35	34	15	50	32.1		553.3	63.30	3079.60
	11/20/2014	8:48	11/20/2014 8:48		35	30	19	58	40.3		2496.6	285.61	3365.21
	11/20/2014	10:09	11/20/2014 10:09		34	28	22	62	46.0		3494.6	399.79	3765.00
	11/20/2014	11:31	11/20/2014 11:31		32	28	23	64	47.0		3811.7	436.06	4201.06
	11/20/2014	11:32	11/20/2014 11:32			19		64			47.0	5.37	4206.43
SW-98 Event 5	11/25/2014	7:24	11/25/2014 7:24		28	28	0	66	0.0				4206.43
	11/25/2014	7:43	11/25/2014 7:43		26	27	0	65	0.0		0.0	0.00	4206.43
	11/25/2014	7:44	11/25/2014 7:44		35	35	11	65	23.2		11.6	1.33	4207.76
	11/25/2014	9:47	11/25/2014 9:47		34	32	14	68	29.1		3214.0	367.68	4575.44
	11/25/2014	9:47	11/25/2014 9:47		38	34	18	68	38.9		0.0	0.00	4575.44
	11/25/2014	11:09	11/25/2014 11:09		38	34	19	69	41.1		3280.0	375.23	4950.67
	11/25/2014	12:42	11/25/2014 12:42		39	34	19	71	41.4		3833.3	438.53	5389.20
	11/25/2014	12:43	11/25/2014 12:43			27.5					41.4	4.73	5393.93
SW-98 Event 6	12/2/2014	7:58	12/2/2014 7:58		30	30	0	64	0.0				5393.93
	12/2/2014	8:42	12/2/2014 8:42		29	28.5	0	66	0.0		0.0	0.00	5393.93
	12/2/2014	8:42	12/2/2014 8:42		35	34	6	66	12.6		0.0	0.00	5393.93
	12/2/2014	10:23	12/2/2014 10:23		35	33.5	8	74	16.7		1480.8	169.41	5563.34
	12/2/2014	10:24	12/2/2014 10:24		37	35	12	74	25.6		21.1	2.42	5565.76
	12/2/2014	11:58	12/2/2014 11:58		37	34.5	14	74	29.8		2602.5	297.73	5863.48
	12/2/2014	13:02	12/2/2014 13:02		37	34	15	74	31.9		1976.4	226.10	6089.58
	12/2/2014	13:03	12/2/2014 13:03			28					31.9	3.65	6093.24
		12/4/2014	12:40	12/4/2014 12:40		30	30	0	78	0.0			
SW-98 Event 7	12/4/2014	13:15	12/4/2014 13:15		30	30	0	80	0.0		0.0	0.00	6093.24
	12/4/2014	13:16	12/4/2014 13:16		35	35.5	8	80	16.6		8.3	0.95	6094.19

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/4/2014	15:04	12/4/2014 15:04		35	35	8	76	16.7		1796.6	205.53	6299.72
	12/4/2014	16:11	12/4/2014 16:11		35	35	10	74	20.9		1257.7	143.88	6443.59
	12/4/2014	17:08	12/4/2014 17:08		35	34.5	12	67	25.2		1313.8	150.29	6593.89
	12/4/2014	17:09	12/4/2014 17:09			27.5					25.2	2.89	6596.77
SW-98 Event 8	12/12/2014	7:35	12/12/2014 7:35		30	30	0	36	0.0				6596.77
	12/12/2014	7:53	12/12/2014 7:53		36	35	6	39	13.1		118.0	13.50	6610.27
	12/12/2014	9:40	12/12/2014 9:40		36	34.5	10	62	21.3		1842.9	210.82	6821.09
	12/12/2014	11:05	12/12/2014 11:05		35	33	12	66	25.2		1979.9	226.50	7047.59
	12/12/2014	11:32	12/12/2014 11:32		35	33	12	67	25.2		681.3	77.94	7125.53
	12/12/2014	11:33	12/12/2014 11:33			27					25.2	2.89	7128.42
SW-98 Event 9	12/17/2014	12:38	12/17/2014 12:38		30	30	0	67	0.0				7128.42
	12/17/2014	12:54	12/17/2014 12:54		30	30	0	69	0.0		0.0	0.00	7128.42
	12/17/2014	12:55	12/17/2014 12:55		35	35.5	6	69	12.6		6.3	0.72	7129.14
	12/17/2014	14:07	12/17/2014 14:07		35	35.5	4	70	8.4		754.9	86.36	7215.49
	12/17/2014	15:19	12/17/2014 15:19		35	35	6	70	12.6		754.4	86.31	7301.80
	12/17/2014	16:57	12/17/2014 16:57		35	34.5	8	63	16.9		1443.3	165.11	7466.91
	12/17/2014	16:58	12/17/2014 16:58			29					16.9	1.93	7468.85
SW-98 Event 10	12/19/2014	7:29	12/19/2014 7:29		30	31	0	45	0.0				7468.85
	12/19/2014	7:44	12/19/2014 7:44		30	30	0	48	0.0		0.0	0.00	7468.85
	12/19/2014	7:45	12/19/2014 7:45		35	35	6	48	12.9		6.4	0.74	7469.58
	12/19/2014	9:27	12/19/2014 9:27		35	35	6.5	61	13.7		1356.5	155.19	7624.77
	12/19/2014	10:34	12/19/2014 10:34		35	34	8	64	16.9		1025.4	117.30	7742.07
	12/19/2014	10:35	12/19/2014 10:35		37	35.5	13	64	28.0		22.4	2.56	7744.63
	12/19/2014	11:41	12/19/2014 11:41		37	35.5	13	64	28.0		1845.4	211.11	7955.75
	12/19/2014	11:42	12/19/2014 11:42			29					28.0	3.20	7958.94
SW-98 Event 11	1/5/2015	8:12	1/5/2015 8:12		31	31	0	53	0.0				7958.94
	1/5/2015	8:28	1/5/2015 8:28		30	30.5	0	54	0.0		0.0	0.00	7958.94
	1/5/2015	8:29	1/5/2015 8:29		34	34	4	54	8.4		4.2	0.48	7959.43
	1/5/2015	9:50	1/5/2015 9:50		34	34	4	60	8.4		680.8	77.88	8037.31
	1/5/2015	10:42	1/5/2015 10:42		34	33	6	63	12.5		543.7	62.19	8099.50
	1/5/2015	10:43	1/5/2015 10:43			28					12.5	1.43	8100.93
SW-98 Event 12	1/19/2015	8:10	1/19/2015 8:10		29	29	0	52	0.0				8100.93
	1/19/2015	8:49	1/19/2015 8:49		36	36.5	8	60	17.1		333.5	38.16	8139.09
	1/19/2015	10:51	1/19/2015 10:51		36	37	6	70	12.7		1818.2	208.00	8347.09
	1/19/2015	14:06	1/19/2015 14:06		36	35.5	9	72	19.0		3092.4	353.77	8700.86
	1/19/2015	16:03	1/19/2015 16:03		36	36	10	72	21.1		2348.4	268.66	8969.52
	1/19/2015	17:03	1/19/2015 17:03		35	35	10.5	69	22.0		1294.6	148.10	9117.62
	1/19/2015	17:04	1/19/2015 17:04			27					22.0	2.52	9120.14
SW-98 Event 13	1/21/2015	8:17	1/21/2015 8:17		32	34.5	0	58	0.0				9120.14
	1/21/2015	8:40	1/21/2015 8:40		36	36	7	66	14.9		171.1	19.57	9139.71
	1/21/2015	10:20	1/21/2015 10:20		35	35	8	70	16.8		1582.1	180.99	9320.71
	1/21/2015	12:07	1/21/2015 12:07		35	35	9	74	18.8		1902.0	217.59	9538.30
	1/21/2015	13:23	1/21/2015 13:23		35	35	11	72	23.0		1588.2	181.69	9719.99
	1/21/2015	15:03	1/21/2015 15:03		35	34	11	72	23.0		2300.7	263.20	9983.19
	1/21/2015	16:53	1/21/2015 16:53		35	33	12	72	25.1		2645.8	302.68	10285.87
	1/21/2015	17:14	1/21/2015 17:14		35	33	12	70	25.1		527.6	60.36	10346.22
	1/21/2015	17:15	1/21/2015 17:15			29					25.1	2.88	10349.10
SW-98 Event 14	1/26/2015	8:54	1/26/2015 8:54		29	31	0	66					10349.10
	1/26/2015	9:41	1/26/2015 9:41		28	30	3	67	5.8		274.4	31.39	10380.49
	1/26/2015	9:42	1/26/2015 9:42		37	36	16	67	34.3		20.1	2.30	10382.78
	1/26/2015	11:14	1/26/2015 11:14		36	37	15	68	31.8		3041.9	347.99	10730.77

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/26/2015	12:30	1/26/2015 12:30		36	36	16	68	33.9		2498.7	285.85	11016.62
	1/26/2015	14:10	1/26/2015 14:10		36	36	16	66	34.0		3397.2	388.63	11405.26
	1/26/2015	15:06	1/26/2015 15:06		36	36	16	64	34.1		1906.2	218.07	11623.32
	1/26/2015	16:08	1/26/2015 16:08		36	35.5	16	63	34.1		2113.6	241.79	11865.12
	1/26/2015	17:46	1/26/2015 17:46		36	36	16	60	34.2		3347.5	382.95	12248.07
	1/26/2015	17:47	1/26/2015 17:47			31					34.2	3.91	12251.98
Total CO2 Mass (lbs):												12251.98	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-99 Event 1	10/28/2014	8:15	10/28/2014 8:15		20	20	0	62	0.0				
	10/28/2014	8:40	10/28/2014 8:40		20	17	0	70	0.0		0.0	0.00	0.00
	10/28/2014	9:15	10/28/2014 9:15		30	28	0	78	0.0		0.0	0.00	0.00
	10/28/2014	10:20	10/28/2014 10:20		33	28	10	80	20.3		660.6	75.57	75.57
	10/28/2014	11:20	10/28/2014 11:20		35	33	11	81	22.8		1294.0	148.03	223.60
	10/28/2014	13:00	10/28/2014 13:00		34	33	12	84	24.6		2368.1	270.91	494.52
	10/28/2014	14:05	10/28/2014 14:05		34	32	12	84	24.6		1596.1	182.59	677.11
	10/28/2014	15:05	10/28/2014 15:05		34	33	12	84	24.6		1473.3	168.55	845.65
	10/28/2014	16:30	10/28/2014 16:30		34	33	12	82	24.6		2089.2	239.00	1084.65
10/28/2014	16:45	10/28/2014 16:45								369.0	42.22	1126.87	
SW-99 Event 2	11/3/2014	12:29	11/3/2014 12:29		24	24	0	78	0.0				1126.87
	11/3/2014	12:34	11/3/2014 12:34		36	35	4	78	8.4		21.0	2.40	1129.27
	11/3/2014	12:41	11/3/2014 12:41		36	35	7	78	14.7		80.9	9.25	1138.53
	11/3/2014	13:07	11/3/2014 13:07		35	34	8	76	16.7		407.8	46.65	1185.18
	11/3/2014	14:15	11/3/2014 14:15		35	34	8	78	16.6		1132.3	129.53	1314.71
	11/3/2014	15:26	11/3/2014 15:26		35	34	8	79	16.6		1180.5	135.05	1449.76
	11/3/2014	16:27	11/3/2014 16:27		35	34	8	76	16.7		1015.2	116.14	1565.91
	11/3/2014	16:54	11/3/2014 16:54		35	33	8	74	16.7		450.5	51.53	1617.44
	11/3/2014	16:55	11/3/2014 16:55			27					16.7	1.91	1619.35
SW-99 Event 3	11/5/2014	13:40	11/5/2014 13:40		29.5	29.5	0	78	0.0				1619.35
	11/5/2014	13:42	11/5/2014 13:42		34	34	0	78	0.0		0.0	0.00	1619.35
	11/5/2014	14:08	11/5/2014 14:08								0.0	0.00	1619.35
SW-99 Event 4	11/14/2014	7:26	11/14/2014 7:26		29	28.5	0	49	0				1619.35
	11/14/2014	7:27	11/14/2014 7:27		36	35	3	49	6.5		3.24	0.37	1619.72
	11/14/2014	8:28	11/14/2014 8:28		35	33.5	6	57	12.7		586.32	67.08	1686.80
	11/14/2014	8:29	11/14/2014 8:29		38	36.5	13	57	28.4		20.59	2.35	1689.15
	11/14/2014	9:51	11/14/2014 9:51		37	36	12	60	25.9		2228.22	254.91	1944.06
	11/14/2014	11:24	11/14/2014 11:24		36	34	13.5	68	28.6		2536.50	290.18	2234.23
	11/14/2014	12:28	11/14/2014 12:28		39	35	18	67	39.4		2175.59	248.89	2483.12
11/14/2014	12:30	11/14/2014 12:30			30					78.70	9.00	2492.13	
SW-99 Event 5	11/17/2014	12:35	11/17/2014 12:35		35	34	0	70	0.0				2492.13
	11/17/2014	13:01	11/17/2014 13:01		33	33	12	72	24.6		319.54	36.56	2528.68
	11/17/2014	14:28	11/17/2014 14:28		35	33	13	70	27.2		2254.33	257.89	2786.58
	11/17/2014	15:33	11/17/2014 15:33		35	32	14	70	29.3		1838.92	210.37	2996.95
	11/17/2014	16:56	11/17/2014 16:56		35	32	16	68	33.6		2611.80	298.79	3295.74
	11/17/2014	16:57	11/17/2014 16:57			28					33.60	3.84	3299.58
SW-99 Event 6	11/19/2014	11:49	11/19/2014 11:49		35	34	10	61	21.1				3299.58
	11/19/2014	12:21	11/19/2014 12:21		35	32	14	60	29.6		812.40	92.94	3392.52
	11/19/2014	12:22	11/19/2014 12:22		37	34	18	60	38.9		34.25	3.92	3396.44
	11/19/2014	13:51	11/19/2014 13:51		38	34	18	62	39.2		3472.86	397.29	3793.73
	11/19/2014	15:22	11/19/2014 15:22		37	34	19	64	40.9		3641.70	416.61	4210.34
	11/19/2014	16:30	11/19/2014 16:30		38	34	20	62	43.5		2869.25	328.24	4538.59
	11/19/2014	16:31	11/19/2014 16:31			27		62			43.52	4.98	4543.57
SW-99 Event 7	11/21/2014	7:24	11/21/2014 7:24		26	26	0	42	0.0				4543.57
	11/21/2014	7:27	11/21/2014 7:27		36	35	7	42	15.2		22.87	2.62	4546.18
	11/21/2014	8:12	11/21/2014 8:12		34	32.5	10.5	54	22.1		840.89	96.20	4642.38
	11/21/2014	8:13	11/21/2014 8:13		38	35	16	54	35.1		28.62	3.27	4645.65
	11/21/2014	10:20	11/21/2014 10:20		35	33	16	70	33.5		4358.14	498.57	5144.22
	11/21/2014	10:22	11/21/2014 10:22		37	33.5	16.5	70	35.3		68.81	7.87	5152.10
	11/21/2014	12:09	11/21/2014 12:09		36	33	17.5	70	37.0		3869.39	442.66	5594.75
	11/21/2014	12:33	11/21/2014 12:33		38	33	20	70	43.2		962.72	110.14	5704.89

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/13/2015	8:04	2/13/2015 8:04			28.5					43.07	4.93	13939.37
											Total CO2 Mass (lbs):	13939.37	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-100 Event 1	10/23/2014	9:15	10/23/2014 9:15		15	18	0	72	0.0				
	10/23/2014	9:47	10/23/2014 9:47		15	18	0	75	0.0		0.00	0.00	0.00
	10/23/2014	9:49	10/23/2014 9:49		20	23	0	75	0.0		0.00	0.00	0.00
	10/23/2014	10:55	10/23/2014 10:55		21	23	0	81	0.0		0.00	0.00	0.00
	10/23/2014	10:56	10/23/2014 10:56		26	28	0	81	0.0		0.00	0.00	0.00
	10/23/2014	11:34	10/23/2014 11:34		26	28	0	84	0.0		0.00	0.00	0.00
	10/23/2014	11:35	10/23/2014 11:35		32	33.5	4	84	8.0		4.01	0.46	0.46
	10/23/2014	12:59	10/23/2014 12:59		32	33.5	4	85	8.0		672.76	76.96	77.42
	10/23/2014	13:01	10/23/2014 13:01		33	34.5	5	85	10.1		18.12	2.07	79.49
	10/23/2014	13:48	10/23/2014 13:48		33	34.5	5	84	10.1		475.61	54.41	133.90
	10/23/2014	15:14	10/23/2014 15:14		33	34.5	5	83	10.1		871.09	99.65	233.56
	10/23/2014	15:16	10/23/2014 15:16		35	36	8.5	83	17.6		27.72	3.17	236.73
	10/23/2014	16:20	10/23/2014 16:20		36	36	8	86	16.7		1096.51	125.44	362.17
	10/23/2014	16:42	10/23/2014 16:42		36	36	8	86	16.7		366.87	41.97	404.14
	10/23/2014	16:45	10/23/2014 16:45								50.03	5.72	409.86
SW-100 Event 2	10/29/2014	7:50	10/29/2014 7:50		34	34	0	62	0.0				409.86
	10/29/2014	8:50	10/29/2014 8:50		34	34	4	70	8.3		248.89	28.47	438.34
	10/29/2014	10:19	10/29/2014 10:19		34	34	4	80	8.2		734.82	84.06	522.40
	10/29/2014	11:30	10/29/2014 11:30		33	34	4	88	8.1		578.12	66.14	588.54
	10/29/2014	11:31	10/29/2014 11:31		36	35	9	88	18.7		13.40	1.53	590.07
	10/29/2014	12:01	10/29/2014 12:01		36	35	8	90	16.6		530.07	60.64	650.71
	10/29/2014	13:14	10/29/2014 13:14		36	35	8	92	16.6		1211.60	138.61	789.32
	10/29/2014	14:07	10/29/2014 14:07		36	35	9	92	18.7		933.75	106.82	896.14
	10/29/2014	15:08	10/29/2014 15:08		36	35	10	92	20.7		1201.13	137.41	1033.55
	10/29/2014	15:13	10/29/2014 15:13		36	35	10	92	20.7		103.64	11.86	1045.40
	10/29/2014	15:14	10/29/2014 15:14			32					20.73	2.37	1047.77
	SW-100 Event 3	11/6/2014	8:16	11/6/2014 8:16		21	24	0	68	0.0			
11/6/2014		8:18	11/6/2014 8:18		33	35	0	68	0.0		0.00	0.00	1047.77
11/6/2014		8:31	11/6/2014 8:31		33	34	3	69	6.2		40.06	4.58	1052.36
11/6/2014		9:49	11/6/2014 9:49		33	33.5	5	84	10.1		635.21	72.67	1125.02
11/6/2014		9:50	11/6/2014 9:50		35	35	7.5	84	15.5		12.82	1.47	1126.49
11/6/2014		11:07	11/6/2014 11:07		35	35.5	7	86	14.4		1153.10	131.91	1258.40
11/6/2014		11:11	11/6/2014 11:11		35	35.5	7	86	14.4		57.78	6.61	1265.01
11/6/2014		13:22	11/6/2014 13:22		35	35.5	7	86	14.4		1892.25	216.47	1481.49
11/6/2014		14:50	11/6/2014 14:50		35	35.5	7.5	83	15.5		1318.48	150.83	1632.32
11/6/2014		16:18	11/6/2014 16:18		35	35.5	8	83	16.6		1411.35	161.46	1793.78
11/6/2014		17:06	11/6/2014 17:06		35	35.5	8	80	16.6		795.80	91.04	1884.82
11/6/2014		17:07	11/6/2014 17:07			31					16.60	1.90	1886.72
SW-100 Event 4	11/12/2014	7:42	11/12/2014 7:42		20	21	0	64	0.0				1886.72
	11/12/2014	7:44	11/12/2014 7:44		34	35	0	64	0.0		0.00	0.00	1886.72
	11/12/2014	8:11	11/12/2014 8:11		33	34	5.5	67	11.3		152.84	17.48	1904.20
	11/12/2014	8:13	11/12/2014 8:13		35	35	8	67	16.8		28.14	3.22	1907.42
	11/12/2014	9:05	11/12/2014 9:05		35	35	8	70	16.8		873.07	99.88	2007.30
	11/12/2014	9:06	11/12/2014 9:06		36	36	10	70	21.2		18.97	2.17	2009.47
	11/12/2014	11:06	11/12/2014 11:06		36	35	10	83	20.9		2524.45	288.80	2298.27
	11/12/2014	11:07	11/12/2014 11:07		37	35.5	12	83	25.3		23.12	2.64	2300.91
	11/12/2014	12:10	11/12/2014 12:10		37	36	12	90	25.2		1590.84	181.99	2482.91
	11/12/2014	13:24	11/12/2014 13:24		40	36.5	14	84	30.4		2055.54	235.15	2718.06
	11/12/2014	14:55	11/12/2014 14:55		40	37	16	90	34.5		2953.81	337.92	3055.98
	11/12/2014	16:07	11/12/2014 16:07		40	37	16	87	34.6		2489.78	284.83	3340.81
	11/12/2014	17:10	11/12/2014 17:10		40	37	16	79	34.9		2190.08	250.54	3591.35

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/12/2014	17:11	11/12/2014 17:11			32.5					34.90	3.99	3595.34
SW-100 Event 5	11/19/2014	7:27	11/19/2014 7:27		26	26	0	36	0.0				3595.34
	11/19/2014	7:32	11/19/2014 7:32		36	35	8	38	17.5		43.74	5.00	3600.35
	11/19/2014	9:04	11/19/2014 9:04		36	33	10	51	21.6		1797.32	205.61	3805.96
	11/19/2014	10:34	11/19/2014 10:34		35	33	11	60	23.3		2018.62	230.93	4036.89
	11/19/2014	12:37	11/19/2014 12:37		35	33	12	66	25.2		2984.51	341.43	4378.32
	11/19/2014	14:04	11/19/2014 14:04		35	33	12	68	25.2		2194.31	251.03	4629.35
	11/19/2014	15:15	11/19/2014 15:15		35	32	12	66	25.2		1790.76	204.86	4834.21
	11/19/2014	17:02	11/19/2014 17:02		35	32	13	60	27.5		2822.74	322.92	5157.13
	11/19/2014	17:03	11/19/2014 17:03			29					27.51	3.15	5160.28
SW-100 Event 6	11/23/2014	7:44	11/23/2014 7:44		29	28	0	70	0.0				5160.28
	11/23/2014	7:46	11/23/2014 7:46		35	34	8	70	16.8		16.77	1.92	5162.20
	11/23/2014	8:33	11/23/2014 8:33		34	33	11	70	22.8		930.14	106.41	5268.61
	11/23/2014	8:34	11/23/2014 8:34		37	35.5	15	70	32.1		27.44	3.14	5271.75
	11/23/2014	10:07	11/23/2014 10:07		37	34	15.5	71	33.1		3030.81	346.73	5618.47
	11/23/2014	10:59	11/23/2014 10:59		38	34	16	74	34.4		1755.43	200.82	5819.29
	11/23/2014	12:41	11/23/2014 12:41		38	34	17	82	36.3		3605.00	412.41	6231.70
	11/23/2014	13:56	11/23/2014 13:56		38	34	17	80	36.3		2723.43	311.56	6543.26
	11/23/2014	13:57	11/23/2014 13:57		40	35	20	80	43.6		39.96	4.57	6547.84
	11/23/2014	15:54	11/23/2014 15:54		40	35	20	76	43.7		5108.61	584.42	7132.26
	11/23/2014	17:01	11/23/2014 17:01		41	35	21	70	46.6		3027.81	346.38	7478.64
	11/23/2014	17:02	11/23/2014 17:02			31					46.63	5.33	7483.98
SW-100 Event 7	12/1/2014	12:18	12/1/2014 12:18		34	34	0	86	0.0				7483.98
	12/1/2014	12:30	12/1/2014 12:30		32	32	6	86	12.0		71.98	8.23	7492.21
	12/1/2014	12:31	12/1/2014 12:31		38	35	12	86	25.5		18.75	2.15	7494.36
	12/1/2014	14:50	12/1/2014 14:50		38	35	14	82	29.9		3849.28	440.36	7934.72
	12/1/2014	16:06	12/1/2014 16:06		38	35	14	82	29.9		2270.54	259.75	8194.47
	12/1/2014	17:06	12/1/2014 17:06		38	35	14	70	30.2		1803.05	206.27	8400.73
	12/1/2014	17:07	12/1/2014 17:07			30					30.23	3.46	8404.19
SW-100 Event 8	12/4/2014	8:07	12/4/2014 8:07		29	29	0	60	0.0				8404.19
	12/4/2014	8:17	12/4/2014 8:17		37	37	11	60	23.8		118.77	13.59	8417.78
	12/4/2014	8:28	12/4/2014 8:28		38	37.5	10	62	21.8		250.34	28.64	8446.42
	12/4/2014	10:03	12/4/2014 10:03		38	37	12.5	74	26.9		2310.60	264.33	8710.75
	12/4/2014	12:30	12/4/2014 12:30		37	35	16	78	33.9		4470.66	511.44	9222.19
	12/4/2014	12:31	12/4/2014 12:31			29					33.94	3.88	9226.08
SW-100 Event 9	12/16/2014	7:40	12/16/2014 7:40		31	31	0	50	0.0				9226.08
	12/16/2014	7:59	12/16/2014 7:59		36	36	13	56	27.9		265.12	30.33	9256.41
	12/16/2014	10:01	12/16/2014 10:01		37	35	13	72	27.7		3394.51	388.33	9644.74
	12/16/2014	11:02	12/16/2014 11:02		37	34.5	14	78	29.7		1751.95	200.42	9845.16
	12/16/2014	11:03	12/16/2014 11:03		40	36	18	78	39.3		34.50	3.95	9849.11
	12/16/2014	12:12	12/16/2014 12:12		40	36	18	80	39.2		2708.85	309.89	10159.00
	12/16/2014	12:13	12/16/2014 12:13			32					39.22	4.49	10163.49
SW-100 Event 10	1/5/2015	14:05	1/5/2015 14:05		32	32	0	68	0.0				10163.49
	1/5/2015	14:35	1/5/2015 14:35		30	30.5	5	70	9.9		148.94	17.04	10180.53
	1/5/2015	14:36	1/5/2015 14:36		35	35	10	70	21.0		15.44	1.77	10182.29
	1/5/2015	15:51	1/5/2015 15:51		35	35	10	72	20.9		1570.19	179.63	10361.92
	1/5/2015	17:08	1/5/2015 17:08		36	35	10	64	21.3		1625.12	185.91	10547.84
	1/5/2015	17:09	1/5/2015 17:09			31					21.30	2.44	10550.27
SW-100 Event 11	1/28/2015	7:36	1/28/2015 7:36		24	25	0	42	0.0				10550.27
	1/28/2015	8:09	1/28/2015 8:09		22	20	0	48	0.0		0.00	0.00	10550.27
	1/28/2015	8:10	1/28/2015 8:10		38	35.5	7	48	15.5		7.73	0.88	10551.16

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/28/2015	9:23	1/28/2015 9:23		36	35	8	57	17.2		1190.20	136.16	10687.31
	1/28/2015	10:28	1/28/2015 10:28		36	34	10	60	21.4		1252.45	143.28	10830.60
	1/28/2015	12:27	1/28/2015 12:27		36	34	10	69	21.2		2532.98	289.77	11120.37
	1/28/2015	12:28	1/28/2015 12:28			29					21.19	2.42	11122.79
SW-100 Event 12	2/4/2015	7:55	2/4/2015 7:55		28	27	0	52	0.0				11122.79
	2/4/2015	8:19	2/4/2015 8:19		27	26	4	53	7.8		93.58	10.71	11133.50
	2/4/2015	8:20	2/4/2015 8:20		37	34	11	53	23.9		15.86	1.81	11135.31
	2/4/2015	9:19	2/4/2015 9:19		38	35	11	55	24.1		1416.91	162.09	11297.41
	2/4/2015	12:45	2/4/2015 12:45		37	34	12	64	25.8		5141.53	588.19	11885.60
	2/4/2015	12:46	2/4/2015 12:46			28					25.81	2.95	11888.55
SW-100 Event 13	2/11/2015	13:04	2/11/2015 13:04		30	30	0	75	0.0				11888.55
	2/11/2015	13:18	2/11/2015 13:18		30	30	<2	74	0.0		0.00	0.00	11888.55
	2/11/2015	13:19	2/11/2015 13:19		36	36	8	74	16.9		8.43	0.96	11889.52
	2/11/2015	13:42	2/11/2015 13:42		36	36	8	72	16.9		388.38	44.43	11933.95
	2/11/2015	14:57	2/11/2015 14:57		36	36	9	74	19.0		1345.53	153.93	12087.87
	2/11/2015	16:16	2/11/2015 16:16		36	35	10	75	21.1		1581.76	180.95	12268.83
	2/11/2015	17:13	2/11/2015 17:13		36	34.5	11	73	23.2		1262.11	144.39	12413.21
	2/11/2015	17:14	2/11/2015 17:14			32					23.22	2.66	12415.87
SW-100 Event 14	2/17/2015	7:43	2/17/2015 7:43		32	32	0	66	0.0				12415.87
	2/17/2015	8:18	2/17/2015 8:18		28	30	4	66	7.8		136.35	15.60	12431.47
	2/17/2015	8:19	2/17/2015 8:19		36	35	11	66	23.4		15.58	1.78	12433.25
	2/17/2015	10:00	2/17/2015 10:00		36	35	11	61	23.5		2367.13	270.80	12704.05
	2/17/2015	12:59	2/17/2015 12:59		36	34	12	57	25.7		4406.06	504.05	13208.10
	2/17/2015	14:44	2/17/2015 14:44		36	34	12	56	25.8		2703.48	309.28	13517.38
	2/17/2015	16:56	2/17/2015 16:56		36	34	13	54	28.0		3545.80	405.64	13923.02
	2/17/2015	16:57	2/17/2015 16:57			28					27.96	3.20	13926.22
SW-100 Event 15	2/19/2015	7:54	2/19/2015 7:54		30	30	0	42	0.0				13926.22
	2/19/2015	8:31	2/19/2015 8:31		30	30	7.5	46	15.3		282.23	32.29	13958.51
	2/19/2015	8:32	2/19/2015 8:32		36	35	15	46	32.5		23.89	2.73	13961.24
	2/19/2015	10:34	2/19/2015 10:34		36	34	14	50	30.2		3828.96	438.03	14399.27
	2/19/2015	12:41	2/19/2015 12:41		36	34	16	56	34.3		4101.17	469.17	14868.45
	2/19/2015	13:56	2/19/2015 13:56		38	34	16	53	35.1		2605.69	298.09	15166.54
	2/19/2015	16:00	2/19/2015 16:00		38	34	16	55	35.1		4352.66	497.94	15664.48
	2/19/2015	17:27	2/19/2015 17:27		38	34	16	51	35.2		3057.01	349.72	16014.20
	2/19/2015	17:28	2/19/2015 17:28			28					35.21	4.03	16018.23
SW-100 Event 16	3/11/2015	8:14	3/11/2015 8:14		30	31	0	66	0.0				16018.23
	3/11/2015	8:37	3/11/2015 8:37		28	29	4	66	7.8		89.60	10.25	16028.48
	3/11/2015	8:38	3/11/2015 8:38		37	37	13	66	27.9		17.85	2.04	16030.52
	3/11/2015	10:09	3/11/2015 10:09		38	36	13	84	27.7		2529.50	289.37	16319.90
	3/11/2015	11:15	3/11/2015 11:15		37	35	14	90	29.4		1882.66	215.38	16535.28
	3/11/2015	11:16	3/11/2015 11:16								29.36	3.36	16538.64
Total CO2 Mass (lbs):												16538.64	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/31/2015	8:34	3/31/2015 8:34		40	27	29	64	64.2		62.50	7.15	32071.09
	3/31/2015	9:04	3/31/2015 9:04		40	26.5	30	65	66.3		1957.91	223.99	32295.08
	3/31/2015	10:44	3/31/2015 10:44		40	26	30.5	82	66.3		6633.34	758.85	33053.93
	3/31/2015	11:35	3/31/2015 11:35		40	25	30.5	88	65.9		3373.12	385.88	33439.82
	3/31/2015	13:05	3/31/2015 13:05		40	25	30.5	90	65.8		5929.87	678.38	34118.19
	3/31/2015	13:58	3/31/2015 13:58		40	25	30.5	90	65.8		3488.72	399.11	34517.30
	3/31/2015	15:14	3/31/2015 15:14		40	25	30.5	90	65.8		5002.69	572.31	35089.61
	3/31/2015	16:29	3/31/2015 16:29		40	25	30.5	88	65.9		4941.55	565.31	35654.93
	3/31/2015	17:25	3/31/2015 17:25		40	24.5	30.5	86	66.1		3696.71	422.90	36077.83
	3/31/2015	17:26	3/31/2015 17:26			20					66.08	7.56	36085.39
Total CO2 Mass (lbs):												36085.39	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-103 Event 14	3/18/2015	7:53	3/18/2015 7:53		28	28	8	69	15.5				16265.80
	3/18/2015	8:11	3/18/2015 8:11		27	25	14	70	26.8		381.388441	43.63083649	16309.43
	3/18/2015	8:12	3/18/2015 8:12		34	27	20	70	41.5		34.16072475	3.907986879	16313.34
	3/18/2015	9:20	3/18/2015 9:20		34	25	23	74	47.5		3026.02581	346.1773682	16659.52
	3/18/2015	10:22	3/18/2015 10:22		34	24	24	76	49.5		3007.222438	344.0262451	17003.55
	3/18/2015	11:57	3/18/2015 11:57		34	23.5	26	78	53.5		4892.390919	559.6895142	17563.24
	3/18/2015	11:59	3/18/2015 11:59			18					107.0182874	12.24289227	17575.48
SW-103 Event 15	3/28/2015	7:52	3/28/2015 7:52		28	28	7	56	13.8				17575.48
	3/28/2015	8:23	3/28/2015 8:23		25	23	12	56	22.8		566.0851365	64.76013947	17640.24
	3/28/2015	8:24	3/28/2015 8:24		34	28.5	22	56	46.3		34.51043295	3.947993517	17644.19
	3/28/2015	9:05	3/28/2015 9:05		34	26	24.5	60	51.3		2000.625423	228.8715363	17873.06
	3/28/2015	9:06	3/28/2015 9:06		37	28	28	60	60.5		55.8926813	6.394122601	17879.45
	3/28/2015	10:04	3/28/2015 10:04		37	25	30	64	64.5		3624.65905	414.6609802	18294.11
	3/28/2015	11:06	3/28/2015 11:06		36	25	31	69	65.7		4036.645256	461.7922058	18755.91
	3/28/2015	11:09	3/28/2015 11:09			19					197.0703964	22.54485321	18778.45
	3/28/2015	12:35	3/28/2015 12:35		32	29	18	72	36.5				18778.45
	3/28/2015	13:02	3/28/2015 13:02		32	26	21	73	42.5		1066.370224	121.9927521	18900.44
	3/28/2015	13:03	3/28/2015 13:03		40	29	29	73	63.6		53.06754646	6.070927143	18906.51
	3/28/2015	13:42	3/28/2015 13:42		39	27	32	74	69.5		2595.441044	296.918457	19203.43
	3/28/2015	13:42	3/28/2015 13:42		37	26	30	74	63.9		0	0	19203.43
	3/28/2015	14:58	3/28/2015 14:58		36	24	31	72	65.5		4916.768082	562.4782715	19765.91
	3/28/2015	15:00	3/28/2015 15:00			18					130.9941404	14.98572922	19780.90
SW-103 Event 16	4/16/2015	8:12	4/16/2015 8:12		29	29	6	70	11.8				19780.90
	4/16/2015	8:23	4/16/2015 8:23		28	24	14.5	70	28.1		219.5198432	25.11306953	19806.01
	4/16/2015	8:24	4/16/2015 8:24		42	30.5	26	70	58.3		43.1985461	4.941913605	19810.95
	4/16/2015	9:42	4/16/2015 9:42		42	26.5	30	72	67.1		4888.954033	559.2963257	20370.25
	4/16/2015	10:23	4/16/2015 10:23		42	25	30.5	72	68.2		2773.795517	317.3222046	20687.57
	4/16/2015	10:28	4/16/2015 10:28			18					341.0633473	39.01764679	20726.59
Total CO2 Mass (lbs):												20726.59	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-104 Event 1	10/24/2014	8:15	10/24/2014 8:15		16	16.5	0	59	0.0				
	10/24/2014	8:54	10/24/2014 8:54		16	16.5	0	60	0.0		0	0	0.00
	10/24/2014	8:55	10/24/2014 8:55		20	22	0	60	0.0		0	0	0.00
	10/24/2014	9:34	10/24/2014 9:34		20	22	0	68	0.0		0	0	0.00
	10/24/2014	9:35	10/24/2014 9:35		26	27	5	68	9.5		4.74	0.54	0.54
	10/24/2014	10:26	10/24/2014 10:26		26	27	9	78	16.9		673.17	77.01	77.55
	10/24/2014	10:27	10/24/2014 10:27		28	27.5	11	78	21.2		19.05	2.18	79.73
	10/24/2014	11:09	10/24/2014 11:09		28	27.5	11.5	87	22.0		905.76	103.62	183.35
	10/24/2014	11:57	10/24/2014 11:57		28	27	12	88	22.9		1076.13	123.11	306.46
	10/24/2014	12:38	10/24/2014 12:38		28	27	13	89	24.8		976.94	111.76	418.22
	10/24/2014	13:44	10/24/2014 13:44		28	27	13	96	24.6		1629.50	186.42	604.64
10/24/2014	13:50	10/24/2014 13:50		28	27	13	96	24.6		147.65	16.89	621.53	
SW-104 Event 2	10/29/2014	12:20	10/29/2014 12:20		29	28	0	92	0.0				621.53
	10/29/2014	12:30	10/29/2014 12:30		30	30	10	92	19.4		97.23	11.12	632.65
	10/29/2014	13:00	10/29/2014 13:00		28	28	14	98	26.5		688.48	78.76	711.42
	10/29/2014	14:16	10/29/2014 14:16		26	26	19	100	35.0		2334.32	267.05	978.46
	10/29/2014	14:17	10/29/2014 14:17		29	29	22	100	42.0		38.48	4.40	982.86
	10/29/2014	14:30	10/29/2014 14:30		27	27	19	100	35.4		503.03	57.55	1040.41
	10/29/2014	15:25	10/29/2014 15:25		20	20	8	100	13.6		1347.37	154.14	1194.55
	10/29/2014	15:30	10/29/2014 15:30								67.94	7.77	1202.32
SW-104 Event 3	11/6/2014	12:18	11/6/2014 12:18		18	20	0	90	0.0				1202.32
	11/6/2014	13:47	11/6/2014 13:47								0.00	0.00	1202.32
SW-104 Event 4	11/13/2014	13:00	11/13/2014 13:00		28	28	0	84	0				1202.32
	11/13/2014	13:01	11/13/2014 13:01		30	30	5	84	9.8		4.90	0.56	1202.88
	11/13/2014	14:10	11/13/2014 14:10		28	26	12.5	84	23.9		1163.54	133.11	1335.99
	11/13/2014	14:11	11/13/2014 14:11		34	30	14	84	28.6		26.29	3.01	1339.00
	11/13/2014	16:06	11/13/2014 16:06		34	27	19	76	39.2		3899.99	446.16	1785.16
	11/13/2014	16:50	11/13/2014 16:50		33	25	20	77	40.8		1758.85	201.21	1986.37
	11/13/2014	17:07	11/13/2014 17:07		33	25	20	74	40.9		694.08	79.40	2065.77
	11/13/2014	17:08	11/13/2014 17:08			19					40.89	4.68	2070.45
SW-104 Event 5	11/17/2014	12:15	11/17/2014 12:15		29	29	6	80	11.7				2070.45
	11/17/2014	12:55	11/17/2014 12:55		30	30	16	80	31.5		862.67	98.69	2169.14
	11/17/2014	14:18	11/17/2014 14:18		30	26	17	74	33.6		2701.47	309.05	2478.19
	11/17/2014	15:25	11/17/2014 15:25		30	25	19	70	37.7		2390.51	273.47	2751.66
	11/17/2014	16:47	11/17/2014 16:47		30	25	20	70	39.7		3175.32	363.26	3114.92
	11/17/2014	16:48	11/17/2014 16:48			18					39.72	4.54	3119.46
SW-104 Event 6	12/1/2014	8:07	12/1/2014 8:07		25	27	3	65	5.6				3119.46
	12/1/2014	8:10	12/1/2014 8:10		28	28	7	65	13.6		28.93	3.31	3122.77
	12/1/2014	8:46	12/1/2014 8:46		27	26	14	74	26.7		726.91	83.16	3205.93
	12/1/2014	8:48	12/1/2014 8:48		32	28	18	74	36.4		63.14	7.22	3213.15
	12/1/2014	9:59	12/1/2014 9:59		32	27	20	86	40.0		2711.97	310.25	3523.40
	12/1/2014	10:00	12/1/2014 10:00		38	30	23	86	48.9		44.44	5.08	3528.49
	12/1/2014	11:25	12/1/2014 11:25		38	27.5	26	93	54.9		4411.52	504.68	4033.17
	12/1/2014	11:26	12/1/2014 11:26		42	29	28	93	61.4		58.14	6.65	4039.82
	12/1/2014	12:05	12/1/2014 12:05		41	29	28	92	60.9		2383.68	272.69	4312.51
	12/1/2014	12:06	12/1/2014 12:06			20					60.87	6.96	4319.47
	SW-104 Event 7	12/9/2014	7:36	12/9/2014 7:36		27	27	0	48	0.0			
12/9/2014		7:51	12/9/2014 7:51		34	30	17	48	36.0		270.35	30.93	4350.40
12/9/2014		9:27	12/9/2014 9:27		34	27	22	56	46.3		3951.21	452.02	4802.42
12/9/2014		9:28	12/9/2014 9:28		36	28	24	56	51.5		48.90	5.59	4808.01
12/9/2014		10:24	12/9/2014 10:24		36	27.5	24	70	50.8		2865.18	327.78	5135.79

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/9/2014	10:25	12/9/2014 10:25		40	29	28	70	61.6		56.21	6.43	5142.22
	12/9/2014	11:51	12/9/2014 11:51		40	28	29	77	63.4		5374.21	614.81	5757.03
	12/9/2014	12:51	12/9/2014 12:51		40	27	29	80	63.2		3796.86	434.36	6191.39
	12/9/2014	12:52	12/9/2014 12:52			18					63.19	7.23	6198.62
SW-104 Event 8	12/15/2014	7:35	12/15/2014 7:35		28	28	0	42	0.0				6198.62
	12/15/2014	7:57	12/15/2014 7:57		34	30	18	46	38.2		420.70	48.13	6246.75
	12/15/2014	9:19	12/15/2014 9:19		34	27.5	22	61	46.0		3455.65	395.33	6642.07
	12/15/2014	9:20	12/15/2014 9:20		36	28	26	61	55.5		50.79	5.81	6647.88
	12/15/2014	11:00	12/15/2014 11:00		36	27	28	75	59.0		5726.00	655.05	7302.94
	12/15/2014	12:22	12/15/2014 12:22		36	27	28	76	58.9		4834.49	553.07	7856.00
	12/15/2014	12:23	12/15/2014 12:23			17					58.93	6.74	7862.75
SW-104 Event 9	3/12/2015	8:02	3/12/2015 8:02		28	28	0	70	0.0				7862.75
	3/12/2015	8:15	3/12/2015 8:15		27	25	7.5	70	14.4		93.46	10.69	7873.44
	3/12/2015	8:16	3/12/2015 8:16		33	30	14.5	70	29.8		22.07	2.52	7875.96
	3/12/2015	9:30	3/12/2015 9:30		33	29.5	20	72	41.0		2616.89	299.37	8175.33
	3/12/2015	10:40	3/12/2015 10:40		33	28	22	72	45.1		3011.10	344.47	8519.80
	3/12/2015	10:42	3/12/2015 10:42			19					90.13	10.31	8530.11
Total CO2 Mass (lbs):													8530.11

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-105 Event 1	10/21/2014	9:18	10/21/2014 9:18		20	18	0	79	0.0				
	10/21/2014	9:30	10/21/2014 9:30		19.5	18.5	0	82	0.0		0.00	0.00	0.00
	10/21/2014	9:32	10/21/2014 9:32		23	23.5	0	82	0.0		0.00	0.00	0.00
	10/21/2014	9:43	10/21/2014 9:43		23	22.5	0	86	0.0		0.00	0.00	0.00
	10/21/2014	10:37	10/21/2014 10:37		23	22	0	94	0.0		0.00	0.00	0.00
	10/21/2014	10:41	10/21/2014 10:41		26	25.5	0	94	0.0		0.00	0.00	0.00
	10/21/2014	11:06	10/21/2014 11:06		20.5	19	0	98	0.0		0.00	0.00	0.00
	10/21/2014	11:32	10/21/2014 11:32		27	26.5	0	100	0.0		0.00	0.00	0.00
	10/21/2014	11:55	10/21/2014 11:55		27	26	7.8	100	14.5		167.16	19.12	19.12
	10/21/2014	11:58	10/21/2014 11:58		29	28	8	100	15.3		44.70	5.11	24.24
	10/21/2014	12:17	10/21/2014 12:17		29.5	28	8.5	100	16.3		300.01	34.32	58.56
	10/21/2014	12:18	10/21/2014 12:18		31.5	30	9.5	100	18.6		17.48	2.00	60.56
	10/21/2014	13:18	10/21/2014 13:18		31.5	29	11	100	21.6		1207.08	138.09	198.65
	10/21/2014	14:23	10/21/2014 14:23		31	28.5	12	98	23.5		1464.34	167.52	366.17
10/21/2014	14:26	10/21/2014 14:26			18.5					70.40	8.05	374.22	
SW-105 Event 2	10/29/2014	8:25	10/29/2014 8:25		3	29	0	70	0.0				374.22
	10/29/2014	9:00	10/29/2014 9:00		25	20	20	72	37.3		653.22	74.73	448.95
	10/29/2014	9:01	10/29/2014 9:01		30	31	25	72	49.5		43.44	4.97	453.92
	10/29/2014	10:00	10/29/2014 10:00		30	20	24	80	47.2		2854.14	326.51	780.43
	10/29/2014	10:01	10/29/2014 10:01		35	25	28	80	58.1		52.66	6.02	786.46
	10/29/2014	10:45	10/29/2014 10:45		20	17	10	88	17.2		1656.24	189.47	975.93
	10/29/2014	10:47	10/29/2014 10:47		22	18	15	88	26.5		43.67	5.00	980.93
	10/29/2014	12:15	10/29/2014 12:15		21	18	16	92	27.8		2387.84	273.17	1254.09
	10/29/2014	12:16	10/29/2014 12:16								27.77	3.18	1257.27
	SW-105 Event 3	11/6/2014	7:36	11/6/2014 7:36		24	25	0	66	0.0			
11/6/2014		7:49	11/6/2014 7:49		23	23.5	4	67	7.3		47.50	5.43	1262.71
11/6/2014		7:50	11/6/2014 7:50		28	26	8	67	15.6		11.44	1.31	1264.01
11/6/2014		7:58	11/6/2014 7:58		28	26	10	68	19.4		140.03	16.02	1280.03
11/6/2014		7:59	11/6/2014 7:59		32	29	16	68	32.6		26.00	2.97	1283.01
11/6/2014		8:38	11/6/2014 8:38		32	27	20	72	40.5		1425.05	163.03	1446.03
11/6/2014		8:39	11/6/2014 8:39		36	29	23	72	48.6		44.56	5.10	1451.13
11/6/2014		10:07	11/6/2014 10:07		36	26.5	25.5	82	53.4		4485.90	513.19	1964.32
11/6/2014		12:00	11/6/2014 12:00		34	24	26	86	53.1		6014.94	688.11	2652.43
11/6/2014		12:02	11/6/2014 12:02			18					106.20	12.15	2664.58
SW-105 Event 4		11/12/2014	7:19	11/12/2014 7:19		22	22	0	52	0.0			
	11/12/2014	7:21	11/12/2014 7:21		31	31	0	52	0.0		0.00	0.00	2664.58
	11/12/2014	7:56	11/12/2014 7:56		30	29	9	64	18.0		314.61	35.99	2700.57
	11/12/2014	7:57	11/12/2014 7:57		32	31	12	64	24.5		21.24	2.43	2703.00
	11/12/2014	8:22	11/12/2014 8:22		32	30	13.5	66	27.5		650.35	74.40	2777.40
	11/12/2014	8:23	11/12/2014 8:23			21					27.52	3.15	2780.55
	11/12/2014	13:02	11/12/2014 13:02		28	29	0	90	0.0				2780.55
	11/12/2014	13:05	11/12/2014 13:05		32	32.5	4	90	8.0		11.95	1.37	2781.91
	11/12/2014	13:44	11/12/2014 13:44		30	29	12	90	23.4		611.25	69.93	2851.84
	11/12/2014	13:45	11/12/2014 13:45		36	32	16	90	33.2		28.30	3.24	2855.08
	11/12/2014	15:07	11/12/2014 15:07		36	29	20	93	41.4		3060.28	350.10	3205.17
	11/12/2014	15:08	11/12/2014 15:08		40	31	23.5	93	50.6		45.99	5.26	3210.44
	11/12/2014	16:20	11/12/2014 16:20		40	31	24	90	51.8		3685.35	421.60	3632.04
	11/12/2014	17:16	11/12/2014 17:16		41	32	24	78	52.9		2930.96	335.30	3967.34
11/12/2014	17:17	11/12/2014 17:17			21					52.88	6.05	3973.39	
SW-105 Event 5	11/14/2014	7:24	11/14/2014 7:24		24	24	0	50	0.0				3973.39
	11/14/2014	7:26	11/14/2014 7:26		32	31	3	50	6.2		6.21	0.71	3974.10

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/14/2014	7:41	11/14/2014 7:41		30	29	10	51	20.2		198.39	22.70	3996.80
	11/14/2014	7:49	11/14/2014 7:49		31	28	12	51	24.6		179.19	20.50	4017.30
	11/14/2014	7:51	11/14/2014 7:51		33	30	14	51	29.3		53.84	6.16	4023.46
	11/14/2014	8:46	11/14/2014 8:46		34	29.5	16	54	33.7		1732.58	198.21	4221.66
	11/14/2014	8:47	11/14/2014 8:47		36	31.5	19	54	40.9		37.29	4.27	4225.93
	11/14/2014	10:02	11/14/2014 10:02		36	30.5	19	65	40.4		3048.43	348.74	4574.67
	11/14/2014	11:22	11/14/2014 11:22		35	29	20	76	41.7		3283.58	375.64	4950.31
	11/14/2014	11:23	11/14/2014 11:23		36	30	20.5	76	43.1		42.41	4.85	4955.16
	11/14/2014	12:09	11/14/2014 12:09		36	30	22	80	46.1		2053.13	234.88	5190.04
	11/14/2014	12:10	11/14/2014 12:10			19					46.12	5.28	5195.32
SW-105 Event 6	11/23/2014	7:33	11/23/2014 7:33		26	26	0		0.0				5195.32
	11/23/2014	7:57	11/23/2014 7:57		32	29	15	72	30.4		364.76	41.73	5237.05
	11/23/2014	8:20	11/23/2014 8:20		36	31	19	72	40.1		811.21	92.80	5329.85
	11/23/2014	10:18	11/23/2014 10:18		35	30	18	74	37.6		4585.34	524.56	5854.41
	11/23/2014	10:51	11/23/2014 10:51		40	33	22	74	48.2		1415.55	161.94	6016.35
	11/23/2014	12:32	11/23/2014 12:32		41	33	24	80	52.8		5100.25	583.47	6599.82
	11/23/2014	12:33	11/23/2014 12:33			22					52.78	6.04	6605.86
SW-105 Event 7	12/5/2014	8:00	12/5/2014 8:00		29	29	0	66	0.0				6605.86
	12/5/2014	8:12	12/5/2014 8:12		34	33	11	66	22.9		137.43	15.72	6621.58
	12/5/2014	10:03	12/5/2014 10:03		33	29.5	15	70	30.8		2979.83	340.89	6962.47
	12/5/2014	10:04	12/5/2014 10:04		36	31.5	18	70	38.1		34.45	3.94	6966.41
	12/5/2014	12:33	12/5/2014 12:33		37	30	20	72	42.7		6018.32	688.50	7654.91
	12/5/2014	12:34	12/5/2014 12:34		40	32	21	72	46.1		44.40	5.08	7659.99
	12/5/2014	13:42	12/5/2014 13:42		38	31	22	72	47.4		3179.69	363.76	8023.74
	12/5/2014	14:40	12/5/2014 14:40		38	31	22	70	47.5		2752.19	314.85	8338.60
	12/5/2014	14:41	12/5/2014 14:41			20					47.50	5.43	8344.03
Total CO2 Mass (lbs):												8344.03	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-106 Event 1	10/23/2014	9:15	10/23/2014 9:15		25	25	0	58	0.0				
	10/23/2014	9:30	10/23/2014 9:30		30	32	0	58	0.0		0.0	0.0	0.00
	10/23/2014	9:43	10/23/2014 9:43		30	3	0	60	0.0		0.0	0.0	0.00
	10/23/2014	10:53	10/23/2014 10:53		30	29	3	80	5.9		206.5	23.6	23.62
	10/23/2014	10:54	10/23/2014 10:54		35	34	7	80	14.5		10.2	1.2	24.79
	10/23/2014	12:17	10/23/2014 12:17		35	34	8	80	16.6		1291.9	147.8	172.59
	10/23/2014	13:52	10/23/2014 13:52		35	34	9	78	18.7		1677.6	191.9	364.50
	10/23/2014	14:40	10/23/2014 14:40		35	34	9	82	18.6		896.6	102.6	467.07
	10/23/2014	16:12	10/23/2014 16:12		35	33	10	84	20.7		1808.6	206.9	673.98
	10/23/2014	16:40	10/23/2014 16:40		35	33	10	86	20.6		578.3	66.2	740.14
10/23/2014	16:41	10/23/2014 16:41								20.6	2.4	742.50	
SW-106 Event 2	11/4/2014	12:39	11/4/2014 12:39		25	27	0	80	0.0				742.50
	11/4/2014	12:45	11/4/2014 12:45		34	34	2	80	4.1		12.3	1.4	743.91
	11/4/2014	12:55	11/4/2014 12:55		34	34	5	80	10.3		71.9	8.2	752.13
	11/4/2014	14:30	11/4/2014 14:30		34	32	8	80	16.4		1268.4	145.1	897.24
	11/4/2014	15:36	11/4/2014 15:36		32	31.5	8	77	16.1		1074.7	122.9	1020.18
	11/4/2014	15:37	11/4/2014 15:37		35	33	12	77	25.0		20.6	2.4	1022.53
	11/4/2014	16:50	11/4/2014 16:50		35	33	11	70	23.1		1753.0	200.5	1223.08
	11/4/2014	16:51	11/4/2014 16:51			22					23.1	2.6	1225.72
SW-106 Event 3	11/10/2014	8:24	11/10/2014 8:24		33	33	0	61	0.0				1225.72
	11/10/2014	8:26	11/10/2014 8:26		35	35	0	61	0.0		0.0	0.0	1225.72
	11/10/2014	8:48	11/10/2014 8:48		35	34	4	63	8.4		92.8	10.6	1236.34
	11/10/2014	10:33	11/10/2014 10:33		35	34	7	70	14.7		1213.3	138.8	1375.14
	11/10/2014	10:34	11/10/2014 10:34		36	35	10	70	21.2		17.9	2.0	1377.19
	11/10/2014	12:03	11/10/2014 12:03		36	35	10.5	72	22.2		1929.3	220.7	1597.90
	11/10/2014	15:50	11/10/2014 15:50		36	34.5	12	70	25.4		5401.2	617.9	2215.80
	11/10/2014	16:55	11/10/2014 16:55		36	34.5	70	70	148.2		5641.7	645.4	2861.21
	11/10/2014	16:56	11/10/2014 16:56			26.5					148.2	17.0	2878.16
SW-106 Event 4	11/13/2014	7:27	11/13/2014 7:27		33	33	0	64	0.0				2878.16
	11/13/2014	7:29	11/13/2014 7:29		35	36	0	64	0.0		0.0	0.0	2878.16
	11/13/2014	8:04	11/13/2014 8:04		35	34	6	66	12.6		220.9	25.3	2903.43
	11/13/2014	8:06	11/13/2014 8:06		36	36	8	66	17.0		29.6	3.4	2906.82
	11/13/2014	8:42	11/13/2014 8:42		36	36	8	70	16.9		610.9	69.9	2976.71
	11/13/2014	11:20	11/13/2014 11:20		36	34.5	10.5	76	22.1		3083.7	352.8	3329.48
	11/13/2014	11:23	11/13/2014 11:23		38	36	14	76	30.0		78.2	8.9	3338.43
	11/13/2014	13:42	11/13/2014 13:42		36	34	13	77	27.3		3988.1	456.2	3794.66
	11/13/2014	15:42	11/13/2014 15:42		37	35	16	74	34.1		3684.5	421.5	4216.17
	11/13/2014	16:33	11/13/2014 16:33		36	34.5	15.5	73	32.7		1703.2	194.8	4411.02
	11/13/2014	17:28	11/13/2014 17:28		44	38.5	22	70	50.2		2279.6	260.8	4671.80
	11/13/2014	17:30	11/13/2014 17:30			28					100.4	11.5	4683.28
	SW-106 Event 5	11/18/2014	7:30	11/18/2014 7:30		35	33	0	40	0.0			
11/18/2014		7:58	11/18/2014 7:58		34	33	8	50	16.9		237.0	27.1	4710.40
11/18/2014		9:14	11/18/2014 9:14		33	33	9	55	18.7		1355.7	155.1	4865.49
11/18/2014		10:33	11/18/2014 10:33		33	32	10	60	20.7		1559.3	178.4	5043.88
11/18/2014		11:46	11/18/2014 11:46		33	32	10	60	20.7		1513.1	173.1	5216.98
11/18/2014		11:46	11/18/2014 11:46			25		60			0.0	0.0	5216.98
SW-106 Event 6	11/20/2014	11:39	11/20/2014 11:39		38	35	2	68	4.3				5216.98
	11/20/2014	12:17	11/20/2014 12:17		38	35	8	68	17.3		411.0	47.0	5264.00
	11/20/2014	14:27	11/20/2014 14:27		36	35	10	71	21.1		2499.6	286.0	5549.95
	11/20/2014	15:28	11/20/2014 15:28		36	34.5	11	70	23.3		1355.3	155.0	5705.00
	11/20/2014	16:24	11/20/2014 16:24		35	34	11.5	67	24.2		1328.8	152.0	5857.01

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/20/2014	17:09	11/20/2014 17:09		37	35	14	64	30.1		1221.4	139.7	5996.74
	11/20/2014	17:10	11/20/2014 17:10			26					30.1	3.4	6000.18
SW-106 Event 7	12/1/2014	8:25	12/1/2014 8:25		30	30	0	57	0.0				6000.18
	12/1/2014	8:34	12/1/2014 8:34		35	35	6	59	12.7		57.2	6.5	6006.72
	12/1/2014	8:49	12/1/2014 8:49		35	35	6	63	12.7		190.3	21.8	6028.49
	12/1/2014	9:47	12/1/2014 9:47		35	35	7	70	14.7		792.6	90.7	6119.17
	12/1/2014	11:44	12/1/2014 11:44		35	34	8	73	16.7		1836.0	210.0	6329.21
	12/1/2014	11:45	12/1/2014 11:45		38	36.5	12	73	25.8		21.3	2.4	6331.64
	12/1/2014	12:42	12/1/2014 12:42		37	35.5	11	74	23.4		1403.9	160.6	6492.25
	12/1/2014	12:44	12/1/2014 12:44		39	37	13	74	28.2		51.7	5.9	6498.16
	12/1/2014	12:56	12/1/2014 12:56		39	37	13.5	75	29.3		345.1	39.5	6537.63
	12/1/2014	14:55	12/1/2014 14:55		39	36.5	14	73	30.4		3552.7	406.4	6944.06
	12/1/2014	16:09	12/1/2014 16:09		39	36	14.5	73	31.5		2291.8	262.2	7206.24
	12/1/2014	17:10	12/1/2014 17:10		39	36	16	65	35.0		2030.2	232.2	7438.49
	12/1/2014	17:11	12/1/2014 17:11			29					35.0	4.0	7442.50
SW-106 Event 8	12/3/2014	7:33	12/3/2014 7:33		30	30	0	62	0.0				7442.50
	12/3/2014	7:57	12/3/2014 7:57		30	30	0	62	0.0		0.0	0.0	7442.50
	12/3/2014	7:58	12/3/2014 7:58		36	36	7	62	14.9		7.5	0.9	7443.35
	12/3/2014	8:19	12/3/2014 8:19		36	35.5	7	63	14.9		313.5	35.9	7479.22
	12/3/2014	9:29	12/3/2014 9:29		36	35	8	65	17.0		1117.9	127.9	7607.11
	12/3/2014	9:30	12/3/2014 9:30		37	35.5	10	65	21.5		19.3	2.2	7609.31
	12/3/2014	10:52	12/3/2014 10:52		37	35.5	10	68	21.4		1759.3	201.3	7810.58
	12/3/2014	12:12	12/3/2014 12:12		36	35	10	71	21.1		1702.9	194.8	8005.38
	12/3/2014	13:28	12/3/2014 13:28		36	35	12	74	25.3		1765.2	201.9	8207.33
	12/3/2014	14:44	12/3/2014 14:44		35	34.5	12	76	25.0		1911.6	218.7	8426.01
	12/3/2014	14:45	12/3/2014 14:45		36	35	14	76	29.5		27.2	3.1	8429.13
	12/3/2014	16:13	12/3/2014 16:13		36	35	14	74	29.5		2595.4	296.9	8726.04
	12/3/2014	17:17	12/3/2014 17:17		36	35	14	66	29.8		1896.8	217.0	8943.04
	12/3/2014	17:18	12/3/2014 17:18			28					29.8	3.4	8946.44
SW-106 Event 9	12/5/2014	8:12	12/5/2014 8:12		30	30	0	64	0.0				8946.44
	12/5/2014	8:36	12/5/2014 8:36		30	29.5	4	64	8.0		95.9	11.0	8957.41
	12/5/2014	8:37	12/5/2014 8:37		36	35	10	64	21.3		14.6	1.7	8959.09
	12/5/2014	10:28	12/5/2014 10:28		36	35	10	68	21.2		2359.1	269.9	9228.97
	12/5/2014	12:05	12/5/2014 12:05		36	34.5	12	68	25.5		2263.2	258.9	9487.88
	12/5/2014	14:01	12/5/2014 14:01		36	34.5	12	68	25.5		2952.6	337.8	9825.66
	12/5/2014	15:23	12/5/2014 15:23		36	33.5	13	67	27.6		2175.3	248.9	10074.51
	12/5/2014	15:24	12/5/2014 15:24		38	34.5	16	67	34.6		31.1	3.6	10078.07
	12/5/2014	16:44	12/5/2014 16:44		38	34.5	16	66	34.7		2773.1	317.2	10395.32
	12/5/2014	16:45	12/5/2014 16:45			27					34.7	4.0	10399.28
SW-106 Event 10	12/9/2014	7:45	12/9/2014 7:45		30	30	0	48	0.0				10399.28
	12/9/2014	8:02	12/9/2014 8:02		30	29.5	3	50	6.1		51.7	5.9	10405.19
	12/9/2014	8:03	12/9/2014 8:03		35	34	8	50	17.1		11.6	1.3	10406.52
	12/9/2014	9:13	12/9/2014 9:13		35	34	9	56	19.1		1268.0	145.1	10551.58
	12/9/2014	10:40	12/9/2014 10:40		35	33.5	10	63	21.1		1749.9	200.2	10751.77
	12/9/2014	10:41	12/9/2014 10:41		37	35	14	63	30.1		25.6	2.9	10754.70
	12/9/2014	11:38	12/9/2014 11:38		37	35	13	64	28.0		1655.9	189.4	10944.14
	12/9/2014	14:46	12/9/2014 14:46		36	34	14	68	29.7		5419.7	620.0	11564.15
	12/9/2014	17:05	12/9/2014 17:05		36	33	16	60	34.2		4441.4	508.1	12072.24
	12/9/2014	17:06	12/9/2014 17:06			27					34.2	3.9	12076.16
Total CO ₂ Mass (lbs):													12076.16

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-107 Event 1	10/24/2014	8:40	10/24/2014 8:40		24	23	0	56	0.0				0.00
	10/24/2014	9:02	10/24/2014 9:02		24	23	0	58	0.0		0.0	0.00	0.00
	10/24/2014	9:03	10/24/2014 9:03		32	32	4	58	8.2		4.1	0.47	0.47
	10/24/2014	9:14	10/24/2014 9:14		32	32	4	60	8.2		90.3	10.33	10.80
	10/24/2014	9:15	10/24/2014 9:15		37	37	12	60	25.9		17.1	1.95	12.75
	10/24/2014	10:11	10/24/2014 10:11		37	35	13	70	27.8		1503.8	172.04	184.79
	10/24/2014	11:18	10/24/2014 11:18		37	34	15	80	31.8		1995.1	228.24	413.03
	10/24/2014	11:52	10/24/2014 11:52		37	34	16	78	33.9		1117.0	127.78	540.81
	10/24/2014	12:56	10/24/2014 12:56		37	33	16	82	33.8		2168.2	248.04	788.86
	10/24/2014	13:59	10/24/2014 13:59		37	33	17	82	35.9		2196.8	251.31	1040.17
10/24/2014	14:00	10/24/2014 14:00		0	0					35.9	4.11	1044.28	
SW-107 Event 2	11/4/2014	8:23	11/4/2014 8:23		20	21	0	56	0.0				1044.28
	11/4/2014	8:26	11/4/2014 8:26		34	32	6	56	12.6		18.9	2.17	1046.44
	11/4/2014	8:35	11/4/2014 8:35		34	32	10	58	21.0		151.2	17.30	1063.74
	11/4/2014	8:47	11/4/2014 8:47		36	29	14	63	29.8		305.0	34.89	1098.64
	11/4/2014	8:49	11/4/2014 8:49		34	27	9	64	18.8		48.6	5.56	1104.20
	11/4/2014	9:38	11/4/2014 9:38		29	26	11	74	21.5		987.1	112.92	1217.12
	11/4/2014	9:40	11/4/2014 9:40		38	32.5	22	74	47.3		68.8	7.87	1224.99
	11/4/2014	11:13	11/4/2014 11:13		37	32	20	78	42.4		4173.0	477.39	1702.38
	11/4/2014	12:26	11/4/2014 12:26		37	32	20	76	42.5		3100.3	354.68	2057.06
	11/4/2014	12:29	11/4/2014 12:29			24					127.5	14.59	2071.65
SW-107 Event 3	11/12/2014	12:57	11/12/2014 12:57		30	30	0	76	0.0				2071.65
	11/12/2014	12:59	11/12/2014 12:59		37	37	4	76	8.5		8.5	0.97	2072.62
	11/12/2014	13:12	11/12/2014 13:12		37	37	7	79	14.8		151.7	17.35	2089.98
	11/12/2014	14:37	11/12/2014 14:37		36.5	36	8	87	16.7		1342.1	153.54	2243.52
	11/12/2014	14:40	11/12/2014 14:40		40	38.5	14	87	30.3		70.6	8.07	2251.59
	11/12/2014	15:51	11/12/2014 15:51		40	38.5	14	82	30.4		2156.5	246.71	2498.30
	11/12/2014	17:27	11/12/2014 17:27		40	37	18	70	39.6		3362.5	384.67	2882.96
	11/12/2014	17:29	11/12/2014 17:29			32					79.2	9.06	2892.03
SW-107 Event 4	11/18/2014	11:58	11/18/2014 11:58		38	33	2	60	4.4				2892.03
	11/18/2014	12:22	11/18/2014 12:22		37	33	5	60	10.8		181.9	20.81	2912.83
	11/18/2014	13:49	11/18/2014 13:49		37	34	8	62	17.2		1219.7	139.53	3052.36
	11/18/2014	13:53	11/18/2014 13:53		38	35	12	60	26.2		86.8	9.93	3062.29
	11/18/2014	15:36	11/18/2014 15:36		37	34	13	60	28.1		2793.3	319.56	3381.85
	11/18/2014	17:00	11/18/2014 17:00		37	34	16	60	34.6		2630.2	300.89	3682.75
	11/18/2014	17:01	11/18/2014 17:01			29					34.6	3.95	3686.70
	SW-107 Event 5	11/20/2014	7:19	11/20/2014 7:19		35	33	10	31	21.8			
11/20/2014		7:40	11/20/2014 7:40		35	33	14	50	29.9		543.3	62.15	3748.85
11/20/2014		8:49	11/20/2014 8:49		34	30	16	58	33.6		2191.3	250.69	3999.54
11/20/2014		10:09	11/20/2014 10:09		34	30	16	62	33.4		2681.3	306.74	4306.28
11/20/2014		11:32	11/20/2014 11:32		34	30	16	64	33.4		2773.5	317.29	4623.57
11/20/2014		11:33	11/20/2014 11:33			24		64			33.4	3.82	4627.39
SW-107 Event 6	11/23/2014	7:33	11/23/2014 7:33		29	29	5	68	9.8				4627.39
	11/23/2014	7:35	11/23/2014 7:35		36	35	14	68	29.7		39.5	4.52	4631.91
	11/23/2014	8:18	11/23/2014 8:18		35	31	18	68	37.8		1451.1	166.00	4797.91
	11/23/2014	8:19	11/23/2014 8:19		40	34	22	68	48.5		43.1	4.94	4802.85
	11/23/2014	10:00	11/23/2014 10:00		39	33.5	22	68	48.0		4875.9	557.80	5360.65
	11/23/2014	10:50	11/23/2014 10:50		44	34.5	26	68	59.4		2686.7	307.36	5668.01
	11/23/2014	10:52	11/23/2014 10:52		46	35	28	68	65.1		124.5	14.24	5682.25
	11/23/2014	12:19	11/23/2014 12:19		46	34	30	70	69.6		5859.3	670.30	6352.55
	11/23/2014	12:20	11/23/2014 12:20			27					69.6	7.96	6360.51

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-107 Event 7	12/4/2014	8:05	12/4/2014 8:05		31	32	0	58	0.0				6360.51
	12/4/2014	8:24	12/4/2014 8:24		30	30.5	<2	60	0.0		0.0	0.00	6360.51
	12/4/2014	8:25	12/4/2014 8:25		36	36	10	60	21.4		10.7	1.22	6361.74
	12/4/2014	9:52	12/4/2014 9:52		36	35.5	10	74	21.1		1847.3	211.34	6573.07
	12/4/2014	12:34	12/4/2014 12:34		35	33	13	75	27.1		3904.0	446.62	7019.69
	12/4/2014	12:35	12/4/2014 12:35			29					27.1	3.10	7022.79
SW-107 Event 8	12/11/2014	8:09	12/11/2014 8:09		30	30	0	44	0.0				7022.79
	12/11/2014	8:21	12/11/2014 8:21		30	30	4	47	8.1		48.8	5.58	7028.37
	12/11/2014	8:22	12/11/2014 8:22		36	35.5	12	47	26.0		17.1	1.95	7030.32
	12/11/2014	10:21	12/11/2014 10:21		36	34	14	60	29.9		3327.9	380.71	7411.04
	12/11/2014	10:22	12/11/2014 10:22		40	36	20	60	44.4		37.2	4.25	7415.29
	12/11/2014	11:55	12/11/2014 11:55		40	36	20	63	44.3		4127.4	472.17	7887.46
	12/11/2014	14:32	12/11/2014 14:32		40	34.5	22	67	48.6		7289.8	833.96	8721.42
	12/11/2014	14:33	12/11/2014 14:33		44	36	26	67	59.5		54.0	6.18	8727.60
	12/11/2014	15:32	12/11/2014 15:32		44	36	26	67	59.5		3509.2	401.46	9129.05
	12/11/2014	17:01	12/11/2014 17:01		44	35	28	61	64.4		5514.4	630.85	9759.90
	12/11/2014	17:02	12/11/2014 17:02			28.5					64.4	7.37	9767.27
	Total CO2 Mass (lbs):												9767.27

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-108 Event 1	10/22/2014	11:24	10/22/2014 11:24		18.5	20	0	80	0.0				
	10/22/2014	11:32	10/22/2014 11:32		25	27	0	80	0.0		0.0	0.0	0.00
	10/22/2014	14:21	10/22/2014 14:21		25	27	0	82	0.0		0.0	0.0	0.00
	10/22/2014	14:24	10/22/2014 14:24		29	30.5	3	82	5.8		8.7	1.0	1.00
	10/22/2014	15:45	10/22/2014 15:45		29	30.5	4	86	7.7		549.0	62.8	63.80
	10/22/2014	15:48	10/22/2014 15:48		32	33.5	7	86	14.0		32.6	3.7	67.53
	10/22/2014	16:33	10/22/2014 16:33		32	33.5	7	85	14.0		630.1	72.1	139.62
	10/22/2014	16:35	10/22/2014 16:35		33	34.5	8	85	16.2		30.2	3.5	143.07
	10/22/2014	17:48	10/22/2014 17:48		33	34.5	8	80	16.3		1184.2	135.5	278.54
	10/22/2014	17:49	10/22/2014 17:49								16.3	1.9	280.40
SW-108 Event 2	10/30/2014	8:00	10/30/2014 8:00		24	24	0	56	0.0				280.40
	10/30/2014	8:06	10/30/2014 8:06		32	32	0	56	0.0		0.0	0.0	280.40
	10/30/2014	8:23	10/30/2014 8:23		31	32	3	66	6.0		51.4	5.9	286.28
	10/30/2014	8:24	10/30/2014 8:24		34	34	6	66	12.5		9.3	1.1	287.34
	10/30/2014	9:18	10/30/2014 9:18		34	33.5	6	76	12.4		671.4	76.8	364.15
	10/30/2014	10:35	10/30/2014 10:35		34	34	7	84	14.3		1027.8	117.6	481.73
	10/30/2014	11:59	10/30/2014 11:59		34	33	8	90	16.3		1285.2	147.0	628.76
	10/30/2014	13:20	10/30/2014 13:20		34	33	8	90	16.3		1318.5	150.8	779.59
	10/30/2014	14:25	10/30/2014 14:25		34	32	8	90	16.3		1058.0	121.0	900.63
	10/30/2014	15:50	10/30/2014 15:50		33	33	8	86	16.2		1378.9	157.7	1058.38
	10/30/2014	16:55	10/30/2014 16:55		33	33	8	78	16.3		1054.9	120.7	1179.07
	10/30/2014	16:56	10/30/2014 16:56			27					16.3	1.9	1180.93
	SW-108 Event 3	11/10/2014	8:02	11/10/2014 8:02		32	33.5	0	67	0.0			
11/10/2014		8:16	11/10/2014 8:16		31	33	<2	68	0.0		0.0	0.0	1180.93
11/10/2014		8:17	11/10/2014 8:17		32	34	4	68	8.1		4.1	0.5	1181.39
11/10/2014		8:35	11/10/2014 8:35		32	33	4.5	68	9.2		155.6	17.8	1199.20
11/10/2014		8:36	11/10/2014 8:36		34	35	6	68	12.5		10.8	1.2	1200.44
11/10/2014		8:50	11/10/2014 8:50		34	35	6	68	12.5		174.6	20.0	1220.41
11/10/2014		10:10	11/10/2014 10:10		34	35	7	67	14.6		1081.2	123.7	1344.10
11/10/2014		11:42	11/10/2014 11:42		34	35	8	74	16.5		1430.1	163.6	1507.71
11/10/2014		15:22	11/10/2014 15:22		34	34	10	72	20.7		4095.2	468.5	1976.19
11/10/2014		15:23	11/10/2014 15:23		36	35	12	72	25.4		23.0	2.6	1978.83
11/10/2014		17:08	11/10/2014 17:08		36	35	12	67	25.5		2668.7	305.3	2284.13
11/10/2014		17:09	11/10/2014 17:09			29					25.5	2.9	2287.04
SW-108 Event 4		11/13/2014	8:13	11/13/2014 8:13		28	26	0	58	0			
	11/13/2014	8:14	11/13/2014 8:14		34	34	0	58	0		0.0	0.0	2287.04
	11/13/2014	8:24	11/13/2014 8:24		33	32	4	58	8.3		41.5	4.8	2291.79
	11/13/2014	9:02	11/13/2014 9:02		33	31.5	6	71	12.3		391.6	44.8	2336.59
	11/13/2014	9:03	11/13/2014 9:03		37	35	9	71	19.2		15.8	1.8	2338.39
	11/13/2014	11:36	11/13/2014 11:36		36	34	12	80	25.2		3395.2	388.4	2726.80
	11/13/2014	11:40	11/13/2014 11:40		38	35	15.5	80	33.1		116.6	13.3	2740.14
	11/13/2014	13:56	11/13/2014 13:56		38	34	15	84	31.9		4426.0	506.3	3246.48
	11/13/2014	13:57	11/13/2014 13:57		40	35	17	84	36.9		34.4	3.9	3250.42
	11/13/2014	16:02	11/13/2014 16:02		36	34	17	76	35.8		4542.4	519.6	3770.06
	11/13/2014	16:44	11/13/2014 16:44		36	34	15	76	31.6		1414.3	161.8	3931.86
	11/13/2014	17:14	11/13/2014 17:14		44	37	22	71	50.1		1225.5	140.2	4072.05
	11/13/2014	17:15	11/13/2014 17:15			30					50.1	5.7	4077.78
SW-108 Event 5	11/17/2014	8:21	11/17/2014 8:21		45	39	10	70	23.0				4077.78
	11/17/2014	8:47	11/17/2014 8:47		40	39	18	70	39.6		813.9	93.1	4170.90
	11/17/2014	8:48	11/17/2014 8:48		35	34	12	70	25.1		32.4	3.7	4174.60
	11/17/2014	10:07	11/17/2014 10:07		35	34	12	75	25.0		1981.8	226.7	4401.32

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/17/2014	11:21	11/17/2014 11:21		34	34	12	80	24.6		1837.9	210.3	4611.58
	11/17/2014	12:20	11/17/2014 12:20		34	34	14	78	28.8		1577.1	180.4	4792.01
	11/17/2014	13:00	11/17/2014 13:00		34	34	14	78	28.8		1152.5	131.8	4923.85
	11/17/2014	14:24	11/17/2014 14:24		37	33.5	14	72	29.9		2464.9	282.0	5205.83
	11/17/2014	15:32	11/17/2014 15:32		37	33	14	70	29.9		2033.5	232.6	5438.46
	11/17/2014	16:53	11/17/2014 16:53		37	33	15	70	32.1		2511.2	287.3	5725.74
	11/17/2014	16:54	11/17/2014 16:54			29					32.1	3.7	5729.41
SW-108 Event 6	11/20/2014	7:37	11/20/2014 7:37		25	25	0	38	0.0				5729.41
	11/20/2014	7:59	11/20/2014 7:59		34	32	10	42	21.3		234.7	26.8	5756.25
	11/20/2014	9:00	11/20/2014 9:00		34	31	11	58	23.1		1354.9	155.0	5911.26
	11/20/2014	10:27	11/20/2014 10:27		32	30	12	70	24.4		2064.2	236.1	6147.41
	11/20/2014	12:03	11/20/2014 12:03		32	30	12	74	24.3		2334.5	267.1	6414.47
	11/20/2014	14:07	11/20/2014 14:07		32	31	12	76	24.2		3006.6	344.0	6758.43
	11/20/2014	14:09	11/20/2014 14:09		36	33	18	76	37.9		62.1	7.1	6765.53
	11/20/2014	16:08	11/20/2014 16:08		36	33	16	73	33.8		4263.4	487.7	7253.27
	11/20/2014	16:58	11/20/2014 16:58		39	34	20	70	43.6		1934.2	221.3	7474.54
	11/20/2014	16:59	11/20/2014 16:59			29					43.6	5.0	7479.53
SW-108 Event 7	11/25/2014	7:25	11/25/2014 7:25		28	28	0	66	0.0				7479.53
	11/25/2014	7:34	11/25/2014 7:34		37	35	12	66	25.8		115.9	13.3	7492.79
	11/25/2014	8:39	11/25/2014 8:39		36	33	14	66	29.8		1804.2	206.4	7699.19
	11/25/2014	8:40	11/25/2014 8:40		40	35	20	66	44.2		37.0	4.2	7703.42
	11/25/2014	11:06	11/25/2014 11:06		39	35	19	70	41.4		6248.5	714.8	8418.25
	11/25/2014	12:25	11/25/2014 12:25		40	35	20	76	43.7		3363.9	384.8	8803.08
	11/25/2014	12:26	11/25/2014 12:26			29					43.7	5.0	8808.09
SW-108 Event 8	12/2/2014	7:30	12/2/2014 7:30		30	29	0	65	0.0				8808.09
	12/2/2014	8:40	12/2/2014 8:40		35	30	12	66	25.2		883.6	101.1	8909.17
	12/2/2014	8:41	12/2/2014 8:41		41	31	18	66	40.1		32.7	3.7	8912.91
	12/2/2014	8:57	12/2/2014 8:57		42	31	16	68	35.9		608.5	69.6	8982.52
	12/2/2014	8:58	12/2/2014 8:58		45	32	20	68	46.1		41.0	4.7	8987.21
	12/2/2014	10:07	12/2/2014 10:07		45	33	20.5	79	46.7		3203.3	366.5	9353.67
	12/2/2014	11:24	12/2/2014 11:24		45	33	21	87	47.5		3629.1	415.2	9768.84
	12/2/2014	11:26	12/2/2014 11:26		45	36.5	22.5	87	50.9		98.4	11.3	9780.10
	12/2/2014	12:59	12/2/2014 12:59		45	36.5	22.5	88	50.9		4732.5	541.4	10321.50
	12/2/2014	13:45	12/2/2014 13:45		45	37	22	88	49.7		2313.7	264.7	10586.19
	12/2/2014	15:00	12/2/2014 15:00		44	37	22	84	49.5		3721.1	425.7	11011.88
	12/2/2014	17:10	12/2/2014 17:10		45	37	23	72	52.8		6649.8	760.7	11772.62
	12/2/2014	17:11	12/2/2014 17:11			32					52.8	6.0	11778.66
SW-108 Event 9	12/12/2014	7:47	12/12/2014 7:47		32	32	0	40	0.0				11778.66
	12/12/2014	8:00	12/12/2014 8:00		38	35	14	42	31.1		202.1	23.1	11801.79
	12/12/2014	9:58	12/12/2014 9:58		36	33	16	66	34.0		3841.0	439.4	12241.20
	12/12/2014	9:59	12/12/2014 9:59		38	34	18	66	39.0		36.5	4.2	12245.38
	12/12/2014	11:02	12/12/2014 11:02		39	34	18	72	39.2		2462.5	281.7	12527.09
	12/12/2014	11:29	12/12/2014 11:29		39	33.5	18.5	74	40.2		1070.9	122.5	12649.60
	12/12/2014	11:30	12/12/2014 11:30			32					40.2	4.6	12654.19
SW-108 Event 10	12/15/2014	7:42	12/15/2014 7:42		27	27	0	42	0.0				12654.19
	12/15/2014	8:03	12/15/2014 8:03		38	34	16	48	35.3		370.8	42.4	12696.62
	12/15/2014	9:25	12/15/2014 9:25		37	33.5	17	62	36.6		2950.2	337.5	13034.12
	12/15/2014	11:09	12/15/2014 11:09		36	33	18	78	37.8		3871.2	442.9	13476.98
	12/15/2014	12:44	12/15/2014 12:44		36	33	18	80	37.7		3588.4	410.5	13887.50
	12/15/2014	12:45	12/15/2014 12:45			27					37.7	4.3	13891.82
SW-108 Event 11	1/6/2015	12:36	1/6/2015 12:36		25	25	0	76	0.0				13891.82

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/6/2015	12:38	1/6/2015 12:38		34	34	0	76	0.0		0.0	0.0	13891.82
	1/6/2015	13:00	1/6/2015 13:00		33	32.5	4	76	8.2		89.8	10.3	13902.09
	1/6/2015	13:01	1/6/2015 13:01		36	35	9	76	18.9		13.6	1.6	13903.64
	1/6/2015	15:02	1/6/2015 15:02		36	35	10	75	21.1		2420.5	276.9	14180.54
	1/6/2015	16:20	1/6/2015 16:20		36	34	12	72	25.4		1810.4	207.1	14387.65
	1/6/2015	17:04	1/6/2015 17:04		36	34	12	70	25.4		1116.7	127.7	14515.39
	1/6/2015	17:05	1/6/2015 17:05			29					25.4	2.9	14518.30
SW-108 Event 12	1/21/2015	12:20	1/21/2015 12:20		38	38	4	82	8.5				14518.30
	1/21/2015	13:33	1/21/2015 13:33		38	36	12	82	25.6		1246.2	142.6	14660.87
	1/21/2015	15:10	1/21/2015 15:10		38	36	12	82	25.6		2483.9	284.2	14945.03
	1/21/2015	16:27	1/21/2015 16:27		38	35	14	80	29.9		2138.3	244.6	15189.65
	1/21/2015	17:22	1/21/2015 17:22		38	35	15	68	32.4		1715.5	196.3	15385.91
	1/21/2015	17:23	1/21/2015 17:23			31					32.4	3.7	15389.62
SW-108 Event 13	1/26/2015	12:35	1/26/2015 12:35		34	34	0	70	0.0				15389.62
	1/26/2015	12:46	1/26/2015 12:46		32.5	33.5	0	70	0.0		0.0	0.0	15389.62
	1/26/2015	12:47	1/26/2015 12:47		36	36	8	70	16.9		8.5	1.0	15390.59
	1/26/2015	13:34	1/26/2015 13:34		36	35	10	66	21.3		897.4	102.7	15493.26
	1/26/2015	14:38	1/26/2015 14:38		36	34.5	12	66	25.5		1496.2	171.2	15664.42
	1/26/2015	15:34	1/26/2015 15:34		36	34	12	62	25.6		1431.1	163.7	15828.14
	1/26/2015	16:45	1/26/2015 16:45		36	34	13	60	27.8		1895.7	216.9	16045.01
	1/26/2015	16:46	1/26/2015 16:46			29					27.8	3.2	16048.19
SW-108 Event 14	1/28/2015	12:33	1/28/2015 12:33		30	30.5	0	69	0.0				16048.19
	1/28/2015	12:54	1/28/2015 12:54		28	30	0	69	0.0		0.0	0.0	16048.19
	1/28/2015	12:55	1/28/2015 12:55		34	34	6	69	12.5		6.2	0.7	16048.90
	1/28/2015	14:55	1/28/2015 14:55		34	33	10	69	20.8		1993.1	228.0	16276.91
	1/28/2015	14:56	1/28/2015 14:56		37	35	14	69	30.0		25.4	2.9	16279.81
	1/28/2015	17:06	1/28/2015 17:06		37	35	14	63	30.1		3906.8	446.9	16726.74
	1/28/2015	17:07	1/28/2015 17:07			32					30.1	3.4	16730.19
SW-108 Event 15	2/3/2015	7:51	2/3/2015 7:51		31	23	0	43	0.0				16730.19
	2/3/2015	8:57	2/3/2015 8:57		29	29	6	54	12.0		394.9	45.2	16775.37
	2/3/2015	8:58	2/3/2015 8:58		37	35	14	54	30.4		21.2	2.4	16777.80
	2/3/2015	10:42	2/3/2015 10:42		37	34.5	14.5	62	31.2		3206.6	366.8	17144.63
	2/3/2015	12:59	2/3/2015 12:59		37	34	15	70	32.1		4337.4	496.2	17640.83
	2/3/2015	13:00	2/3/2015 13:00			27.5					32.1	3.7	17644.50
SW-108 Event 16	2/4/2015	8:05	2/4/2015 8:05		28	29	0	56	0.0				17644.50
	2/4/2015	8:41	2/4/2015 8:41		27	27	6	56	11.7		209.9	24.0	17668.51
	2/4/2015	8:44	2/4/2015 8:44		34	37	14	56	29.4		61.7	7.1	17675.57
	2/4/2015	10:06	2/4/2015 10:06		36	34.5	14.5	59	31.0		2479.6	283.7	17959.23
	2/4/2015	11:35	2/4/2015 11:35		36	34.5	15	59	32.1		2809.6	321.4	18280.65
	2/4/2015	12:23	2/4/2015 12:23		35	33	15	66	31.6		1527.9	174.8	18455.44
	2/4/2015	12:24	2/4/2015 12:24			28					31.6	3.6	18459.05
SW-108 Event 17	2/10/2015	7:51	2/10/2015 7:51		28	28.5	0	58	0.0				18459.05
	2/10/2015	8:40	2/10/2015 8:40		26	27.5	4	58	7.7		187.8	21.5	18480.53
	2/10/2015	8:41	2/10/2015 8:41		34	33	12	58	25.2		16.4	1.9	18482.41
	2/10/2015	10:37	2/10/2015 10:37		34	32.5	12	62	25.1		2915.9	333.6	18815.99
	2/10/2015	10:38	2/10/2015 10:38		37	34	16	62	34.5		29.8	3.4	18819.40
	2/10/2015	12:02	2/10/2015 12:02		38	34.5	16	67	34.6		2903.4	332.1	19151.55
	2/10/2015	12:42	2/10/2015 12:42		38	34.5	16	65	34.7		1387.2	158.7	19310.25
	2/10/2015	12:44	2/10/2015 12:44			28					69.4	7.9	19318.19
SW-108 Event 18	2/12/2015	7:41	2/12/2015 7:41		29	30	0	51	0.0				19318.19
	2/12/2015	8:09	2/12/2015 8:09		28	29	4	57	7.9		110.1	12.6	19330.78

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/12/2015	8:10	2/12/2015 8:10		36	34	12	57	25.7		16.8	1.9	19332.70
	2/12/2015	9:27	2/12/2015 9:27		36	34	13	60	27.8		2060.9	235.8	19568.47
	2/12/2015	11:29	2/12/2015 11:29		36	33	14	75	29.5		3494.6	399.8	19968.24
	2/12/2015	13:22	2/12/2015 13:22		36	33	14	76	29.5		3331.1	381.1	20349.32
	2/12/2015	13:23	2/12/2015 13:23			28					29.5	3.4	20352.69
Total CO2 Mass (lbs):												20352.69	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/5/2014	17:00	12/5/2014 17:00		40	35	16	66	35.3		2966.0	339.3	10238.84
	12/5/2014	17:01	12/5/2014 17:01			29					35.3	4.0	10242.88
SW-109 Event 11	12/11/2014	7:53	12/11/2014 7:53		28	28	0	40	0.0				10242.88
	12/11/2014	8:09	12/11/2014 8:09		37	35	12	46	21.3		170.5	19.5	10262.38
	12/11/2014	9:57	12/11/2014 9:57		36	33.5	12	59	20.8		2274.7	260.2	10522.61
	12/11/2014	9:58	12/11/2014 9:58		40	35.5	17	59	30.7		25.7	2.9	10525.55
	12/11/2014	11:27	12/11/2014 11:27		40	36	16	64	28.7		2641.6	302.2	10827.75
	12/11/2014	13:58	12/11/2014 13:58		40	35.5	17	70	30.3		4456.5	509.8	11337.57
	12/11/2014	15:34	12/11/2014 15:34		40	35.5	17	70	30.3		2910.7	333.0	11670.56
	12/11/2014	17:03	12/11/2014 17:03		40	35	17	60	30.6		2712.0	310.2	11980.80
	12/11/2014	17:04	12/11/2014 17:04			30					30.6	3.5	11984.31
SW-109 Event 12	3/11/2015	14:03	3/11/2015 14:03		34	34	0	92	0.0				11984.31
	3/11/2015	14:06	3/11/2015 14:06		34	32.5	0	92	0.0		0.0	0.0	11984.31
	3/11/2015	14:07	3/11/2015 14:07		37	35.5	3	92	5.1		2.5	0.3	11984.60
	3/11/2015	15:00	3/11/2015 15:00		36	34	5.5	93	9.2		379.5	43.4	12028.02
	3/11/2015	16:25	3/11/2015 16:25		36	33.5	7.5	90	12.6		928.9	106.3	12134.28
	3/11/2015	17:58	3/11/2015 17:58		36	33	8.5	86	14.4		1254.9	143.6	12277.84
	3/11/2015	17:59	3/11/2015 17:59			29					14.4	1.6	12279.48
Total CO ₂ Mass (lbs):												12279.48	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/10/2015	18:15	3/10/2015 18:15		38	37	13	80	27.8		2037.8	233.1	13964.33
	3/10/2015	18:16	3/10/2015 18:16			32					27.8	3.2	13967.51
SW-110 Event 9	3/12/2015	7:53	3/12/2015 7:53		30	26	15.5	70	30.8				13967.51
	3/12/2015	8:12	3/12/2015 8:12		31	27.5	12	70	24.1		521.4	59.6	14027.16
	3/12/2015	8:13	3/12/2015 8:13		40	33	20	70	44.0		34.1	3.9	14031.05
	3/12/2015	9:23	3/12/2015 9:23		41	35	18	72	39.9		2936.5	335.9	14366.99
	3/12/2015	10:36	3/12/2015 10:36		41	36	17	72	37.7		2831.3	323.9	14690.89
	3/12/2015	11:52	3/12/2015 11:52		41	36	16.5	71	36.6		2822.7	322.9	15013.81
	3/12/2015	12:50	3/12/2015 12:50		41	36	16	72	35.5		2089.9	239.1	15252.90
	3/12/2015	14:51	3/12/2015 14:51		41	36	16	72	35.5		4290.8	490.9	15743.77
	3/12/2015	16:25	3/12/2015 16:25		41	36	16.5	69	36.7		3390.5	387.9	16131.64
	3/12/2015	17:44	3/12/2015 17:44		41	35.5	17	66	37.9		2945.9	337.0	16468.65
	3/12/2015	17:45	3/12/2015 17:45			31					37.9	4.3	16472.99
SW-110 Event 10	4/19/2015	12:48	4/19/2015 12:48		32	32.5	0	92	0.0				16472.99
	4/19/2015	12:53	4/19/2015 12:53		31	31.5	3	92	5.9		14.7	1.7	16474.67
	4/19/2015	12:54	4/19/2015 12:54		36	36	6	92	12.4		9.2	1.0	16475.72
	4/19/2015	14:12	4/19/2015 14:12		36	36	6	90	12.5		970.9	111.1	16586.80
	4/19/2015	15:04	4/19/2015 15:04		36	36	6	86	12.5		649.1	74.3	16661.06
	4/19/2015	16:21	4/19/2015 16:21		36	35.5	6.5	86	13.5		1003.2	114.8	16775.82
	4/19/2015	18:07	4/19/2015 18:07		36	35	7.5	71	15.9		1558.8	178.3	16954.14
	4/19/2015	18:08	4/19/2015 18:08			32					15.9	1.8	16955.96
SW-110 Event 11	4/21/2015	7:37	4/21/2015 7:37		34	32	14	68	29.1				16955.96
	4/21/2015	7:46	4/21/2015 7:46		34	33	11.5	68	23.9		238.5	27.3	16983.24
	4/21/2015	7:47	4/21/2015 7:47		37	35	14	68	30.0		26.9	3.1	16986.32
	4/21/2015	9:13	4/21/2015 9:13		38	37	10	80	21.4		2209.0	252.7	17239.04
	4/21/2015	10:31	4/21/2015 10:31		38	37	10	84	21.3		1664.5	190.4	17429.45
	4/21/2015	12:04	4/21/2015 12:04		37	37	10	86	21.1		1969.3	225.3	17654.75
	4/21/2015	13:51	4/21/2015 13:51		37	37	10	87	21.0		2251.5	257.6	17912.32
	4/21/2015	16:00	4/21/2015 16:00		37	37	10	90	21.0		2709.3	309.9	18222.27
	4/21/2015	17:30	4/21/2015 17:30		37	36	10.5	90	22.0		1934.7	221.3	18443.61
	4/21/2015	17:31	4/21/2015 17:31			32					22.0	2.5	18446.13
SW-110 Event 12	4/23/2015	12:06	4/23/2015 12:06		36	30.5	18	94	37.2				18446.13
	4/23/2015	12:21	4/23/2015 12:21		37	33	16	95	33.4		529.8	60.6	18506.73
	4/23/2015	14:31	4/23/2015 14:31		37	35	12.5	96	26.1		3865.4	442.2	18948.94
	4/23/2015	17:13	4/23/2015 17:13		37	35	12	94	25.1		4142.5	473.9	19422.84
	4/23/2015	17:14	4/23/2015 17:14			30.5					25.1	2.9	19425.71
Total CO2 Mass (lbs):												19425.71	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/30/2015	12:57	3/30/2015 12:57		34	31	15	82	30.8		1846.9	211.3	35453.90
	3/30/2015	12:58	3/30/2015 12:58		38	33.5	18	82	38.4		34.6	4.0	35457.86
	3/30/2015	14:32	3/30/2015 14:32		38	33	20	70	43.2		3834.8	438.7	35896.56
	3/30/2015	16:02	3/30/2015 16:02		38	32	20	79	42.8		3869.2	442.6	36339.20
	3/30/2015	17:03	3/30/2015 17:03		38	32	20	77	42.9		2613.5	299.0	36638.18
	3/30/2015	17:52	3/30/2015 17:52		38	31.5	21	77	45.0		2153.9	246.4	36884.59
	3/30/2015	17:53	3/30/2015 17:53			20					45.0	5.2	36889.74
SW-111 Event 32	4/1/2015	7:47	4/1/2015 7:47		30	31	4	68	8.0				36889.74
	4/1/2015	8:05	4/1/2015 8:05		28	28.5	7	68	13.6		194.1	22.2	36911.95
	4/1/2015	8:06	4/1/2015 8:06		34	33	12	68	24.9		19.3	2.2	36914.15
	4/1/2015	9:12	4/1/2015 9:12		34	32	14	74	28.9		1777.5	203.3	37117.50
	4/1/2015	10:24	4/1/2015 10:24		34	31.5	14.5	80	29.8		2113.5	241.8	37359.28
	4/1/2015	11:49	4/1/2015 11:49		34	30	15	90	30.5		2562.9	293.2	37652.48
	4/1/2015	11:50	4/1/2015 11:50		38	34	18	90	38.1		34.3	3.9	37656.41
	4/1/2015	12:48	4/1/2015 12:48		38	34	18	93	38.0		2207.8	252.6	37908.98
	4/1/2015	13:40	4/1/2015 13:40		38	34	18	93	38.0		1976.6	226.1	38135.11
	4/1/2015	14:40	4/1/2015 14:40		38	34	18	91	38.1		2282.9	261.2	38396.27
	4/1/2015	15:46	4/1/2015 15:46		38	33	20	90	42.4		2654.5	303.7	38699.95
	4/1/2015	16:45	4/1/2015 16:45		38	32.5	20	87	42.5		2502.5	286.3	38986.24
	4/1/2015	17:50	4/1/2015 17:50		38	32	20	84	42.6		2764.9	316.3	39302.54
	4/1/2015	17:51	4/1/2015 17:51			20					42.6	4.9	39307.41
SW-111 Event 33	4/2/2015	7:32	4/2/2015 7:32		32	28	14	63	28.6				39307.41
	4/2/2015	7:44	4/2/2015 7:44		32	29	15	63	30.7		355.7	40.7	39348.11
	4/2/2015	7:45	4/2/2015 7:45		36	31.5	18	63	38.4		34.5	3.9	39352.06
	4/2/2015	8:22	4/2/2015 8:22		36	31.5	18	70	38.1		1414.8	161.9	39513.91
	4/2/2015	9:40	4/2/2015 9:40		36	31	19	80	39.8		3039.6	347.7	39861.64
	4/2/2015	9:41	4/2/2015 9:41		39	32.5	21	80	45.3		42.6	4.9	39866.51
	4/2/2015	10:51	4/2/2015 10:51		39	32.5	20	82	43.1		3094.7	354.0	40220.54
	4/2/2015	11:10	4/2/2015 11:10		39	32	22	84	47.3		858.8	98.2	40318.78
	4/2/2015	11:11	4/2/2015 11:11			22					47.3	5.4	40324.20
Total CO2 Mass (lbs):													40324.20

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	4/29/2015	9:55	4/29/2015 9:55		37	28.5	24	70	41.6		1304.53	149.24	28057.82
	4/29/2015	10:06	4/29/2015 10:06		37	28.5	24	70	41.6		457.53	52.34	28110.16
	4/29/2015	10:07	4/29/2015 10:07			19					41.59	4.76	28114.92
Total CO2 Mass (lbs):												28114.92	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	4/6/2015	13:45	4/6/2015 13:45		29	30	4	89	7.7		242.91	27.79	6893.49
	4/6/2015	13:46	4/6/2015 13:46		33	33.5	6	89	12.1		9.90	1.13	6894.62
	4/6/2015	15:03	4/6/2015 15:03		33	33	7	91	14.1		1007.62	115.27	7009.90
	4/6/2015	16:37	4/6/2015 16:37		33	32.5	9	90	18.1		1513.44	173.14	7183.03
	4/6/2015	17:42	4/6/2015 17:42		33	32	9	89	18.1		1178.38	134.81	7317.84
	4/6/2015	17:44	4/6/2015 17:44			20					36.27	4.15	7321.99
SW-114 Event 21	4/8/2015	7:48	4/8/2015 7:48		30	31	0	69	0.0				7321.99
	4/8/2015	8:34	4/8/2015 8:34		29	30	4	74	7.8		179.91	20.58	7342.57
	4/8/2015	8:36	4/8/2015 8:36		33	33	6	74	12.3		20.09	2.30	7344.87
	4/8/2015	9:22	4/8/2015 9:22		33	33	6.5	80	13.2		586.00	67.04	7411.91
	4/8/2015	10:45	4/8/2015 10:45		33	32.5	8	87	16.2		1218.62	139.41	7551.32
	4/8/2015	11:01	4/8/2015 11:01		33	32.5	8	88	16.1		258.32	29.55	7580.87
	4/8/2015	11:02	4/8/2015 11:02			19					16.14	1.85	7582.72
SW-114 Event 22	4/10/2015	6:31	4/10/2015 6:31		29	30	0	70	0.0				7582.72
	4/10/2015	6:34	4/10/2015 6:34		31	32	0	70	0.0		0.00	0.00	7582.72
	4/10/2015	7:02	4/10/2015 7:02		31	32	0	70	0.0		0.00	0.00	7582.72
	4/10/2015	7:29	4/10/2015 7:29		30	31.5	0	71	0.0		0.00	0.00	7582.72
	4/10/2015	7:31	4/10/2015 7:31		32	34	0	71	0.0		0.00	0.00	7582.72
	4/10/2015	7:57	4/10/2015 7:57		32	34	0	74	0.0		0.00	0.00	7582.72
	4/10/2015	8:32	4/10/2015 8:32		32	33	3	77	6.0		105.87	12.11	7594.83
	4/10/2015	8:33	4/10/2015 8:33		33	34.5	4	77	8.2		7.10	0.81	7595.64
	4/10/2015	9:19	4/10/2015 9:19		33	34	4.5	82	9.1		397.51	45.47	7641.12
	4/10/2015	9:36	4/10/2015 9:36		33	33.5	5	82	10.1		163.82	18.74	7659.86
	4/10/2015	9:37	4/10/2015 9:37			19					10.14	1.16	7661.02
SW-114 Event 23	4/12/2015	6:42	4/12/2015 6:42		31	32	0	71	0.0				7661.02
	4/12/2015	6:59	4/12/2015 6:59		30	31	0	71	0.0		0.00	0.00	7661.02
	4/12/2015	7:00	4/12/2015 7:00		33	34	4	71	8.2		4.10	0.47	7661.49
	4/12/2015	7:50	4/12/2015 7:50		32	34	4	71	8.1		407.88	46.66	7708.15
	4/12/2015	8:30	4/12/2015 8:30		32	32.5	7.5	72	15.2		466.24	53.34	7761.49
	4/12/2015	8:32	4/12/2015 8:32		34	34.5	9.5	72	19.7		34.86	3.99	7765.48
	4/12/2015	9:29	4/12/2015 9:29		35	35	8.5	73	17.8		1066.65	122.02	7887.50
	4/12/2015	10:13	4/12/2015 10:13		35	34.5	9	74	18.8		804.05	91.98	7979.48
	4/12/2015	10:58	4/12/2015 10:58		35	34	9	76	18.8		844.60	96.62	8076.11
	4/12/2015	10:59	4/12/2015 10:59			19					18.75	2.15	8078.25
Total CO2 Mass (lbs):												8078.25	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/24/2014	16:57	11/24/2014 16:57			28					62.15	7.11	6937.14
SW-115 Event 7	12/1/2014	12:04	12/1/2014 12:04		28	28	0	92	0.0				6937.14
	12/1/2014	12:13	12/1/2014 12:13		37	35	9	92	18.8		84.78	9.70	6946.84
	12/1/2014	12:44	12/1/2014 12:44		37	35	10	96	20.9		615.28	70.39	7017.23
	12/1/2014	12:45	12/1/2014 12:45		39	36	13	96	27.6		24.25	2.77	7020.00
	12/1/2014	13:54	12/1/2014 13:54		38	35	16	93	33.8		2119.24	242.44	7262.45
	12/1/2014	16:01	12/1/2014 16:01		38	32	20	86	42.5		4845.38	554.31	7816.76
	12/1/2014	16:02	12/1/2014 16:02		42	34	25	86	55.2		48.84	5.59	7822.34
	12/1/2014	16:57	12/1/2014 16:57		43	34	25	74	56.3		3065.12	350.65	8172.99
	12/1/2014	16:58	12/1/2014 16:58			27					56.30	6.44	8179.43
SW-115 Event 8	12/4/2014	12:23	12/4/2014 12:23		28	28	0	94	0.0				8179.43
	12/4/2014	12:57	12/4/2014 12:57		36	34	14	96	28.9		491.46	56.22	8235.66
	12/4/2014	13:18	12/4/2014 13:18		36	34	12	96	24.8		563.74	64.49	8300.15
	12/4/2014	13:19	12/4/2014 13:19			27					24.78	2.83	8302.98
	12/4/2014	14:50	12/4/2014 14:50										8302.98
SW-115 Event 9	12/8/2014	8:18	12/8/2014 8:18		29	31	0	55	0.0				8302.98
	12/8/2014	9:14	12/8/2014 9:14		29	29	4	56	8.0		222.94	25.50	8328.49
	12/8/2014	9:15	12/8/2014 9:15		34	33.5	9	56	18.9		13.45	1.54	8330.03
	12/8/2014	10:58	12/8/2014 10:58		34	32	11	64	23.0		2156.78	246.74	8576.76
	12/8/2014	10:59	12/8/2014 10:59		36	33.5	14	64	29.8		26.38	3.02	8579.78
	12/8/2014	12:47	12/8/2014 12:47		36	31.5	18	69	38.1		3669.64	419.81	8999.59
	12/8/2014	12:48	12/8/2014 12:48			25					38.14	4.36	9003.95
SW-115 Event 10	12/10/2014	7:48	12/10/2014 7:48		30	30	0	42	0.0				9003.95
	12/10/2014	8:06	12/10/2014 8:06		36	34	11	50	23.8		213.83	24.46	9028.41
	12/10/2014	9:39	12/10/2014 9:39		36	33	14.5	66	30.8		2537.77	290.32	9318.73
	12/10/2014	9:40	12/10/2014 9:40		38	34	18	66	39.0		34.92	3.99	9322.73
	12/10/2014	11:09	12/10/2014 11:09		38	33	20	74	43.0		3650.21	417.58	9740.31
	12/10/2014	11:10	12/10/2014 11:10		40	33.5	22	74	48.2		45.61	5.22	9745.53
	12/10/2014	12:39	12/10/2014 12:39		40	33	23	76	50.3		4384.46	501.58	10247.11
	12/10/2014	12:40	12/10/2014 12:40			24					50.31	5.76	10252.87
SW-115 Event 11	12/11/2014	7:47	12/11/2014 7:47		30	28	11	42	22.5				10252.87
	12/11/2014	7:59	12/11/2014 7:59		36	32	18	42	39.2		370.01	42.33	10295.20
	12/11/2014	10:04	12/11/2014 10:04		36	32	18	61	38.4		4852.96	555.18	10850.37
	12/11/2014	11:39	12/11/2014 11:39		36	30.5	19	69	40.3		3738.65	427.70	11278.08
	12/11/2014	11:40	12/11/2014 11:40		40	32	24	69	52.9		46.56	5.33	11283.40
	12/11/2014	12:35	12/11/2014 12:35		40	32	24	70	52.8		2905.84	332.43	11615.83
	12/11/2014	12:36	12/11/2014 12:36			25					52.81	6.04	11621.87
SW-115 Event 12	12/12/2014	7:39	12/12/2014 7:39		29	28	9	38	18.2				11621.87
	12/12/2014	7:50	12/12/2014 7:50		36	31	18	40	39.3		316.42	36.20	11658.07
	12/12/2014	9:52	12/12/2014 9:52		36	32	18	66	38.3		4729.85	541.09	12199.16
	12/12/2014	10:56	12/12/2014 10:56		36	31	18	76	37.9		2436.43	278.73	12477.89
	12/12/2014	10:57	12/12/2014 10:57		39	33	20	76	43.3		40.61	4.65	12482.54
	12/12/2014	11:23	12/12/2014 11:23		39	32	33	79	71.3		1490.35	170.50	12653.03
	12/12/2014	11:24	12/12/2014 11:24			25					71.30	8.16	12661.19
Total CO2 Mass (lbs):												12661.19	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-117 Event 1	10/23/2014	9:09	10/23/2014 9:09		18	19.5	0	72	0.0				
	10/23/2014	9:44	10/23/2014 9:44		12	12.5	0	77	0.0		0.00	0.00	0.00
	10/23/2014	9:45	10/23/2014 9:45		21	23	0	77	0.0		0.00	0.00	0.00
	10/23/2014	11:02	10/23/2014 11:02		21	23	0	87	0.0		0.00	0.00	0.00
	10/23/2014	11:03	10/23/2014 11:03		25	27	0	87	0.0		0.00	0.00	0.00
	10/23/2014	11:37	10/23/2014 11:37		24.5	26.5	0	88	0.0		0.00	0.00	0.00
	10/23/2014	11:38	10/23/2014 11:38		30	31	4	88	7.8		3.90	0.45	0.45
	10/23/2014	12:54	10/23/2014 12:54		30	31	6	84	11.8		743.40	85.04	85.49
	10/23/2014	12:55	10/23/2014 12:55		31	32	8	84	15.9		13.80	1.58	87.07
	10/23/2014	13:45	10/23/2014 13:45		31	32	8	85	15.8		792.16	90.62	177.69
	10/23/2014	15:12	10/23/2014 15:12		31	32	8	88	15.8		1375.76	157.39	335.08
	10/23/2014	16:22	10/23/2014 16:22		32	31	10	86	20.0		1252.47	143.28	478.36
	10/23/2014	16:47	10/23/2014 16:47		32	31	10	86	20.0		499.85	57.18	535.55
	10/23/2014	16:50	10/23/2014 16:50								59.98	6.86	542.41
SW-117 Event 2	10/29/2014	8:45	10/29/2014 8:45		30	29	0	70	0.0				542.41
	10/29/2014	9:06	10/29/2014 9:06		29	29	4	70	7.9		82.45	9.43	551.84
	10/29/2014	10:06	10/29/2014 10:06		30	29	8	81	15.7		707.15	80.90	632.74
	10/29/2014	10:07	10/29/2014 10:07		31	31	10	81	19.9		17.79	2.04	634.77
	10/29/2014	11:15	10/29/2014 11:15		31	31	11	88	21.7		1413.81	161.74	796.51
	10/29/2014	12:25	10/29/2014 12:25		30	30	12	92	23.3		1576.66	180.37	976.88
	10/29/2014	13:05	10/29/2014 13:05		31	30	12	92	23.6		938.65	107.38	1084.27
	10/29/2014	14:25	10/29/2014 14:25		31	30	12	90	23.6		1889.58	216.17	1300.43
	10/29/2014	15:25	10/29/2014 15:25		31	30	13	90	25.6		1477.62	169.04	1469.47
	10/29/2014	16:30	10/29/2014 16:30		30	29	14	90	27.3		1718.83	196.63	1666.11
	10/29/2014	16:32	10/29/2014 16:32			21					54.55	6.24	1672.35
SW-117 Event 3	11/6/2014	7:55	11/6/2014 7:55		21	21	0	66	0.0				1672.35
	11/6/2014	7:58	11/6/2014 7:58		31	31	0	66	0.0		0.00	0.00	1672.35
	11/6/2014	8:24	11/6/2014 8:24		30	31	7	68	13.9		181.06	20.71	1693.06
	11/6/2014	8:41	11/6/2014 8:41		30	31	8	68	15.9		253.69	29.02	1722.08
	11/6/2014	9:43	11/6/2014 9:43		30	30	8	86	15.6		978.42	111.93	1834.02
	11/6/2014	9:44	11/6/2014 9:44		32	31	10.5	86	21.0		18.32	2.10	1836.11
	11/6/2014	10:50	11/6/2014 10:50		32	31	11	84	22.0		1419.96	162.44	1998.55
	11/6/2014	10:53	11/6/2014 10:53		34	32.5	13	84	26.6		72.95	8.35	2006.90
	11/6/2014	13:09	11/6/2014 13:09		34	32.5	14	85	28.6		3755.06	429.58	2436.48
	11/6/2014	14:42	11/6/2014 14:42		34	31.5	15	82	30.8		2760.83	315.84	2752.32
	11/6/2014	14:43	11/6/2014 14:43		36	33	18	82	37.7		34.21	3.91	2756.23
	11/6/2014	16:20	11/6/2014 16:20		36	33	17.5	77	36.8		3611.26	413.13	3169.36
	11/6/2014	17:17	11/6/2014 17:17		36	30	18	72	38.0		2132.52	243.96	3413.32
	11/6/2014	17:18	11/6/2014 17:18			21.5					38.03	4.35	3417.67
SW-117 Event 4	11/13/2014	7:27	11/13/2014 7:27		24	24	0	61	0.0				3417.67
	11/13/2014	7:28	11/13/2014 7:28		31	31	0	61	0.0		0.00	0.00	3417.67
	11/13/2014	8:17	11/13/2014 8:17		30	29	9	70	17.9		437.87	50.09	3467.76
	11/13/2014	8:29	11/13/2014 8:29		30	29	10	70	19.9		226.38	25.90	3493.66
	11/13/2014	9:15	11/13/2014 9:15		30	29	10	70	19.9		913.48	104.50	3598.16
	11/13/2014	9:16	11/13/2014 9:16			19					19.86	2.27	3600.43
	11/13/2014	12:51	11/13/2014 12:51		28	30	0	80	0.0				3600.43
	11/13/2014	12:53	11/13/2014 12:53		32	32	0	80	0.0		0.00	0.00	3600.43
	11/13/2014	12:57	11/13/2014 12:57		32	31	4	80	8.0		16.09	1.84	3602.27
	11/13/2014	14:05	11/13/2014 14:05		30	29	11	84	21.6		1006.24	115.11	3717.39
	11/13/2014	14:07	11/13/2014 14:07		37	34	14	84	29.5		51.08	5.84	3723.23
	11/13/2014	16:04	11/13/2014 16:04		36	33	17	76	35.8		3820.51	437.07	4160.30

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/13/2014	16:47	11/13/2014 16:47		36	33	18	76	37.9		1583.71	181.18	4341.47
	11/13/2014	17:07	11/13/2014 17:07		36	32.5	18	71	38.1		759.50	86.89	4428.36
	11/13/2014	17:08	11/13/2014 17:08			22					38.07	4.35	4432.72
SW-117 Event 5	11/17/2014	12:22	11/17/2014 12:22		33	33	0	78	0.0				4432.72
	11/17/2014	12:56	11/17/2014 12:56		31	31	10	78	19.9		338.76	38.75	4471.47
	11/17/2014	14:12	11/17/2014 14:12		32	30	12	72	24.3		1681.30	192.34	4663.81
	11/17/2014	15:22	11/17/2014 15:22		32	30	13	70	26.4		1774.95	203.05	4866.87
	11/17/2014	16:43	11/17/2014 16:43		32	30	14	70	28.4		2220.26	254.00	5120.86
	11/17/2014	16:44	11/17/2014 16:44			22					28.43	3.25	5124.12
SW-117 Event 6	11/19/2014	7:12	11/19/2014 7:12		28	28	0	32	0.0				5124.12
	11/19/2014	7:28	11/19/2014 7:28		32	32	10	32	21.1		168.84	19.32	5143.43
	11/19/2014	9:07	11/19/2014 9:07		31	30	14	51	28.7		2463.02	281.77	5425.20
	11/19/2014	10:36	11/19/2014 10:36		30	30	14	62	28.0		2521.98	288.51	5713.71
	11/19/2014	12:23	11/19/2014 12:23		30	30	14	64	28.0		2995.29	342.66	6056.38
	11/19/2014	12:24	11/19/2014 12:24			23					27.97	3.20	6059.58
SW-117 Event 7	11/23/2014	7:47	11/23/2014 7:47		29	29	0		0.0				6059.58
	11/23/2014	8:02	11/23/2014 8:02		33	33	10	68	20.6		154.23	17.64	6077.22
	11/23/2014	8:25	11/23/2014 8:25		36	34	15	68	31.8		602.38	68.91	6146.13
	11/23/2014	10:13	11/23/2014 10:13		36	33	17	72	35.9		3657.67	418.44	6564.57
	11/23/2014	10:53	11/23/2014 10:53		36	34	18	74	38.0		1477.48	169.02	6733.59
	11/23/2014	12:08	11/23/2014 12:08		36	34	18	78	37.8		2841.22	325.04	7058.63
	11/23/2014	12:09	11/23/2014 12:09			20					37.81	4.33	7062.95
SW-117 Event 8	11/25/2014	7:19	11/25/2014 7:19		26	28	0	66	0.0				7062.95
	11/25/2014	7:33	11/25/2014 7:33		36	35	12	66	25.5		178.53	20.42	7083.38
	11/25/2014	8:36	11/25/2014 8:36		35	33	16	66	33.7		1863.74	213.21	7296.59
	11/25/2014	8:37	11/25/2014 8:37		38	35	18	66	39.0		36.34	4.16	7300.75
	11/25/2014	11:03	11/25/2014 11:03		38	34	20	70	43.2		6000.32	686.44	7987.18
	11/25/2014	12:06	11/25/2014 12:06		38	34	20	75	43.0		2713.70	310.45	8297.63
	11/25/2014	12:07	11/25/2014 12:07			22.5					42.97	4.92	8302.55
SW-117 Event 9	12/1/2014	7:58	12/1/2014 7:58		29	29	0	60	0.0				8302.55
	12/1/2014	8:01	12/1/2014 8:01		31	31	0	60	0.0		0.00	0.00	8302.55
	12/1/2014	8:54	12/1/2014 8:54		29	30	8	74	15.6		414.58	47.43	8349.97
	12/1/2014	8:55	12/1/2014 8:55		36	35	15	74	31.6		23.64	2.70	8352.68
	12/1/2014	10:02	12/1/2014 10:02		36	35	16	78	33.6		2185.50	250.02	8602.70
	12/1/2014	11:23	12/1/2014 11:23		36	35	16	82	33.5		2717.05	310.83	8913.53
	12/1/2014	12:09	12/1/2014 12:09		36	35	16	82	33.5		1540.05	176.18	9089.71
	12/1/2014	12:10	12/1/2014 12:10			23					33.48	3.83	9093.54
SW-117 Event 10	12/5/2014	7:58	12/5/2014 7:58		32	32	0	60	0.0				9093.54
	12/5/2014	8:09	12/5/2014 8:09		34	34	10	62	20.9		114.98	13.15	9106.69
	12/5/2014	10:00	12/5/2014 10:00		33	32.5	14	68	28.8		2758.09	315.53	9422.22
	12/5/2014	12:16	12/5/2014 12:16		32	31	16	70	32.5		4166.78	476.68	9898.90
	12/5/2014	12:17	12/5/2014 12:17			20					32.49	3.72	9902.62
SW-117 Event 11	12/18/2014	7:49	12/18/2014 7:49		29	29	0	46	0.0				9902.62
	12/18/2014	8:03	12/18/2014 8:03		36	35	10	46	21.7		151.81	17.37	9919.98
	12/18/2014	9:33	12/18/2014 9:33		34	32	15	50	31.7		2404.28	275.05	10195.03
	12/18/2014	9:34	12/18/2014 9:34		38	35	20	50	44.1		37.90	4.34	10199.37
	12/18/2014	11:08	12/18/2014 11:08		38	34.5	20	66	43.4		4108.21	469.98	10669.35
	12/18/2014	12:27	12/18/2014 12:27		38	34	21	70	45.3		3503.27	400.77	11070.12
	12/18/2014	14:47	12/18/2014 14:47		38	34	22	72	47.4		6492.08	742.69	11812.82
	12/18/2014	14:48	12/18/2014 14:48			20					47.40	5.42	11818.24
SW-117 Event 12	1/5/2015	14:08	1/5/2015 14:08		30	31	0	76	0.0				11818.24

Sparge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)	Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/5/2015	14:40	1/5/2015 14:40	28	29	6	78	11.6	184.83	21.14	11839.38
	1/5/2015	14:41	1/5/2015 14:41	34	34	11	78	22.6	17.10	1.96	11841.34
	1/5/2015	15:54	1/5/2015 15:54	34	34	12.5	75	25.8	1768.01	202.26	12043.60
	1/5/2015	17:05	1/5/2015 17:05	35	34	14	68	29.4	1959.49	224.17	12267.77
	1/5/2015	17:06	1/5/2015 17:06		24				29.40	3.36	12271.13
SW-117 Event 13	1/7/2015	7:34	1/7/2015 7:34	29	29	0	42	0.0			12271.13
	1/7/2015	7:45	1/7/2015 7:45	35	35.5	10	42	21.6	118.57	13.56	12284.69
	1/7/2015	9:24	1/7/2015 9:24	34	33	15	65	31.3	2614.75	299.13	12583.82
	1/7/2015	11:41	1/7/2015 11:41	34	32	16	72	33.1	4410.45	504.56	13088.38
	1/7/2015	11:42	1/7/2015 11:42	36	34	18	72	38.0	35.58	4.07	13092.45
	1/7/2015	12:08	1/7/2015 12:08	36	34	18	72	38.0	988.79	113.12	13205.56
	1/7/2015	12:09	1/7/2015 12:09		22				38.03	4.35	13209.92
SW-117 Event 14	1/9/2015	7:44	1/9/2015 7:44	28	28	0	40	0.0			13209.92
	1/9/2015	7:54	1/9/2015 7:54	35	35	10	42	21.6	107.79	12.33	13222.25
	1/9/2015	9:32	1/9/2015 9:32	34	32	16	53	33.8	2710.26	310.05	13532.30
	1/9/2015	9:33	1/9/2015 9:33	38	35	19	53	41.7	37.74	4.32	13536.62
	1/9/2015	11:15	1/9/2015 11:15	37	34.5	19	62	40.9	4216.33	482.35	14018.97
	1/9/2015	11:16	1/9/2015 11:16		21				40.95	4.68	14023.65
SW-117 Event 15	1/12/2015	8:13	1/12/2015 8:13	33	33	0	60	0.0			14023.65
	1/12/2015	8:37	1/12/2015 8:37	33	33.5	11	62	22.8	273.06	31.24	14054.89
	1/12/2015	9:32	1/12/2015 9:32	34	33.5	15	66	31.2	1484.71	169.85	14224.74
	1/12/2015	11:24	1/12/2015 11:24	34	33	16	68	33.3	3611.17	413.12	14637.86
	1/12/2015	12:22	1/12/2015 12:22	34	33	16	68	33.3	1928.56	220.63	14858.48
	1/12/2015	12:23	1/12/2015 12:23		22				33.25	3.80	14862.29
SW-117 Event 16	1/14/2015	12:40	1/14/2015 12:40	28	28	0	62	0.0			14862.29
	1/14/2015	13:00	1/14/2015 13:00	35	35	10	62	21.1	211.23	24.16	14886.45
	1/14/2015	14:36	1/14/2015 14:36	35	34	14	60	29.6	2436.19	278.70	15165.15
	1/14/2015	16:01	1/14/2015 16:01	34	32.5	14.5	60	30.4	2550.21	291.74	15456.90
	1/14/2015	17:22	1/14/2015 17:22	33	32	16	56	33.3	2578.70	295.00	15751.90
	1/14/2015	17:23	1/14/2015 17:23		22				33.30	3.81	15755.71
SW-117 Event 17	1/16/2015	8:00	1/16/2015 8:00	31	31	0	48	0.0	0.00	0.00	15755.71
	1/16/2015	8:37	1/16/2015 8:37	35	34	14	50	29.9	553.76	63.35	15819.06
	1/16/2015	10:06	1/16/2015 10:06	34	33	15	63	31.3	2726.08	311.86	16130.92
	1/16/2015	11:08	1/16/2015 11:08	34	32	16	67	33.3	2002.94	229.14	16360.06
	1/16/2015	12:43	1/16/2015 12:43	34	32	16	68	33.3	3160.40	361.55	16721.61
	1/16/2015	12:44	1/16/2015 12:44		21				33.25	3.80	16725.41
SW-117 Event 18	1/19/2015	7:42	1/19/2015 7:42	28	29	0	40	0.0			16725.41
	1/19/2015	8:36	1/19/2015 8:36	35	35	12	56	25.5	688.52	78.77	16804.18
	1/19/2015	10:27	1/19/2015 10:27	35	34	15	72	31.4	3156.49	361.10	17165.28
	1/19/2015	12:27	1/19/2015 12:27	34	33	16	78	32.9	3858.10	441.37	17606.65
	1/19/2015	12:28	1/19/2015 12:28		22				32.93	3.77	17610.42
SW-117 Event 19	1/21/2015	12:05	1/21/2015 12:05	38	37	0	84	0.0			17610.42
	1/21/2015	13:38	1/21/2015 13:38	34	33.5	14	88	28.5	1327.06	151.82	17762.23
	1/21/2015	15:12	1/21/2015 15:12	34	33.5	15	82	30.8	2786.69	318.80	18081.03
	1/21/2015	16:30	1/21/2015 16:30	34	33	16	82	32.8	2478.64	283.56	18364.59
	1/21/2015	17:27	1/21/2015 17:27	34	33	16	76	33.0	1875.15	214.52	18579.10
	1/21/2015	17:28	1/21/2015 17:28		24				32.99	3.77	18582.88
SW-117 Event 20	1/23/2015	7:49	1/23/2015 7:49	34	34	0	60	0.0			18582.88
	1/23/2015	7:57	1/23/2015 7:57	35	35	10	60	21.2	84.66	9.69	18592.56
	1/23/2015	9:02	1/23/2015 9:02	35	35	10	63	21.1	1373.68	157.15	18749.71
	1/23/2015	10:04	1/23/2015 10:04	35	34	12	63	25.3	1439.14	164.64	18914.35

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/23/2015	11:09	1/23/2015 11:09		35	33	14	65	29.5		1781.20	203.77	19118.12
	1/23/2015	11:10	1/23/2015 11:10			24					29.48	3.37	19121.49
SW-117 Event 21	2/2/2015	12:56	2/2/2015 12:56		29	30	0	72	0.0				19121.49
	2/2/2015	13:18	2/2/2015 13:18		27	28	4	73	7.6		84.11	9.62	19131.11
	2/2/2015	13:19	2/2/2015 13:19		34	34	9	73	18.6		13.13	1.50	19132.62
	2/2/2015	15:24	2/2/2015 15:24		34	31	14	72	29.0		2974.57	340.29	19472.91
	2/2/2015	15:25	2/2/2015 15:25		38	34	18	72	38.8		33.88	3.88	19476.78
	2/2/2015	17:22	2/2/2015 17:22		38	33.5	20	66	43.4		4805.01	549.69	20026.48
	2/2/2015	17:23	2/2/2015 17:23			22					43.35	4.96	20031.44
SW-117 Event 22	2/9/2015	12:49	2/9/2015 12:49		28	28	0	72	0.0				20031.44
	2/9/2015	12:57	2/9/2015 12:57		26	27	0	72	0.0		0.00	0.00	20031.44
	2/9/2015	12:58	2/9/2015 12:58		35	35	4	72	8.4		4.18	0.48	20031.91
	2/9/2015	14:28	2/9/2015 14:28		35	33.5	12	72	25.1		1505.90	172.28	20204.19
	2/9/2015	15:45	2/9/2015 15:45		35	32.5	14	72	29.3		2093.63	239.51	20443.70
	2/9/2015	17:12	2/9/2015 17:12		34	32	14	68	29.1		2539.36	290.50	20734.20
	2/9/2015	17:13	2/9/2015 17:13			22					29.09	3.33	20737.53
SW-117 Event 23	2/27/2015	7:44	2/27/2015 7:44		30	29	0	47	0.0				20737.53
	2/27/2015	8:05	2/27/2015 8:05		27	27	6	48	11.8		123.45	14.12	20751.65
	2/27/2015	8:06	2/27/2015 8:06		35	34.5	12	48	25.7		18.73	2.14	20753.80
	2/27/2015	9:31	2/27/2015 9:31		35	32	15	56	31.9		2447.37	279.98	21033.78
	2/27/2015	11:11	2/27/2015 11:11		34	31	16	58	33.6		3272.95	374.43	21408.20
	2/27/2015	11:12	2/27/2015 11:12			21					33.58	3.84	21412.04
SW-117 Event 24	3/2/2015	7:50	3/2/2015 7:50		28	29	0	58	0.0				21412.04
	3/2/2015	8:16	3/2/2015 8:16		27	27	5	59	9.7		125.97	14.41	21426.45
	3/2/2015	8:17	3/2/2015 8:17		33.5	33	10	59	20.9		15.27	1.75	21428.20
	3/2/2015	10:00	3/2/2015 10:00		32	30.5	12.5	67	25.5		2385.16	272.86	21701.06
	3/2/2015	10:01	3/2/2015 10:01		35	33	16	67	33.6		29.54	3.38	21704.44
	3/2/2015	11:25	3/2/2015 11:25		36	32	16	70	33.9		2835.02	324.33	22028.77
	3/2/2015	12:20	3/2/2015 12:20		36	32	17	70	36.0		1921.14	219.78	22248.55
	3/2/2015	12:21	3/2/2015 12:21			19					35.99	4.12	22252.67
SW-117 Event 25	3/4/2015	12:05	3/4/2015 12:05		32	32.5	0	87	0.0				22252.67
	3/4/2015	12:15	3/4/2015 12:15		31	31	<2	88	0.0		0.00	0.00	22252.67
	3/4/2015	12:16	3/4/2015 12:16		36	35.5	6	88	12.5		6.24	0.71	22253.38
	3/4/2015	13:47	3/4/2015 13:47		35	33	13	90	26.7		1783.95	204.08	22457.46
	3/4/2015	15:13	3/4/2015 15:13		35	32	15	88	30.9		2477.61	283.44	22740.90
	3/4/2015	17:00	3/4/2015 17:00		35	31	16	82	33.1		3425.97	391.93	23132.83
	3/4/2015	17:01	3/4/2015 17:01			19					33.14	3.79	23136.62
SW-117 Event 26	3/6/2015	7:36	3/6/2015 7:36		31	30.5	0	49	0.0				23136.62
	3/6/2015	7:56	3/6/2015 7:56		28	28	5.5	49	10.9		108.97	12.47	23149.09
	3/6/2015	7:57	3/6/2015 7:57		35	34	10	49	21.4		16.15	1.85	23150.94
	3/6/2015	9:13	3/6/2015 9:13		34	33	15	52	31.7		2016.99	230.74	23381.68
	3/6/2015	10:03	3/6/2015 10:03		34	32	14	52	29.6		1531.01	175.15	23556.83
	3/6/2015	11:00	3/6/2015 11:00		34	31	15	53	31.6		1744.43	199.56	23756.39
	3/6/2015	11:01	3/6/2015 11:01			20					31.64	3.62	23760.01
SW-117 Event 27	3/9/2015	8:33	3/9/2015 8:33		28	30	0	56	0.0				23760.01
	3/9/2015	8:46	3/9/2015 8:46		28	28	4	60	7.8		50.95	5.83	23765.84
	3/9/2015	8:47	3/9/2015 8:47		35	34	8	60	16.9		12.38	1.42	23767.26
	3/9/2015	10:00	3/9/2015 10:00		34	32	12	78	24.7		1519.45	173.82	23941.08
	3/9/2015	11:32	3/9/2015 11:32		34	31	14	85	28.6		2452.57	280.57	24221.65
	3/9/2015	11:33	3/9/2015 11:33		38	35	19	85	40.4		34.52	3.95	24225.60
	3/9/2015	12:33	3/9/2015 12:33		38	35	19	86	40.4		2424.59	277.37	24502.98

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/9/2015	12:34	3/9/2015 12:34			18					40.39	4.62	24507.60
SW-117 Event 28	3/23/2015	8:07	3/23/2015 8:07		30	30	0	62	0.0				24507.60
	3/23/2015	8:27	3/23/2015 8:27		30	28.5	4.5	63	9.0		89.98	10.29	24517.89
	3/23/2015	8:28	3/23/2015 8:28		36	34	8	63	17.1		13.03	1.49	24519.38
	3/23/2015	9:33	3/23/2015 9:33		36	32.5	12	64	25.6		1384.76	158.42	24677.80
	3/23/2015	10:39	3/23/2015 10:39		36	32	14	65	29.8		1826.17	208.91	24886.71
	3/23/2015	12:18	3/23/2015 12:18		36	31	15.5	69	32.8		3100.14	354.66	25241.37
	3/23/2015	12:19	3/23/2015 12:19		38	33.5	18	69	38.9		35.87	4.10	25245.47
	3/23/2015	13:23	3/23/2015 13:23		38	33.5	18	72	38.8		2485.96	284.39	25529.87
	3/23/2015	15:09	3/23/2015 15:09		38	33	18.5	68	40.0		4176.73	477.82	26007.68
	3/23/2015	16:37	3/23/2015 16:37		38	32	20	66	43.4		3668.35	419.66	26427.34
	3/23/2015	17:46	3/23/2015 17:46		38	32	20	64	43.4		2994.21	342.54	26769.88
	3/23/2015	17:47	3/23/2015 17:47			20					43.44	4.97	26774.85
SW-117 Event 29	3/27/2015	7:58	3/27/2015 7:58		30	30	0	69	0.0				26774.85
	3/27/2015	8:23	3/27/2015 8:23		30	28	5.5	70	10.9		136.52	15.62	26790.47
	3/27/2015	8:24	3/27/2015 8:24		36	34	10	70	21.2		16.05	1.84	26792.30
	3/27/2015	9:21	3/27/2015 9:21		35	33	14.5	72	30.3		1467.66	167.90	26960.20
	3/27/2015	10:26	3/27/2015 10:26		35	31	16.5	75	34.4		2103.95	240.69	27200.90
	3/27/2015	11:25	3/27/2015 11:25		35	30.5	17	77	35.4		2058.90	235.54	27436.44
	3/27/2015	12:12	3/27/2015 12:12		35	29.5	18	78	37.4		1711.10	195.75	27632.18
	3/27/2015	12:15	3/27/2015 12:15		40	34	22	78	48.0		128.19	14.66	27646.85
	3/27/2015	13:24	3/27/2015 13:24		40	33.5	22.5	80	49.0		3348.41	383.06	28029.91
	3/27/2015	14:14	3/27/2015 14:14		40	33	23	80	50.1		2478.53	283.54	28313.45
	3/27/2015	15:01	3/27/2015 15:01		40	32.5	23.5	78	51.3		2383.36	272.66	28586.11
	3/27/2015	16:06	3/27/2015 16:06		40	32.5	23.5	72	51.6		3344.56	382.62	28968.73
	3/27/2015	17:06	3/27/2015 17:06		40	32	24	72	52.7		3129.27	357.99	29326.71
	3/27/2015	17:42	3/27/2015 17:42			19					1897.33	217.05	29543.77
SW-117 Event 30	3/28/2015	7:57	3/28/2015 7:57		31	30	0	56	0.0				29543.77
	3/28/2015	8:24	3/28/2015 8:24		30	28	5.5	58	11.1		149.21	17.07	29560.84
	3/28/2015	8:25	3/28/2015 8:25		31	30	7	58	14.2		12.64	1.45	29562.28
	3/28/2015	8:54	3/28/2015 8:54		31	28.5	10	61	20.3		500.06	57.21	29619.49
	3/28/2015	8:55	3/28/2015 8:55		37	33.5	15	61	32.4		26.31	3.01	29622.50
	3/28/2015	10:00	3/28/2015 10:00		36	31.5	17	67	36.1		2224.75	254.51	29877.01
	3/28/2015	10:01	3/28/2015 10:01		42	35	22	67	49.4		42.77	4.89	29881.90
	3/28/2015	11:02	3/28/2015 11:02		42	35	22.5	71	50.4		3044.42	348.28	30230.18
	3/28/2015	12:02	3/28/2015 12:02		42	34	23	72	51.4		3054.29	349.41	30579.60
	3/28/2015	12:59	3/28/2015 12:59		42	33.5	24	72	53.7		2995.77	342.72	30922.31
	3/28/2015	13:00	3/28/2015 13:00		44	35	26	72	59.2		56.43	6.46	30928.77
	3/28/2015	13:49	3/28/2015 13:49		44	35	26	72	59.2		2900.02	331.76	31260.53
	3/28/2015	15:07	3/28/2015 15:07		44	35	26	75	59.0		4609.56	527.33	31787.86
	3/28/2015	16:00	3/28/2015 16:00		44	34.5	26	74	59.1		3129.05	357.96	32145.83
	3/28/2015	16:01	3/28/2015 16:01			20					59.07	6.76	32152.58
Total CO2 Mass (lbs):												32152.58	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-118 Event 1	10/22/2014	8:58	10/22/2014 8:58		10	10	0	72	0.0				
	10/22/2014	9:00	10/22/2014 9:00		16	16	0	72	0.0		0.0	0.0	0.00
	10/22/2014	9:50	10/22/2014 9:50		16	16	0	77	0.0		0.0	0.0	0.00
	10/22/2014	9:51	10/22/2014 9:51		24	24	0	77	0.0		0.0	0.0	0.00
	10/22/2014	10:28	10/22/2014 10:28		23.5	23.5	0	80	0.0		0.0	0.0	0.00
	10/22/2014	10:29	10/22/2014 10:29		29	28.5	7	80	13.6		6.8	0.8	0.78
	10/22/2014	10:55	10/22/2014 10:55		28	27.5	10	82	19.2		426.3	48.8	49.54
	10/22/2014	10:57	10/22/2014 10:57		30	28.5	12	82	23.6		42.7	4.9	54.43
	10/22/2014	14:11	10/22/2014 14:11		29	27	14	87	27.0		4907.8	561.5	615.89
	10/22/2014	14:13	10/22/2014 14:13		30	27	16	87	31.3		58.3	6.7	622.56
	10/22/2014	15:38	10/22/2014 15:38		30	27	16	88	31.2		2655.8	303.8	926.38
	10/22/2014	16:27	10/22/2014 16:27		29.5	27.5	17	86	33.1		1575.0	180.2	1106.56
	10/22/2014	18:04	10/22/2014 18:04		29	27	18	78	35.1		3303.8	378.0	1484.52
10/22/2014	18:06	10/22/2014 18:06								70.1	8.0	1492.54	
SW-118 Event 2	10/30/2014	8:06	10/30/2014 8:06		30	29	22	64	43.9				1492.54
	10/30/2014	8:35	10/30/2014 8:35								1274.4	145.8	1638.34
	10/30/2014	9:10	10/30/2014 9:10		25	25	0	80	0.0				1638.34
	10/30/2014	10:30	10/30/2014 10:30		22	23	7	90	12.3		493.7	56.5	1694.82
	10/30/2014	10:32	10/30/2014 10:32		27	25	14	90	26.3		38.7	4.4	1699.24
	10/30/2014	11:45	10/30/2014 11:45		27	25	14	90	26.3		1922.3	219.9	1919.15
	10/30/2014	12:45	10/30/2014 12:45		27.5	26	14	92	26.4		1583.3	181.1	2100.28
	10/30/2014	12:47	10/30/2014 12:47			20		92			52.9	6.1	2106.33
SW-118 Event 3	11/7/2014	7:35	11/7/2014 7:35		22	19	0	60	0.0				2106.33
	11/7/2014	7:37	11/7/2014 7:37		31	31	11	60	22.3		22.3	2.6	2108.88
	11/7/2014	7:54	11/7/2014 7:54		30	31	15	61	30.1		445.1	50.9	2159.80
	11/7/2014	8:06	11/7/2014 8:06		30	29	16	62	32.0		372.5	42.6	2202.41
	11/7/2014	8:07	11/7/2014 8:07		32	30	18	64	36.8		34.4	3.9	2206.34
	11/7/2014	8:18	11/7/2014 8:18		32	30	19	66	38.7		415.2	47.5	2253.84
	11/7/2014	8:52	11/7/2014 8:52		32	30	20	68	40.7		1350.1	154.5	2408.29
	11/7/2014	10:26	11/7/2014 10:26		32	29	20	74	40.5		3813.5	436.3	2844.56
	11/7/2014	12:01	11/7/2014 12:01		31	28	22	74	44.0		4011.8	459.0	3303.51
	11/7/2014	13:34	11/7/2014 13:34		32	27	22	80	44.2		4103.6	469.4	3772.96
	11/7/2014	13:35	11/7/2014 13:35		38	28.5	28	80	59.9		52.1	6.0	3778.91
	11/7/2014	14:03	11/7/2014 14:03		37	28.5	28	76	59.5		1671.4	191.2	3970.12
	11/7/2014	15:52	11/7/2014 15:52		38	28.5	28	72	60.3		6531.8	747.2	4717.36
11/7/2014	15:53	11/7/2014 15:53			22					60.3	6.9	4724.26	
SW-118 Event 4	11/11/2014	11:26	11/11/2014 11:26		19	21	0	92	0.0				4724.26
	11/11/2014	11:30	11/11/2014 11:30		32	32	12	92	23.9		47.7	5.5	4729.72
	11/11/2014	12:31	11/11/2014 12:31		30	29	18	86	35.2		1801.3	206.1	4935.78
	11/11/2014	12:32	11/11/2014 12:32		33	30	20	86	40.4		37.8	4.3	4940.11
	11/11/2014	14:58	11/11/2014 14:58		38	30	26	82	55.5		7000.9	800.9	5741.01
	11/11/2014	16:44	11/11/2014 16:44		37	30	28	76	59.5		6095.0	697.3	6438.28
	11/11/2014	17:30	11/11/2014 17:30		38	33	34	68	73.6		3060.5	350.1	6788.40
	11/11/2014	17:31	11/11/2014 17:31			25					73.6	8.4	6796.82
SW-118 Event 5	11/13/2014	7:41	11/13/2014 7:41		22	20	0	63	0.0				6796.82
	11/13/2014	7:43	11/13/2014 7:43		31	30	12	63	24.3		24.3	2.8	6799.59
	11/13/2014	8:18	11/13/2014 8:18		30	29	18	70	35.7		1050.2	120.1	6919.73
	11/13/2014	8:27	11/13/2014 8:27		30	29	18	70	35.7		321.7	36.8	6956.54
	11/13/2014	9:14	11/13/2014 9:14		30	28	20	70	39.7		1773.3	202.9	7159.40
	11/13/2014	9:15	11/13/2014 9:15		37	30.5	26	70	55.6		47.7	5.5	7164.86
	11/13/2014	12:09	11/13/2014 12:09		36	28	28	80	58.7		9943.3	1137.5	8302.38

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/18/2015	10:50	2/18/2015 10:50		35	26.5	26	64	54.8		6487.7	742.2	20877.88
	2/18/2015	10:51	2/18/2015 10:51		40	27.5	30	64	66.4		60.6	6.9	20884.81
	2/18/2015	12:04	2/18/2015 12:04		40	27.5	30	67	66.2		4840.2	553.7	21438.54
	2/18/2015	12:40	2/18/2015 12:40		40	27.5	30	67	66.2		2383.4	272.7	21711.20
	2/18/2015	12:42	2/18/2015 12:42			19					132.4	15.1	21726.35
SW-118 Event 14	3/24/2015	7:58	3/24/2015 7:58		30	30	0	62	0.0				21726.35
	3/24/2015	8:19	3/24/2015 8:19		29	26.5	10	62	19.8		207.8	23.8	21750.11
	3/24/2015	8:20	3/24/2015 8:20		36	32	18	62	38.4		29.1	3.3	21753.44
	3/24/2015	9:09	3/24/2015 9:09		36	29	24	64	51.1		2193.2	250.9	22004.34
	3/24/2015	10:33	3/24/2015 10:33		36	26.5	25	66	53.1		4378.2	500.9	22505.20
	3/24/2015	10:34	3/24/2015 10:34		40	28	30	66	66.3		59.7	6.8	22512.03
	3/24/2015	11:58	3/24/2015 11:58		40	28	30	70	66.0		5555.8	635.6	23147.61
	3/24/2015	13:09	3/24/2015 13:09		40	27.5	30	70	66.0		4686.7	536.2	23683.77
	3/24/2015	14:30	3/24/2015 14:30		40	27	30	69	66.1		5349.4	612.0	24295.74
	3/24/2015	15:40	3/24/2015 15:40		40	27	32	68	70.5		4781.8	547.0	24842.78
	3/24/2015	15:42	3/24/2015 15:42		39	26	30	68	65.5		136.1	15.6	24858.34
	3/24/2015	17:07	3/24/2015 17:07		39	26	30	68	65.5		5569.3	637.1	25495.48
	3/24/2015	17:52	3/24/2015 17:52		39	26	30	66	65.7		2951.4	337.6	25833.12
	3/24/2015	17:53	3/24/2015 17:53			19					65.7	7.5	25840.63
SW-118 Event 15	3/28/2015	7:32	3/28/2015 7:32		30	28	10	42	20.4				25840.63
	3/28/2015	7:42	3/28/2015 7:42		29	25	14	42	28.3		243.5	27.9	25868.48
	3/28/2015	7:43	3/28/2015 7:43		38	31	23	42	51.1		39.7	4.5	25873.02
	3/28/2015	8:54	3/28/2015 8:54		37	27	27	61	58.2		3881.4	444.0	26317.05
	3/28/2015	8:56	3/28/2015 8:56		38	27.5	28.5	61	62.1		120.3	13.8	26330.81
	3/28/2015	9:54	3/28/2015 9:54		38	27	29	66	62.9		3623.4	414.5	26745.33
	3/28/2015	10:00	3/28/2015 10:00			19					377.2	43.1	26788.47
Total CO ₂ Mass (lbs):												26788.47	

Sparge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)	Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	11/21/2014	16:51	11/21/2014 16:51		21				47.63146938	5.449039936	4759.52
SW-119 Event 6	11/24/2014	7:23	11/24/2014 7:23	25	25	0	72	0.0			4759.52
	11/24/2014	7:24	11/24/2014 7:24	34	33	10	74	20.7	10.33013347	1.181767225	4760.70
	11/24/2014	9:40	11/24/2014 9:40	34	31.5	16	84	32.7	3631.216446	415.4111633	5176.11
	11/24/2014	9:42	11/24/2014 9:42	36	33	20	84	41.8	74.5091475	8.523846626	5184.63
	11/24/2014	11:15	11/24/2014 11:15	36	32.5	20	87	41.7	3878.997986	443.7573853	5628.39
	11/24/2014	12:33	11/24/2014 12:33	36	32	22	84	45.9	3416.252804	390.8193054	6019.21
	11/24/2014	12:34	11/24/2014 12:34		22				45.94608655	5.256232262	6024.47
SW-119 Event 7	1/9/2015	7:41	1/9/2015 7:41	29	29	0	40	0.0			6024.47
	1/9/2015	7:52	1/9/2015 7:52	34	34	6	42	12.8	70.40837761	8.054718971	6032.52
	1/9/2015	9:29	1/9/2015 9:29	33	31	11	53	23.0	1734.52125	198.4292297	6230.95
	1/9/2015	9:30	1/9/2015 9:30	36	33.5	15	53	32.3	27.63030347	3.160906792	6234.11
	1/9/2015	10:06	1/9/2015 10:06	36	33	15	58	32.1	1159.819725	132.6833801	6366.79
	1/9/2015	10:07	1/9/2015 10:07		23				32.13562404	3.676315308	6370.47
SW-119 Event 8	2/26/2015	7:54	2/26/2015 7:54	33	32.5	0	50	0.0	0	0	6370.47
	2/26/2015	8:27	2/26/2015 8:27	32	31	6.5	52	13.4	221.7029829	25.36282158	6395.83
	2/26/2015	8:28	2/26/2015 8:28	36	34	10	52	21.6	17.49552446	2.001488209	6397.84
	2/26/2015	9:28	2/26/2015 9:28	36	33.5	13	56	27.9	1483.850326	169.7524719	6567.59
	2/26/2015	10:36	2/26/2015 10:36	36	33	15	60	32.1	2039.260323	233.2913818	6800.88
	2/26/2015	11:49	2/26/2015 11:49	35	31.5	17	68	35.7	2473.493767	282.9676819	7083.85
	2/26/2015	12:41	2/26/2015 12:41	35	31	18	68	37.8	1910.779419	218.5931702	7302.44
	2/26/2015	12:42	2/26/2015 12:42		23				37.79563535	4.323820591	7306.76
SW-119 Event 9	3/3/2015	8:03	3/3/2015 8:03	30	30.5	0	66	0.0			7306.76
	3/3/2015	8:14	3/3/2015 8:14	28	29.5	3	66	5.8	32.13964151	3.676774979	7310.44
	3/3/2015	8:19	3/3/2015 8:19	34	34.5	8	66	16.7	56.25467426	6.435534477	7316.88
	3/3/2015	9:24	3/3/2015 9:24	34	32	10	70	20.7	1215.479531	139.0508575	7455.93
	3/3/2015	9:25	3/3/2015 9:25		23.5				20.74107155	2.372778654	7458.30
SW-119 Event 10	3/13/2015	7:52	3/13/2015 7:52	29.5	28.5	0	64	0.0	0	0	7458.30
	3/13/2015	8:10	3/13/2015 8:10	29.5	28	<2	64	0.0			7458.30
	3/13/2015	8:11	3/13/2015 8:11	34	34	6	64	12.5	6.259245827	0.716057718	7459.02
	3/13/2015	8:56	3/13/2015 8:56	35	33	8.5	64	17.9	684.8370123	78.3453598	7537.36
	3/13/2015	9:45	3/13/2015 9:45	35	31.5	11	64	23.2	1007.136836	115.2164536	7652.58
	3/13/2015	9:47	3/13/2015 9:47	38	35	15.5	64	33.7	56.85299862	6.503983021	7659.08
	3/13/2015	10:36	3/13/2015 10:36	38	35	16	65	34.7	1675.29797	191.6540833	7850.74
	3/13/2015	10:37	3/13/2015 10:37		29				34.71542751	3.971444845	7854.71
SW-119 Event 11	3/16/2015	7:44	3/16/2015 7:44	32	31	3	54	6.2			7854.71
	3/16/2015	8:34	3/16/2015 8:34	32	30.5	6	66	12.2	460.4835748	52.67932129	7907.39
	3/16/2015	8:35	3/16/2015 8:35	35	33.5	8	66	16.8	14.53083997	1.662328124	7909.05
	3/16/2015	9:56	3/16/2015 9:56	34	32	11	80	22.6	1596.762526	182.669632	8091.72
	3/16/2015	9:58	3/16/2015 9:58		23				45.18994895	5.169730186	8096.89
Total CO ₂ Mass (lbs):											8096.89

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/9/2014	9:29	12/9/2014 9:29		37	36.5	4.5	56	9.8		1539.1	176.07	1212.26
	12/9/2014	10:26	12/9/2014 10:26		37	36.5	4.5	70	9.6		552.3	63.18	1275.44
	12/9/2014	11:51	12/9/2014 11:51		36	36	4.5	77	9.5		811.0	92.78	1368.22
	12/9/2014	12:59	12/9/2014 12:59		36	35	5	80	10.5		678.1	77.57	1445.79
	12/9/2014	13:00	12/9/2014 13:00		38	37	7	80	15.0		12.7	1.46	1447.25
	12/9/2014	15:28	12/9/2014 15:28		39	39	6	77	13.0		2068.7	236.66	1683.91
	12/9/2014	17:22	12/9/2014 17:22		38	38	6	62	13.1		1484.7	169.84	1853.75
	12/10/2014	7:46	12/10/2014 7:46		38	37	7	44	15.5		12343.7	1412.12	3265.88
	12/10/2014	9:38	12/10/2014 9:38		38	37	8	66	17.3		1840.0	210.49	3476.37
	12/10/2014	11:07	12/10/2014 11:07		39	38	8	74	17.4		1544.6	176.70	3653.07
	12/10/2014	12:38	12/10/2014 12:38		38	37	8	76	17.2		1571.6	179.79	3832.86
	12/10/2014	13:40	12/10/2014 13:40		38	37	8	76	17.2		1064.6	121.79	3954.66
	12/10/2014	16:19	12/10/2014 16:19		38	37	8	71	17.3		2736.9	313.10	4267.75
	12/10/2014	16:47	12/10/2014 16:47		38	36	9	70	19.4		513.6	58.76	4326.51
	12/11/2014	7:45	12/11/2014 7:45		38	35	10	42	22.2		18697.8	2139.03	6465.54
	12/11/2014	8:00	12/11/2014 8:00		41	38	13	42	29.7		389.4	44.54	6510.09
	12/11/2014	10:03	12/11/2014 10:03		42	39	12	61	27.1		3495.5	399.89	6909.97
	12/11/2014	11:42	12/11/2014 11:42		42	39	12	69	26.9		2675.5	306.08	7216.05
	12/11/2014	14:04	12/11/2014 14:04		42	39	12	76	26.7		3809.2	435.77	7651.82
	12/11/2014	15:39	12/11/2014 15:39		42	39	12	76	26.7		2539.6	290.53	7942.35
	12/11/2014	16:58	12/11/2014 16:58		42	38	13	64	29.3		2213.5	253.23	8195.58
	12/12/2014	7:40	12/12/2014 7:40		41	37	14	38	32.1		27090.8	3099.19	11294.77
	12/12/2014	7:52	12/12/2014 7:52		42	38	15	40	34.7		400.7	45.84	11340.61
	12/12/2014	9:53	12/12/2014 9:53		42	39	15	66	33.7		4138.6	473.46	11814.07
	12/12/2014	10:58	12/12/2014 10:58		42	39	15	76	33.4		2182.8	249.71	12063.78
	12/12/2014	11:22	12/12/2014 11:22		42	39	15	79	33.3		800.8	91.61	12155.40
	12/12/2014	11:23	12/12/2014 11:23			29					33.3	3.81	12159.21
Total CO2 Mass (lbs):												12159.21	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	4/13/2015	8:32	4/13/2015 8:32		36	34.5	4.5	76	9.5		4.7	0.54	25072.57
	4/13/2015	9:31	4/13/2015 9:31		36	34.5	5.5	78	11.6		620.2	70.95	25143.52
	4/13/2015	11:18	4/13/2015 11:18		36	34.5	6	82	12.6		1289.8	147.55	25291.07
	4/13/2015	12:27	4/13/2015 12:27		36	34	6	90	12.5		863.0	98.73	25389.79
	4/13/2015	13:03	4/13/2015 13:03		36	34	6	91	12.4		448.3	51.29	25441.08
	4/13/2015	14:10	4/13/2015 14:10		36	33.5	6.5	94	13.4		867.5	99.24	25540.32
	4/13/2015	15:13	4/13/2015 15:13		36	33	7	92	14.5		880.6	100.74	25641.07
	4/13/2015	15:14	4/13/2015 15:14		38	35	8.5	92	18.0		16.2	1.86	25642.92
	4/13/2015	16:14	4/13/2015 16:14		38	35	8.5	89	18.0		1079.6	123.50	25766.43
	4/13/2015	17:11	4/13/2015 17:11		38	35	8.5	82	18.1		1030.5	117.89	25884.31
	4/14/2015	7:55	4/14/2015 7:55		38	34	14	74	30.1		21325.0	2439.57	28323.89
	4/14/2015	7:56	4/14/2015 7:56			21					30.1	3.44	28327.33
SW-121 Event 13	4/15/2015	7:52	4/15/2015 7:52		33	32	0	74	0.0				28327.33
	4/15/2015	8:12	4/15/2015 8:12		33	31.5	<2	74	0.0		0.0	0.00	28327.33
	4/15/2015	8:13	4/15/2015 8:13		36	35	4.5	74	9.5		4.7	0.54	28327.87
	4/15/2015	9:04	4/15/2015 9:04		36	34	6.5	80	13.6		589.5	67.43	28395.31
	4/15/2015	9:05	4/15/2015 9:05		37	36	7.5	80	15.9		14.8	1.69	28397.00
	4/15/2015	9:57	4/15/2015 9:57		36	35	8	86	16.7		846.5	96.84	28493.83
	4/15/2015	11:40	4/15/2015 11:40		36	35	8.5	95	17.6		1763.6	201.75	28695.59
	4/15/2015	12:28	4/15/2015 12:28		36	34	9	96	18.6		867.7	99.26	28794.85
	4/15/2015	13:52	4/15/2015 13:52		36	34	9	98	18.6		1559.7	178.43	28973.27
	4/15/2015	15:18	4/15/2015 15:18		36	34	9.5	92	19.7		1644.4	188.11	29161.39
	4/15/2015	17:15	4/15/2015 17:15		36	34	10	74	21.1		2385.5	272.90	29434.29
	4/16/2015	8:15	4/16/2015 8:15		36	32.5	14.5	69	30.7		23315.8	2667.33	32101.62
	4/16/2015	8:16	4/16/2015 8:16			22					30.7	3.52	32105.13
Total CO2 Mass (lbs):												32105.13	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/30/2015	8:53	1/30/2015 8:53		38	35.5	12	60	26.2		2306.20	263.83	19958.14
	1/30/2015	9:49	1/30/2015 9:49		36	35	14	65	29.8		1566.63	179.22	20137.36
	1/30/2015	10:43	1/30/2015 10:43		36	35	14	72	29.6		1602.81	183.36	20320.72
	1/30/2015	10:45	1/30/2015 10:45			20					59.16	6.77	20327.49
Total CO2 Mass (lbs):												20327.49	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/10/2015	8:52	3/10/2015 8:52		48	32	35	67	82.8		429.4	49.12	20849.24
	3/10/2015	9:07	3/10/2015 9:07		48	31	35.5	67	84.0		1251.0	143.11	20992.35
	3/10/2015	9:08	3/10/2015 9:08		47	30.5	35	67	82.1		83.1	9.50	21001.85
	3/10/2015	10:10	3/10/2015 10:10		46	28.5	35	77	80.6		5046.0	577.26	21579.11
	3/10/2015	11:32	3/10/2015 11:32		45	27.5	36	81	81.9		6665.6	762.55	22341.66
	3/10/2015	11:33	3/10/2015 11:33		42	26.5	35	81	77.6		79.8	9.12	22350.78
	3/10/2015	12:29	3/10/2015 12:29		42	26	35	86	77.2		4334.8	495.90	22846.68
	3/10/2015	12:30	3/10/2015 12:30			19					77.2	8.83	22855.52
Total CO2 Mass (lbs):												22855.52	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
											Total CO2 Mass (lbs):	0.00	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/10/2015	15:16	2/10/2015 15:16			25					33.7965623	3.866326809	5012.74
SW-125 Event 7	2/12/2015	7:49	2/12/2015 7:49		30.5	30	3	49	6.1				5012.74
	2/12/2015	8:29	2/12/2015 8:29		29	28.5	4	51	8.0		282.4080849	32.30748367	5045.05
	2/12/2015	8:30	2/12/2015 8:30		34	32	8.5	51	18.0		12.98520699	1.485507607	5046.53
	2/12/2015	10:07	2/12/2015 10:07		34	32	10	60	20.9		1887.403724	215.9189758	5262.45
	2/12/2015	11:53	2/12/2015 11:53		34	31	12	67	25.0		2433.245054	278.3632507	5540.81
	2/12/2015	13:18	2/12/2015 13:18		33	30	13.5	68	27.8		2240.778065	256.3450012	5797.16
	2/12/2015	13:19	2/12/2015 13:19			23					27.76139621	3.175903797	5800.33
SW-125 Event 8	2/17/2015	12:33	2/17/2015 12:33		31	30	<2	54	0.0				5800.33
	2/17/2015	12:37	2/17/2015 12:37		34	33	5	54	10.5		21.0744762	2.410920143	5802.75
	2/17/2015	14:26	2/17/2015 14:26		33	30.5	8.5	54	17.7		1540.30468	176.2108612	5978.96
	2/17/2015	14:27	2/17/2015 14:27		38	33.5	11	54	24.1		20.92893109	2.394269705	5981.35
	2/17/2015	17:09	2/17/2015 17:09		37.5	32	14	54	30.6		4430.543249	506.8541565	6488.20
	2/17/2015	17:10	2/17/2015 17:10			25					30.56543551	3.496685743	6491.70
SW-125 Event 9	2/19/2015	8:07	2/19/2015 8:07		30	30	0	36	0.0				6491.70
	2/19/2015	8:26	2/19/2015 8:26		28.5	28	4	40	8.0		76.43688683	8.744379997	6500.45
	2/19/2015	8:27	2/19/2015 8:27		35	32.5	10	40	21.6		14.82456197	1.695929885	6502.14
	2/19/2015	10:09	2/19/2015 10:09		35	32	10.5	48	22.5		2249.043989	257.2906189	6759.43
	2/19/2015	12:05	2/19/2015 12:05		34	30	12	55	25.3		2770.053242	316.8940735	7076.33
	2/19/2015	12:06	2/19/2015 12:06			24					25.26377305	2.890175581	7079.22
SW-125 Event 10	2/23/2015	7:59	2/23/2015 7:59		32	32	0	64	0.0				7079.22
	2/23/2015	8:16	2/23/2015 8:16		31	30	6	63	12.1		103.127585	11.79779625	7091.01
	2/23/2015	8:17	2/23/2015 8:17		36	34	10	63	21.3		16.72466314	1.913301468	7092.93
	2/23/2015	10:00	2/23/2015 10:00		36	32	11	66	23.4		2301.803584	263.3263245	7356.25
	2/23/2015	10:01	2/23/2015 10:01		38	33.5	12	66	26.0		24.69462784	2.825065374	7359.08
	2/23/2015	11:47	2/23/2015 11:47		38	33.5	14.5	69	31.3		3039.398891	347.7072449	7706.79
	2/23/2015	12:42	2/23/2015 12:42		38	33	15	68	32.4		1754.100452	200.6690979	7907.46
	2/23/2015	12:42	2/23/2015 12:42			24					0	0	7907.46
SW-125 Event 11	2/25/2015	12:10	2/25/2015 12:10		33	33	0	59	0.0				7907.46
	2/25/2015	12:40	2/25/2015 12:40		31	30	6	58	12.2		182.8986311	20.92360306	7928.38
	2/25/2015	12:42	2/25/2015 12:42		35	33	10	58	21.2		33.40092748	3.821066141	7932.20
	2/25/2015	13:06	2/25/2015 13:06		35	33	10	56	21.3		509.498268	58.28660202	7990.49
	2/25/2015	14:20	2/25/2015 14:20		35	32	12	52	25.6		1733.629831	198.3272552	8188.81
	2/25/2015	15:42	2/25/2015 15:42		34	30.5	13	50	27.5		2177.632645	249.12117	8437.93
	2/25/2015	15:44	2/25/2015 15:44		42	33.5	15	50	34.3		61.80840099	7.07088089	8445.01
	2/25/2015	17:09	2/25/2015 17:09		42	33	17	50	38.9		3109.845543	355.7663269	8800.77
	2/25/2015	17:10	2/25/2015 17:10			25					38.87306989	4.447079182	8805.22
											Total CO ₂ Mass (lbs):	8805.22	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-126 Event 1	1/20/2015	13:35	1/20/2015 13:35		22	23	0	72	0.0				0.00
	1/20/2015	14:01	1/20/2015 14:01		26	26.5	0	76	0.0		0.0	0.0	0.00
	1/20/2015	14:31	1/20/2015 14:31		31	32	8	72	16.0		240.5	27.5	27.52
	1/20/2015	15:00	1/20/2015 15:00		29	30	4	72	7.8		346.1	39.6	67.11
	1/20/2015	15:30	1/20/2015 15:30		31	32	10	64	20.2		420.6	48.1	115.23
	1/20/2015	16:40	1/20/2015 16:40			25					1414.1	161.8	277.00
SW-126 Event 2	1/26/2015	8:28	1/26/2015 8:28		28	27	0	54	0.0				277.00
	1/26/2015	9:26	1/26/2015 9:26		27	26	4	57	7.8		225.2	25.8	302.77
	1/26/2015	9:27	1/26/2015 9:27		35	32	14	57	29.7		18.7	2.1	304.91
	1/26/2015	10:54	1/26/2015 10:54		35	32	16	60	33.9		2765.9	316.4	621.34
	1/26/2015	10:55	1/26/2015 10:55		38	33.5	18	60	39.3		36.6	4.2	625.52
	1/26/2015	12:16	1/26/2015 12:16		38	32.5	20	61	43.6		3354.2	383.7	1009.23
	1/26/2015	13:56	1/26/2015 13:56		38	32	22	61	47.9		4574.6	523.3	1532.57
	1/26/2015	14:53	1/26/2015 14:53		38	31	22	61	47.9		2731.7	312.5	1845.08
	1/26/2015	15:50	1/26/2015 15:50		36	31	23	60	49.2		2767.4	316.6	2161.67
	1/26/2015	15:51	1/26/2015 15:51		39	31.5	25	60	55.0		52.1	6.0	2167.63
	1/26/2015	16:59	1/26/2015 16:59		39	31.5	26	58	57.4		3821.4	437.2	2604.80
	1/26/2015	17:00	1/26/2015 17:00			25					57.4	6.6	2611.36
SW-126 Event 3	1/28/2015	7:46	1/28/2015 7:46		26	26.5	0	40	0.0				2611.36
	1/28/2015	8:16	1/28/2015 8:16		25	26	4	44	7.7		115.1	13.2	2624.54
	1/28/2015	8:17	1/28/2015 8:17		30	30	10	44	20.4		14.0	1.6	2626.14
	1/28/2015	9:50	1/28/2015 9:50		30	29.5	10	53	20.2		1886.9	215.9	2842.00
	1/28/2015	9:52	1/28/2015 9:52		32	30.5	12	53	24.8		45.0	5.1	2847.15
	1/28/2015	10:44	1/28/2015 10:44		32	30.5	12	55	24.7		1287.3	147.3	2994.42
	1/28/2015	10:50	1/28/2015 10:50								148.4	17.0	3011.39
SW-126 Event 4	2/3/2015	8:08	2/3/2015 8:08		29	28	0	40	0.0				3011.39
	2/3/2015	8:32	2/3/2015 8:32		29	26.5	3	44	6.0		72.5	8.3	3019.69
	2/3/2015	8:33	2/3/2015 8:33		34	32	10	44	21.3		13.7	1.6	3021.25
	2/3/2015	9:47	2/3/2015 9:47		34	33	9	52	19.0		1491.0	170.6	3191.82
	2/3/2015	10:57	2/3/2015 10:57		33	31.5	12	56	25.0		1539.3	176.1	3367.92
	2/3/2015	10:59	2/3/2015 10:59			24					49.9	5.7	3373.63
SW-126 Event 5	2/5/2015	8:20	2/5/2015 8:20		27	27	0	52	0.0				3373.63
	2/5/2015	8:55	2/5/2015 8:55		24	27	<2	54	0.0		0.0	0.0	3373.63
	2/5/2015	8:56	2/5/2015 8:56		36	33	10	54	21.5		10.8	1.2	3374.86
	2/5/2015	10:12	2/5/2015 10:12		36	33	10	56	21.5		1633.2	186.8	3561.69
SW-126 Event 6	2/10/2015	8:04	2/10/2015 8:04		28.5	27	0	56	0.0				3561.69
	2/10/2015	8:53	2/10/2015 8:53		28	28	4	56	7.9		192.8	22.1	3583.75
	2/10/2015	8:54	2/10/2015 8:54		33	31	8	56	16.6		12.3	1.4	3585.15
	2/10/2015	10:14	2/10/2015 10:14		33	32	8	60	16.6		1329.2	152.1	3737.22
	2/10/2015	10:19	2/10/2015 10:19								82.9	9.5	3746.70
SW-126 Event 7	2/12/2015	7:51	2/12/2015 7:51		29	28.5	4	49	8.0				3746.70
	2/12/2015	8:24	2/12/2015 8:24		29	27.5	4.5	51	9.0		280.9	32.1	3778.83
	2/12/2015	8:25	2/12/2015 8:25		30	30	8	51	16.2		12.6	1.4	3780.27
	2/12/2015	9:45	2/12/2015 9:45								1295.2	148.2	3928.44
SW-126 Event 8	2/19/2015	8:06	2/19/2015 8:06		30	30	0	36	0.0				3928.44
	2/19/2015	8:27	2/19/2015 8:27		29	28	4	40	8.1		85.0	9.7	3938.16
	2/19/2015	8:28	2/19/2015 8:28		35	33	11	40	23.8		15.9	1.8	3939.98
	2/19/2015	10:07	2/19/2015 10:07		35	32	14	48	30.0		2661.0	304.4	4244.40
	2/19/2015	12:07	2/19/2015 12:07		35	32	17	55	36.2		3969.4	454.1	4698.50
	2/19/2015	12:08	2/19/2015 12:08			25					36.2	4.1	4702.64
SW-126 Event 9	2/23/2015	12:37	2/23/2015 12:37		30	30	10	68	19.9				4702.64

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/23/2015	12:47	2/23/2015 12:47		29	30	10	68	19.7		197.8	22.6	4725.27
	2/23/2015	12:48	2/23/2015 12:48		34	32	15	68	31.2		25.4	2.9	4728.18
	2/23/2015	13:19	2/23/2015 13:19		34	31	16	66	33.3		999.6	114.4	4842.53
	2/23/2015	15:02	2/23/2015 15:02		33	30	16.5	67	34.0		3465.0	396.4	5238.92
	2/23/2015	15:05	2/23/2015 15:05			24					101.9	11.7	5250.58
SW-126 Event 10	2/25/2015	8:01	2/25/2015 8:01		31	31	0	50	0.0				5250.58
	2/25/2015	8:35	2/25/2015 8:35		29	25	22	54	43.9		746.0	85.3	5335.92
	2/25/2015	8:36	2/25/2015 8:36		36	27	27	54	58.1		51.0	5.8	5341.75
	2/25/2015	9:18	2/25/2015 9:18		36	27	28	56	60.1		2481.9	283.9	5625.68
	2/25/2015	10:28	2/25/2015 10:28		35	26.5	28	56	59.5		4186.3	478.9	6104.60
	2/25/2015	10:30	2/25/2015 10:30			18					119.0	13.6	6118.21
SW-126 Event 11	2/27/2015	8:21	2/27/2015 8:21		29.5	30.5	12	48	24.2				6118.21
	2/27/2015	8:23	2/27/2015 8:23		29.5	26	14	48	28.3		52.5	6.0	6124.21
	2/27/2015	8:25	2/27/2015 8:25		29.5	25.5	16	48	32.3		60.6	6.9	6131.14
	2/27/2015	8:30	2/27/2015 8:30		29.5	25.5	17	50	34.2		166.3	19.0	6150.17
	2/27/2015	8:33	2/27/2015 8:33		29.5	25.5	17.5	50	35.2		104.2	11.9	6162.09
	2/27/2015	8:38	2/27/2015 8:38		29	25	18	51	36.0		178.1	20.4	6182.48
	2/27/2015	8:43	2/27/2015 8:43		29	25	18	52	36.0		180.0	20.6	6203.06
	2/27/2015	8:44	2/27/2015 8:44		31	27	20	52	40.9		38.4	4.4	6207.46
	2/27/2015	8:49	2/27/2015 8:49		31	27	20.5	52	41.9		207.0	23.7	6231.14
	2/27/2015	8:50	2/27/2015 8:50		33	28	22	52	46.0		43.9	5.0	6236.17
	2/27/2015	8:52	2/27/2015 8:52		33	28	22	53	45.9		91.9	10.5	6246.68
	2/27/2015	9:34	2/27/2015 9:34		33	27	22.5	55	46.9		1948.7	222.9	6469.61
	2/27/2015	10:40	2/27/2015 10:40		32	27	23	56	47.4		3109.4	355.7	6825.33
	2/27/2015	10:41	2/27/2015 10:41			20.5					47.4	5.4	6830.75
SW-126 Event 12	3/2/2015	13:20	3/2/2015 13:20		30	29	5	68	9.9				6830.75
	3/2/2015	13:23	3/2/2015 13:23		29	28	9.5	68	18.7		43.0	4.9	6835.66
	3/2/2015	13:24	3/2/2015 13:24		35	32.5	16	68	33.6		26.1	3.0	6838.65
	3/2/2015	14:33	3/2/2015 14:33		35	31.5	20	70	41.9		2605.1	298.0	7136.67
	3/2/2015	14:38	3/2/2015 14:38		35	31	20	70	41.9		209.6	24.0	7160.65
	3/2/2015	14:42	3/2/2015 14:42			21					167.7	19.2	7179.82
SW-126 Event 13	3/4/2015	7:47	3/4/2015 7:47		30	30	0	65	0.0				7179.82
	3/4/2015	7:52	3/4/2015 7:52		28	28	7	65	13.6		34.1	3.9	7183.73
	3/4/2015	7:53	3/4/2015 7:53		34	31.5	10	65	20.8		17.2	2.0	7185.70
	3/4/2015	8:53	3/4/2015 8:53		33	30	12	69	24.7		1364.9	156.1	7341.84
	3/4/2015	9:36	3/4/2015 9:36		33	29	14	70	28.7		1147.8	131.3	7473.15
	3/4/2015	9:37	3/4/2015 9:37			22.5					28.7	3.3	7476.44
SW-126 Event 14	3/6/2015	7:48	3/6/2015 7:48		32	32	3	50	6.2				7476.44
	3/6/2015	8:01	3/6/2015 8:01		31	30	5.5	52	11.2		113.5	13.0	7489.42
	3/6/2015	8:02	3/6/2015 8:02		35	33	10	52	21.3		16.3	1.9	7491.28
	3/6/2015	9:03	3/6/2015 9:03		35	32	10	56	21.3		1298.9	148.6	7639.88
	3/6/2015	10:04	3/6/2015 10:04		34.5	30.5	12	57	25.3		1421.1	162.6	7802.46
	3/6/2015	10:05	3/6/2015 10:05			25					25.3	2.9	7805.36
SW-126 Event 15	3/9/2015	7:52	3/9/2015 7:52		31	31	2	50	4.1				7805.36
	3/9/2015	8:34	3/9/2015 8:34		30	29	5.5	56	11.1		318.6	36.4	7841.81
	3/9/2015	8:36	3/9/2015 8:36		35	33	8	56	17.0		28.1	3.2	7845.02
	3/9/2015	9:42	3/9/2015 9:42		35	32	11	63	23.2		1327.0	151.8	7996.83
	3/9/2015	10:25	3/9/2015 10:25		35	31	12	66	25.2		1041.9	119.2	8116.02
	3/9/2015	10:27	3/9/2015 10:27			26					50.5	5.8	8121.79
SW-126 Event 16	3/9/2015	14:00	3/9/2015 14:00		32	27	16	90	31.9				8121.79
	3/9/2015	14:01	3/9/2015 14:01		35	29	16	90	32.9		32.4	3.7	8125.50

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/9/2015	14:24	3/9/2015 14:24		35	30.5	16	86	33.0		757.9	86.7	8212.21
	3/9/2015	14:25	3/9/2015 14:25		37	31	16	86	33.7		33.4	3.8	8216.02
	3/9/2015	15:33	3/9/2015 15:33		37	30.5	17	74	36.2		2376.2	271.8	8487.86
	3/9/2015	15:37	3/9/2015 15:37			24					144.8	16.6	8504.43
SW-126 Event 17	3/10/2015	7:57	3/10/2015 7:57		32	31.5	4	56	8.2				8504.43
	3/10/2015	8:45	3/10/2015 8:45		30	29	7	62	14.0		533.9	61.1	8565.51
	3/10/2015	8:47	3/10/2015 8:47		35	32	11	62	23.2		37.2	4.3	8569.77
	3/10/2015	9:33	3/10/2015 9:33		35	32	12	67	25.2		1114.5	127.5	8697.27
	3/10/2015	10:19	3/10/2015 10:19		35	31	13	70	27.2		1206.7	138.0	8835.32
	3/10/2015	10:33	3/10/2015 10:33		35	31	13	70	27.2		381.4	43.6	8878.95
	3/10/2015	10:34	3/10/2015 10:34			24.5					27.2	3.1	8882.07
SW-126 Event 18	3/10/2015	14:27	3/10/2015 14:27		32.5	28	16	86	32.2				8882.07
	3/10/2015	14:29	3/10/2015 14:29		37	31	16	86	33.7		65.8	7.5	8889.60
	3/10/2015	15:51	3/10/2015 15:51		37	31	16	83	33.8		2766.0	316.4	9206.04
	3/10/2015	15:52	3/10/2015 15:52			26					33.8	3.9	9209.90
SW-126 Event 19	3/11/2015	8:07	3/11/2015 8:07		31	31	4	65	8.1				9209.90
	3/11/2015	8:37	3/11/2015 8:37		30	28.5	6.5	66	13.0		315.5	36.1	9245.99
	3/11/2015	8:38	3/11/2015 8:38		35	32.5	12	66	25.2		19.1	2.2	9248.17
	3/11/2015	9:42	3/11/2015 9:42		35	31.5	12.5	70	26.2		1646.2	188.3	9436.49
	3/11/2015	10:53	3/11/2015 10:53		35	30.5	13.5	74	28.2		1930.4	220.8	9657.33
	3/11/2015	10:54	3/11/2015 10:54			25					28.2	3.2	9660.55
SW-126 Event 20	3/11/2015	14:47	3/11/2015 14:47		34	28	18	104	36.2				9660.55
	3/11/2015	15:12	3/11/2015 15:12		34.5	30	16	90	32.7		860.9	98.5	9759.04
	3/11/2015	16:18	3/11/2015 16:18		34.5	30	16	80	33.0		2170.1	248.3	10007.30
	3/11/2015	16:20	3/11/2015 16:20			24					66.1	7.6	10014.86
SW-126 Event 21	3/12/2015	7:45	3/12/2015 7:45		31	31	3	70	6.0				10014.86
	3/12/2015	7:59	3/12/2015 7:59		30	29	6.5	70	12.9		132.5	15.2	10030.02
	3/12/2015	8:00	3/12/2015 8:00		35	32.5	10	70	21.0		16.9	1.9	10031.95
	3/12/2015	9:16	3/12/2015 9:16		34.5	31	12	70	25.0		1747.1	199.9	10231.82
	3/12/2015	10:25	3/12/2015 10:25		34	30.5	14	70	29.0		1864.9	213.3	10445.17
	3/12/2015	10:26	3/12/2015 10:26			22					29.0	3.3	10448.49
SW-126 Event 22	3/12/2015	14:55	3/12/2015 14:55		34	28	18	71	37.3				10448.49
	3/12/2015	15:52	3/12/2015 15:52		34	29.5	15.5	68	32.2		1981.0	226.6	10675.12
	3/12/2015	16:33	3/12/2015 16:33		34	29.5	15.5	67	32.2		1321.3	151.2	10826.28
	3/12/2015	16:34	3/12/2015 16:34			24					32.2	3.7	10829.97
SW-126 Event 23	3/13/2015	7:59	3/13/2015 7:59		32	30	4	64	8.2				10829.97
	3/13/2015	8:19	3/13/2015 8:19		30	28	7	64	14.0		221.5	25.3	10855.31
	3/13/2015	8:20	3/13/2015 8:20		36	33	11	64	23.4		18.7	2.1	10857.45
	3/13/2015	9:35	3/13/2015 9:35		36	31.5	14	64	29.8		1996.4	228.4	11085.84
	3/13/2015	9:37	3/13/2015 9:37			25					59.6	6.8	11092.66
SW-126 Event 24	3/16/2015	8:18	3/16/2015 8:18		34	32	4	57	8.4				11092.66
	3/16/2015	8:59	3/16/2015 8:59		32.5	31	7.5	66	15.4		487.4	55.8	11148.42
	3/16/2015	9:00	3/16/2015 9:00		35	32	9	66	18.9		17.2	2.0	11150.38
	3/16/2015	10:10	3/16/2015 10:10		34	31	11	74	22.7		1458.2	166.8	11317.20
	3/16/2015	10:11	3/16/2015 10:11			25					22.7	2.6	11319.80
SW-126 Event 25	3/16/2015	14:07	3/16/2015 14:07		34	31	14	104	28.1				11319.80
	3/16/2015	14:41	3/16/2015 14:41		34	30	14	90	28.5		962.2	110.1	11429.88
	3/16/2015	14:42	3/16/2015 14:42		36	32	14.5	90	30.1		29.3	3.4	11433.23
	3/16/2015	15:31	3/16/2015 15:31		37	31	15	90	31.5		1508.5	172.6	11605.80
	3/16/2015	15:33	3/16/2015 15:33			26					62.9	7.2	11613.00
SW-126 Event 26	3/17/2015	8:12	3/17/2015 8:12		31	29.5	4	58	8.1				11613.00

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/17/2015	9:16	3/17/2015 9:16		29	27	7	70	13.7		699.9	80.1	11693.06
	3/17/2015	10:37	3/17/2015 10:37		29	27	8	80	15.6		1186.5	135.7	11828.80
	3/17/2015	10:42	3/17/2015 10:42			23					77.8	8.9	11837.69
SW-126 Event 26	4/9/2015	9:52	4/9/2015 9:52		30	29	3	82	5.9				11837.69
	4/9/2015	10:05	4/9/2015 10:05		28.5	27	5	84	9.6		100.9	11.5	11849.23
	4/9/2015	10:06	4/9/2015 10:06		35	31.5	10	84	20.7		15.2	1.7	11850.97
	4/9/2015	10:46	4/9/2015 10:46		34	30.5	10.5	85	21.5		842.8	96.4	11947.38
	4/9/2015	10:47	4/9/2015 10:47		36	31	12	85	25.0		23.3	2.7	11950.04
	4/9/2015	11:09	4/9/2015 11:09		36	30.5	12.5	86	26.1		562.0	64.3	12014.34
	4/9/2015	11:10	4/9/2015 11:10		38	32	14	86	29.8		27.9	3.2	12017.53
	4/9/2015	11:52	4/9/2015 11:52		38	31	15	87	31.9		1294.0	148.0	12165.56
	4/9/2015	11:55	4/9/2015 11:55			25					95.6	10.9	12176.50
Total CO2 Mass (lbs):												12176.50	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-127 Event 1	1/13/15	8:37	1/13/2015 8:37		18	20	0	63	0.0				0.00
	1/13/15	9:16	1/13/2015 9:16		18	20	0	63	0.0		0.0	0.00	0.00
	1/13/15	9:20	1/13/2015 9:20		20	22	0	63	0.0		0.0	0.00	0.00
	1/13/15	10:18	1/13/2015 10:18		20	22	0	63	0.0		0.0	0.00	0.00
	1/13/15	10:29	1/13/2015 10:29		24	25.5	0	63	0.0		0.0	0.00	0.00
	1/13/15	11:18	1/13/2015 11:18		24	25.5	0	64	0.0		0.0	0.00	0.00
	1/13/15	11:22	1/13/2015 11:22		28	29	4	64	7.8		15.6	1.79	1.79
	1/13/15	12:24	1/13/2015 12:24		28	29	4	64	7.8		484.0	55.37	57.16
	1/13/15	12:27	1/13/2015 12:27		32	31	7	64	14.3		33.2	3.79	60.95
	1/13/15	13:33	1/13/2015 13:33		32	31	6	64	12.3		876.2	100.24	161.19
	1/13/15	13:37	1/13/2015 13:37		34	33	8.5	64	17.7		60.0	6.86	168.05
	1/13/15	16:00	1/13/2015 16:00		34	33	9	64	18.8		2610.6	298.66	466.71
	1/13/15	17:14	1/13/2015 17:14		34	32	8	62	16.7		1313.6	150.27	616.98
	1/13/15	17:15	1/13/2015 17:15			26					16.7	1.91	618.89
SW-127 Event 2	1/21/15	8:05	1/21/2015 8:05		28	28	0	50	0.0				618.89
	1/21/15	8:27	1/21/2015 8:27		35	33.5	5	50	10.7		117.6	13.45	632.35
	1/21/15	10:10	1/21/2015 10:10		32	33	5	60	10.3		1078.6	123.39	755.74
	1/21/15	10:11	1/21/2015 10:11		36	35	8	60	17.1		13.7	1.56	757.30
	1/21/15	11:58	1/21/2015 11:58		36	33.5	9	68	19.1		1936.4	221.53	978.83
	1/21/15	13:18	1/21/2015 13:18		35	33	10	80	20.8		1593.8	182.33	1161.15
	1/21/15	14:55	1/21/2015 14:55		35	33	10	80	20.8		2013.1	230.30	1391.45
	1/21/15	16:45	1/21/2015 16:45		35	32	12	72	25.1		2521.9	288.50	1679.96
	1/21/15	17:03	1/21/2015 17:03		35	32	12	70	25.1		452.2	51.73	1731.69
	1/21/15	17:04	1/21/2015 17:04			27					25.1	2.88	1734.57
	SW-127 Event 3	1/28/15	7:50	1/28/2015 7:50		27	27	0	39	0.0			
1/28/15		8:23	1/28/2015 8:23		26	27	0	40	0.0		0.0	0.00	1734.57
1/28/15		8:24	1/28/2015 8:24		34	34	8	40	17.1		8.6	0.98	1735.54
1/28/15		9:57	1/28/2015 9:57		34	34	8	50	16.9		1582.5	181.04	1916.58
1/28/15		9:59	1/28/2015 9:59		36	36	10	50	21.6		38.5	4.41	1920.99
1/28/15		11:16	1/28/2015 11:16		38	37.5	8	55	17.5		1506.6	172.35	2093.34
1/28/15		13:19	1/28/2015 13:19		37	35.5	10	66	21.5		2398.4	274.38	2367.72
1/28/15		15:30	1/28/2015 15:30		36	34	12	67	25.5		3074.8	351.76	2719.48
1/28/15		16:42	1/28/2015 16:42		36	34	13.5	60	28.9		1956.3	223.80	2943.29
1/28/15		16:42	1/28/2015 16:42			29.5					0.0	0.00	2943.29
SW-127 Event 4		2/3/15	8:12	2/3/2015 8:12		28	29	0	40	0.0			
	2/3/15	8:35	2/3/2015 8:35		28	29	3	42	6.0		68.8	7.88	2951.16
	2/3/15	8:36	2/3/2015 8:36		37	36	11	42	24.2		15.1	1.73	2952.89
	2/3/15	9:50	2/3/2015 9:50		38	37	10	54	21.9		1707.0	195.28	3148.17
	2/3/15	11:27	2/3/2015 11:27		38	37	10	56	21.9		2125.9	243.20	3391.37
	2/3/15	14:20	2/3/2015 14:20		38	36	12	66	26.0		4143.8	474.05	3865.42
	2/3/15	15:47	2/3/2015 15:47		38	35	14	64	30.4		2454.1	280.75	4146.17
	2/3/15	16:55	2/3/2015 16:55		38	34	14	60	30.5		2071.8	237.01	4383.18
	2/3/15	16:57	2/3/2015 16:57			29					61.1	6.98	4390.17
SW-127 Event 5	2/5/15	8:26	2/5/2015 8:26		27	29	0	52	0.0				4390.17
	2/5/15	9:02	2/5/2015 9:02		28	29	4	54	7.9		141.9	16.24	4406.40
	2/5/15	9:04	2/5/2015 9:04		37	35.5	16	54	34.8		42.6	4.88	4411.28
	2/5/15	11:58	2/5/2015 11:58		39	36.6	13	60	28.6		5514.2	630.82	5042.11
	2/5/15	13:58	2/5/2015 13:58		39	36	13	71	28.3		3415.8	390.76	5432.87
	2/5/15	15:18	2/5/2015 15:18		39	36	14	71	30.5		2351.8	269.05	5701.92
	2/5/15	16:07	2/5/2015 16:07		39	36	14	71	30.5		1493.8	170.89	5872.81
	2/5/15	16:52	2/5/2015 16:52		39	35	16	67	35.0		1473.0	168.51	6041.32

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/5/15	16:53	2/5/2015 16:53			30.5					35.0	4.00	6045.32
SW-127 Event 6	2/11/15	8:00	2/11/2015 8:00		27	29	0	52	0.0				6045.32
	2/11/15	8:26	2/11/2015 8:26		27	28.5	0	52	0.0		0.0	0.00	6045.32
	2/11/15	8:27	2/11/2015 8:27		37	34.5	12	52	26.1		13.1	1.49	6046.82
	2/11/15	9:51	2/11/2015 9:51		38	36.5	10	59	21.8		2014.0	230.40	6277.21
	2/11/15	11:18	2/11/2015 11:18		38	36.5	10	60	21.8		1898.1	217.14	6494.35
	2/11/15	12:42	2/11/2015 12:42		38	36	10	67	21.7		1825.3	208.82	6703.17
	2/11/15	14:07	2/11/2015 14:07		37	35	11.5	70	24.6		1965.3	224.83	6928.00
	2/11/15	15:12	2/11/2015 15:12		36	34	12.5	70	26.5		1659.1	189.80	7117.80
	2/11/15	16:04	2/11/2015 16:04		36	33.5	13	69	27.5		1404.2	160.65	7278.45
	2/11/15	16:53	2/11/2015 16:53		36	33	14	67	29.7		1403.2	160.52	7438.97
	2/11/15	16:55	2/11/2015 16:55			29.5					59.5	6.80	7445.77
SW-127 Event 7	2/13/15	7:55	2/13/2015 7:55		30	30	3	38	6.2				7445.77
	2/13/15	8:22	2/13/2015 8:22		30	29	6	46	12.2		247.8	28.35	7474.12
	2/13/15	8:23	2/13/2015 8:23		39	34.5	15	46	33.5		22.9	2.61	7476.74
	2/13/15	8:34	2/13/2015 8:34		38	34	15	51	33.0		365.8	41.85	7518.59
	2/13/15	10:45	2/13/2015 10:45		38	34	15	57	32.8		4311.0	493.18	8011.77
	2/13/15	11:04	2/13/2015 11:04		38	34	15.5	56	33.9		634.1	72.54	8084.30
	2/13/15	11:06	2/13/2015 11:06			27					67.9	7.76	8092.07
SW-127 Event 8	2/16/15	12:50	2/16/2015 12:50		34	34	0	74	0.0				8092.07
	2/16/15	13:01	2/16/2015 13:01		37	33	12	70	25.7		141.1	16.14	8108.21
	2/16/15	14:00	2/16/2015 14:00		37	32	12	65	25.8		1517.5	173.60	8281.82
	2/16/15	14:01	2/16/2015 14:01		42	35	16	65	36.0		30.9	3.54	8285.35
	2/16/15	16:52	2/16/2015 16:52		43	35	16	66	36.3		6186.1	707.69	8993.04
	2/16/15	16:53	2/16/2015 16:53			32					36.3	4.15	8997.20
SW-127 Event 9	2/18/15	8:22	2/18/2015 8:22		33	34	0	42	0.0				8997.20
	2/18/15	8:51	2/18/2015 8:51		33	31	10	47	21.0		304.5	34.84	9032.04
	2/18/15	8:53	2/18/2015 8:53		38	35	16	47	35.4		56.4	6.45	9038.48
	2/18/15	10:34	2/18/2015 10:34		38	34.5	16	57	35.0		3552.7	406.43	9444.91
	2/18/15	12:24	2/18/2015 12:24		38	34	16	61	34.9		3841.7	439.49	9884.41
	2/18/15	13:46	2/18/2015 13:46		38	34	16	64	34.8		2853.8	326.47	10210.88
	2/18/15	15:32	2/18/2015 15:32		38	34	16	63	34.8		3685.3	421.60	10632.48
	2/18/15	16:57	2/18/2015 16:57		38	34	18	62	39.2		3143.2	359.58	10992.06
	2/18/15	16:58	2/18/2015 16:58			28					39.2	4.48	10996.54
SW-127 Event 10	2/20/15	8:17	2/20/2015 8:17		30	30	2	32	4.1				10996.54
	2/20/15	8:40	2/20/2015 8:40		29	28.5	7	38	14.2		210.7	24.10	10996.54
	2/20/15	8:41	2/20/2015 8:41		37	34	16	38	35.3		24.8	2.83	10999.38
	2/20/15	9:55	2/20/2015 9:55		37	33	16	49	34.9		2600.4	297.49	11296.86
	2/20/15	11:38	2/20/2015 11:38		37	33	16	54	34.8		3589.6	410.65	11707.51
	2/20/15	13:15	2/20/2015 13:15		37	32	17	57	36.8		3471.8	397.17	12104.68
	2/20/15	13:18	2/20/2015 13:18		42	35	21	57	47.7		126.7	14.50	12119.18
	2/20/15	15:27	2/20/2015 15:27		42	34	22	58	49.9		6293.4	719.97	12839.14
	2/20/15	16:50	2/20/2015 16:50		44	34	23	55	53.3		4280.9	489.73	13328.88
	2/20/15	16:51	2/20/2015 16:51			30					53.3	6.09	13334.97
SW-127 Event 11	2/23/15	8:02	2/23/2015 8:02		32	33	0	63	0.0				13334.97
	2/23/15	8:18	2/23/2015 8:18		31	30	8	63	16.2		129.4	14.81	13349.77
	2/23/15	8:19	2/23/2015 8:19		42	36	18	63	40.6		28.4	3.25	13353.02
	2/23/15	10:03	2/23/2015 10:03		40	35	18	66	39.8		4179.8	478.17	13831.19
	2/23/15	11:49	2/23/2015 11:49		41	35	18.5	68	41.2		4289.1	490.68	14321.87
	2/23/15	13:18	2/23/2015 13:18		41	35	19	66	42.4		3716.9	425.21	14747.08
	2/23/15	15:07	2/23/2015 15:07		42	35	20.5	66	46.1		4822.3	551.67	15298.75

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/23/15	17:16	2/23/2015 17:16		42	34	22	66	49.5		6167.3	705.54	16004.29
	2/23/15	17:17	2/23/2015 17:17			28					49.5	5.66	16009.95
Total CO2 Mass (lbs):												16009.95	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	3/12/2015	10:49	3/12/2015 10:49		35	33	10.5	70	22.0		17.5	2.00	11940.21
	3/12/2015	11:57	3/12/2015 11:57		35	32	12	69	25.2		1604.0	183.50	12123.71
	3/12/2015	13:07	3/12/2015 13:07		34.5	30	14	69	29.2		1903.6	217.78	12341.48
	3/12/2015	13:08	3/12/2015 13:08			25					29.2	3.34	12344.82
Total CO2 Mass (lbs):												12344.82	

Sparge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)	Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)	
SW-129 Event 1	1/21/2015	8:22	1/21/2015 8:22	21	20	0	52	0.0			0.00	
	1/21/2015	8:44	1/21/2015 8:44	26	26	0	52	0.0	0.0	0.00	0.00	
	1/21/2015	9:43	1/21/2015 9:43	31	30	12	60	24.3	718.0	82.14	82.14	
	1/21/2015	11:48	1/21/2015 11:48	32	30	12	66	24.5	3049.9	348.91	431.05	
	1/21/2015	13:07	1/21/2015 13:07	32	30	12	70	24.4	1928.6	220.63	651.68	
	1/21/2015	14:53	1/21/2015 14:53	32	30	13	70	26.4	2690.3	307.77	959.45	
	1/21/2015	16:42	1/21/2015 16:42	32	29	13	65	26.5	2884.2	329.95	1289.40	
	1/21/2015	16:57	1/21/2015 16:57	32	29	14	64	28.6	413.4	47.29	1336.69	
	1/21/2015	17:00	1/21/2015 17:00		25				85.8	9.81	1346.51	
SW-129 Event 2	1/27/2015	7:58	1/27/2015 7:58	26	25.5	0	44	0.0			1346.51	
	1/27/2015	8:34	1/27/2015 8:34	25	25	0	46	0.0	0.0	0.0	1346.51	
	1/27/2015	8:35	1/27/2015 8:35	35	34	10	46	21.5	10.7	1.2	1347.73	
	1/27/2015	9:37	1/27/2015 9:37	35	34	8	54	17.0	1193.6	136.5	1484.28	
	1/27/2015	10:52	1/27/2015 10:52	35	33.5	10	58	21.2	1434.1	164.1	1648.34	
	1/27/2015	11:46	1/27/2015 11:46	35	33	12	60	25.4	1258.4	144.0	1792.30	
	1/27/2015	13:30	1/27/2015 13:30	35	32	13	60	27.5	2751.5	314.8	2107.07	
	1/27/2015	13:31	1/27/2015 13:31	39	34.5	18	60	39.6	33.6	3.8	2110.91	
	1/27/2015	14:59	1/27/2015 14:59	39	34.5	19	60	41.8	3584.2	410.0	2520.94	
	1/27/2015	15:59	1/27/2015 15:59	39	34	19	60	41.8	2509.8	287.1	2808.05	
	1/27/2015	16:41	1/27/2015 16:41	39	34	20	60	44.0	1803.1	206.3	3014.33	
	1/27/2015	16:42	1/27/2015 16:42		28				44.0	5.0	3019.36	
	SW-129 Event 3	1/29/2015	8:03	1/29/2015 8:03	29	28	0	40	0.0			3019.36
		1/29/2015	8:40	1/29/2015 8:40	28	27	0	48	0.0	0.0	0.0	3019.36
1/29/2015		8:41	1/29/2015 8:41	37	33	14	48	30.6	15.3	1.8	3021.12	
1/29/2015		9:48	1/29/2015 9:48	39	35	11	55	24.3	1840.6	210.6	3231.68	
1/29/2015		10:47	1/29/2015 10:47	39	35	11	57	24.3	1434.6	164.1	3395.80	
1/29/2015		11:47	1/29/2015 11:47	37	34.5	12	60	25.9	1506.1	172.3	3568.10	
1/29/2015		13:07	1/29/2015 13:07	37	34.5	12	60	25.9	2073.1	237.2	3805.26	
1/29/2015		13:08	1/29/2015 13:08		28				25.9	3.0	3808.22	
SW-129 Event 4		2/4/2015	8:04	2/4/2015 8:04	28	26.5	0	52	0.0			3808.22
	2/4/2015	8:30	2/4/2015 8:30	26	26.5	3	52	5.8	75.2	8.6	3816.82	
	2/4/2015	8:31	2/4/2015 8:31	36	33	15	52	32.3	19.1	2.2	3819.00	
	2/4/2015	9:55	2/4/2015 9:55	37	34.5	12	56	26.0	2450.7	280.4	4099.36	
	2/4/2015	11:30	2/4/2015 11:30	36	34	12.5	58	26.8	2507.9	286.9	4386.26	
	2/4/2015	11:31	2/4/2015 11:31		28				26.8	3.1	4389.33	
SW-129 Event 5	2/6/2015	8:02	2/6/2015 8:02	28	29	0	41	0.0			4389.33	
	2/6/2015	8:18	2/6/2015 8:18	26	27	3	47	5.8	46.5	5.3	4394.65	
	2/6/2015	8:19	2/6/2015 8:19	31	30	9	47	18.5	12.2	1.4	4396.04	
	2/6/2015	8:55	2/6/2015 8:55	32	30	8	51	16.6	630.9	72.2	4468.21	
	2/6/2015	9:47	2/6/2015 9:47	31	30	8	52	16.4	855.7	97.9	4566.10	
	2/6/2015	9:48	2/6/2015 9:48		27				16.4	1.9	4567.97	
SW-129 Event 6	2/11/2015	7:47	2/11/2015 7:47	30	28	0	44	0.0	0.0	0.0	4567.97	
	2/11/2015	8:21	2/11/2015 8:21	29	28	4	49	8.0	136.3	15.6	4583.56	
	2/11/2015	8:22	2/11/2015 8:22	33	31	10	49	21.0	14.5	1.7	4585.22	
	2/11/2015	9:44	2/11/2015 9:44	33	31.5	9	56	18.7	1627.3	186.2	4771.38	
	2/11/2015	9:45	2/11/2015 9:45	35	33	11	56	23.4	21.1	2.4	4773.79	
	2/11/2015	11:10	2/11/2015 11:10	35	33	11	60	23.3	1982.9	226.8	5000.64	
	2/11/2015	11:11	2/11/2015 11:11		27				23.3	2.7	5003.30	
SW-129 Event 7	2/13/2015	7:51	2/13/2015 7:51	30	30	0	37	0.0	0.0	0.0	5003.30	
	2/13/2015	8:18	2/13/2015 8:18	30	28	6	42	12.3	165.4	18.9	5022.23	
	2/13/2015	8:19	2/13/2015 8:19	36	32	14	42	30.5	21.4	2.4	5024.67	

Sparge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)	Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/13/2015	9:34	2/13/2015 9:34	36	33.5	12	50	25.9	2115.3	242.0	5266.66
	2/13/2015	10:34	2/13/2015 10:34	36	33.5	12	56	25.8	1550.4	177.4	5444.02
	2/13/2015	10:35	2/13/2015 10:35		28				25.8	2.9	5446.97
SW-129 Event 8	2/18/2015	8:21	2/18/2015 8:21	30	28	0	42	0.0			5446.97
	2/18/2015	8:42	2/18/2015 8:42	29	27.5	4.5	46	9.0	95.0	10.9	5457.84
	2/18/2015	8:44	2/18/2015 8:44	36	33	14	46	30.4	39.4	4.5	5462.35
	2/18/2015	10:32	2/18/2015 10:32	36	34	12.5	56	26.8	3088.6	353.3	5815.69
	2/18/2015	12:18	2/18/2015 12:18	36	33	14	62	29.9	3005.5	343.8	6159.51
	2/18/2015	12:19	2/18/2015 12:19		28				29.9	3.4	6162.93
SW-129 Event 9	2/20/2015	8:13	2/20/2015 8:13	30	30	0	32	0.0			6162.93
	2/20/2015	8:35	2/20/2015 8:35	30	28	8	40	16.4	180.1	20.6	6183.54
	2/20/2015	8:36	2/20/2015 8:36	36	33	16	40	34.9	25.6	2.9	6186.47
	2/20/2015	9:50	2/20/2015 9:50	36	33	14	49	30.3	2411.9	275.9	6462.39
	2/20/2015	11:36	2/20/2015 11:36	36	33	15	53	32.3	3316.1	379.4	6841.76
	2/20/2015	12:29	2/20/2015 12:29	36	33	16	54	34.4	1768.0	202.3	7044.01
	2/20/2015	12:30	2/20/2015 12:30		28				34.4	3.9	7047.95
SW-129 Event 10	2/24/2015	7:59	2/24/2015 7:59	32	32	0	53	0.0	0.0	0.0	7047.95
	2/24/2015	8:34	2/24/2015 8:34	31	28.5	8.5	55	17.3	303.2	34.7	7082.63
	2/24/2015	8:36	2/24/2015 8:36	39	34.5	18	55	39.8	57.2	6.5	7089.17
	2/24/2015	10:12	2/24/2015 10:12	39	35	16	56	35.4	3609.5	412.9	7502.10
	2/24/2015	11:47	2/24/2015 11:47	39	34	18	55	39.8	3571.9	408.6	7910.72
	2/24/2015	13:27	2/24/2015 13:27	39	33	20	55	44.3	4204.2	481.0	8391.68
	2/24/2015	13:28	2/24/2015 13:28		26				44.3	5.1	8396.74
SW-129 Event 11	2/26/2015	12:25	2/26/2015 12:25	34	33	6	61	12.6			8396.74
	2/26/2015	13:07	2/26/2015 13:07	33	31	10	63	20.7	697.7	79.8	8476.55
	2/26/2015	13:08	2/26/2015 13:08	36	33.5	16	63	34.1	27.4	3.1	8479.69
	2/26/2015	13:59	2/26/2015 13:59	36	34	14	62	29.9	1631.5	186.6	8666.33
	2/26/2015	15:27	2/26/2015 15:27	36	34	14	64	29.8	2626.2	300.4	8966.77
	2/26/2015	16:46	2/26/2015 16:46	36	33	16	58	34.3	2531.6	289.6	9256.38
	2/26/2015	16:47	2/26/2015 16:47		28				34.3	3.9	9260.31
SW-129 Event 12	3/3/2015	8:02	3/3/2015 8:02	34	33	6	64	12.5			9260.31
	3/3/2015	8:22	3/3/2015 8:22	32	30.5	9	64	18.4	309.0	35.4	9295.66
	3/3/2015	8:23	3/3/2015 8:23	36	34	14	64	29.8	24.1	2.8	9298.41
	3/3/2015	9:57	3/3/2015 9:57	35	33.5	14	64	29.5	2788.4	319.0	9617.40
	3/3/2015	11:36	3/3/2015 11:36	36	32	14	68	29.7	2930.8	335.3	9952.69
	3/3/2015	12:27	3/3/2015 12:27	36	33	15	72	31.7	1565.4	179.1	10131.77
	3/3/2015	12:28	3/3/2015 12:28		28				31.7	3.6	10135.39
SW-129 Event 13	3/5/2015	7:50	3/5/2015 7:50	32	32	6	69	12.2			10135.39
	3/5/2015	8:09	3/5/2015 8:09	31	29	10	69	20.1	306.8	35.1	10170.49
	3/5/2015	8:10	3/5/2015 8:10	36	33	15	69	31.8	25.9	3.0	10173.46
	3/5/2015	10:24	3/5/2015 10:24	36	33	15.5	70	32.8	4328.1	495.1	10668.60
	3/5/2015	11:46	3/5/2015 11:46	36	32	16	72	33.8	2731.3	312.5	10981.06
	3/5/2015	12:53	3/5/2015 12:53	36	31	17	77	35.7	2329.9	266.5	11247.60
	3/5/2015	12:54	3/5/2015 12:54		26				35.7	4.1	11251.69
SW-129 Event 14	3/10/2015	10:23	3/10/2015 10:23	32	32	0	70	0.0	0.0	0.0	11251.69
	3/10/2015	10:32	3/10/2015 10:32	31	30	6	70	12.0	54.2	6.2	11257.89
	3/10/2015	10:33	3/10/2015 10:33	35	33	11	70	23.1	17.6	2.0	11259.90
	3/10/2015	11:46	3/10/2015 11:46	35	32.5	11.5	78	23.9	1714.2	196.1	11456.00
	3/10/2015	13:12	3/10/2015 13:12	35	32	11.5	85	23.8	2049.6	234.5	11690.48
	3/10/2015	14:25	3/10/2015 14:25	35	32	12	86	24.8	1770.8	202.6	11893.06
	3/10/2015	14:26	3/10/2015 14:26		28				24.8	2.8	11895.90

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-129 Event 15	3/13/2015	7:57	3/13/2015 7:57		32	32	4	64	8.2				11895.90
	3/13/2015	8:18	3/13/2015 8:18		30	29.5	8	64	16.0		253.6	29.0	11924.91
	3/13/2015	8:19	3/13/2015 8:19		34	32	12	64	25.0		20.5	2.3	11927.25
	3/13/2015	9:35	3/13/2015 9:35		34	32	12	64	25.0		1902.8	217.7	12144.93
	3/13/2015	9:37	3/13/2015 9:37			28					50.1	5.7	12150.66
											Total CO ₂ Mass (lbs):		12150.66

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-130 Event 1	1/15/2015	8:10	1/15/2015 8:10		20	20	0	48	0.0				0.00
	1/15/2015	8:38	1/15/2015 8:38		20	21	0	48	0.0		0.0	0.00	0.00
	1/15/2015	8:40	1/15/2015 8:40		24	24	0	48	0.0		0.0	0.00	0.00
	1/15/2015	9:51	1/15/2015 9:51		21	21	0	50	0.0		0.0	0.00	0.00
	1/15/2015	9:55	1/15/2015 9:55		27	28	0	50	0.0		0.0	0.00	0.00
	1/15/2015	11:42	1/15/2015 11:42		27	28	0	53	0.0		0.0	0.00	0.00
	1/15/2015	11:45	1/15/2015 11:45		32	32	3	53	6.2		9.3	1.06	1.06
	1/15/2015	14:14	1/15/2015 14:14		32	32	5	54	10.3		1230.0	140.71	141.78
	1/15/2015	16:00	1/15/2015 16:00		32	32	5	52	10.3		1094.5	125.21	266.98
	1/15/2015	16:53	1/15/2015 16:53		32	31.5	5.5	52	11.4		575.2	65.80	332.79
1/15/2015	16:54	1/15/2015 16:54			23					11.4	1.30	334.09	
SW-130 Event 2	1/20/2015	8:09	1/20/2015 8:09		28	30	0	42	0.0				334.09
	1/20/2015	8:55	1/20/2015 8:55		28	29.5	0	46	0.0		0.0	0.00	334.09
	1/20/2015	8:56	1/20/2015 8:56		34	34	0	46	0.0		0.0	0.00	334.09
	1/20/2015	13:18	1/20/2015 13:18		30	30	0	80	0.0		0.0	0.00	334.09
	1/20/2015	13:19	1/20/2015 13:19		34	34	<2	80	0.0		0.0	0.00	334.09
	1/20/2015	15:39	1/20/2015 15:39		31	34	6	70	12.0		843.5	96.49	430.58
	1/20/2015	16:46	1/20/2015 16:46			23					807.3	92.36	522.93
SW-130 Event 3	1/27/2015	8:02	1/27/2015 8:02		28	28	0	42	0.0				522.93
	1/27/2015	8:39	1/27/2015 8:39		26	27	0	45	0.0		0.0	0.00	522.93
	1/27/2015	8:40	1/27/2015 8:40		36	35.5	6	45	13.0		6.5	0.75	523.68
	1/27/2015	9:44	1/27/2015 9:44		36	35.5	6	52	12.9		830.7	95.03	618.71
	1/27/2015	10:57	1/27/2015 10:57		35	35	8	58	17.0		1091.3	124.85	743.56
	1/27/2015	11:53	1/27/2015 11:53		35	35	9	58	19.1		1009.5	115.49	859.04
	1/27/2015	13:14	1/27/2015 13:14		35	35	9	64	19.0		1541.4	176.34	1035.38
	1/27/2015	15:03	1/27/2015 15:03		35	35	9	64	19.0		2068.0	236.58	1271.96
	1/27/2015	16:03	1/27/2015 16:03		35	33.5	11	61	23.3		1266.9	144.94	1416.90
	1/27/2015	16:48	1/27/2015 16:48		34	33	12	60	25.1		1088.9	124.57	1541.47
1/27/2015	16:50	1/27/2015 16:50			26					50.3	5.75	1547.22	
SW-130 Event 4	1/29/2015	8:09	1/29/2015 8:09		28	29	0	38	0.0				1547.22
	1/29/2015	8:45	1/29/2015 8:45		24	29	0	43	0.0		0.0	0.00	1547.22
	1/29/2015	8:46	1/29/2015 8:46		35	35	6	44	12.9		6.5	0.74	1547.96
	1/29/2015	9:55	1/29/2015 9:55		35	35.5	5	64	10.5		809.0	92.55	1640.50
	1/29/2015	10:51	1/29/2015 10:51		35	35.5	5	60	10.6		591.4	67.66	1708.16
	1/29/2015	11:51	1/29/2015 11:51		35	35	6	60	12.7		698.4	79.90	1788.07
	1/29/2015	13:00	1/29/2015 13:00		36	35	7	66	14.9		951.4	108.84	1896.91
	1/29/2015	14:50	1/29/2015 14:50		35	33.5	9	66	18.9		1859.7	212.75	2109.65
	1/29/2015	15:39	1/29/2015 15:39		35	33.5	9.5	64	20.0		954.6	109.20	2218.86
	1/29/2015	16:57	1/29/2015 16:57		36	33	10	62	21.3		1613.2	184.55	2403.41
	1/29/2015	16:58	1/29/2015 16:58			28					21.3	2.44	2405.85
	SW-130 Event 5	2/2/2015	8:09	2/2/2015 8:09		28	29.5	0	64	0.0			
2/2/2015		8:49	2/2/2015 8:49		28	29	0	64	0.0		0.0	0.00	2405.85
2/2/2015		8:50	2/2/2015 8:50		36	35	8	64	17.0		8.5	0.97	2406.82
2/2/2015		9:51	2/2/2015 9:51		36	35	7	65	14.9		973.8	111.40	2518.23
2/2/2015		11:31	2/2/2015 11:31		36	35	7.5	64	16.0		1543.2	176.54	2694.77
2/2/2015		14:01	2/2/2015 14:01		36	34	10	70	21.2		2785.6	318.67	3013.44
2/2/2015		15:03	2/2/2015 15:03		36	34	11.5	70	24.3		1410.9	161.41	3174.85
2/2/2015		17:05	2/2/2015 17:05		36	33	14	62	29.9		3307.3	378.36	3553.21
2/2/2015		17:06	2/2/2015 17:06			27					29.9	3.42	3556.63
SW-130 Event 6		2/6/2015	7:35	2/6/2015 7:35		29	29	0	37	0.0			
	2/6/2015	8:05	2/6/2015 8:05		28	28	<2	40	0.0		0.0	0.00	3556.63

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/25/2015	15:27	2/25/2015 15:27		39	33	19	55	42.0		2536.8	290.20	15658.82
	2/25/2015	17:06	2/25/2015 17:06		39	32	20	54	44.3		4273.9	488.94	16147.76
	2/25/2015	17:07	2/25/2015 17:07			27					44.3	5.07	16152.83
SW-130 Event 12	2/26/2015	8:11	2/26/2015 8:11		32	32	0	50	0.0				16152.83
	2/26/2015	8:44	2/26/2015 8:44		30	26.5	9	52	18.2		300.2	34.34	16187.17
	2/26/2015	8:45	2/26/2015 8:45		39	34.5	17.5	52	38.8		28.5	3.26	16190.44
	2/26/2015	9:42	2/26/2015 9:42		38	34.5	17.5	56	38.3		2199.0	251.56	16442.00
	2/26/2015	10:56	2/26/2015 10:56		38	33	17.5	59	38.2		2831.0	323.87	16765.86
	2/26/2015	12:07	2/26/2015 12:07		38	32	17.5	62	38.1		2708.0	309.80	17075.66
	2/26/2015	13:01	2/26/2015 13:01		39	31.5	19.5	64	42.8		2182.8	249.71	17325.37
	2/26/2015	13:02	2/26/2015 13:02			26					42.8	4.89	17330.26
Total CO2 Mass (lbs):												17330.26	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/26/2015	9:38	2/26/2015 9:38		39	35	12.5	55	27.7		1557.8	178.22	13019.69
	2/26/2015	10:51	2/26/2015 10:51		38	35	12.5	58	27.3		2006.5	229.54	13249.23
	2/26/2015	12:01	2/26/2015 12:01		38	35	12.5	60	27.3		1909.9	218.50	13467.73
	2/26/2015	13:05	2/26/2015 13:05		40	35	14.5	63	32.1		1900.3	217.40	13685.13
	2/26/2015	14:01	2/26/2015 14:01		39.5	35	15	63	33.1		1825.8	208.87	13894.00
	2/26/2015	15:30	2/26/2015 15:30		39.5	33	16	64	35.3		3040.7	347.85	14241.85
	2/26/2015	16:45	2/26/2015 16:45		39.5	32	16.5	58	36.6		2693.3	308.11	14549.97
	2/26/2015	16:46	2/26/2015 16:46			23.5					36.6	4.18	14554.15
SW-131 Event 12	3/3/2015	8:00	3/3/2015 8:00		33	33	4	64	8.3				14554.15
	3/3/2015	8:18	3/3/2015 8:18		32.5	31	6	64	12.3		185.2	21.19	14575.34
	3/3/2015	8:19	3/3/2015 8:19		40	36	10.5	64	23.2		17.8	2.03	14577.37
	3/3/2015	9:58	3/3/2015 9:58		39.5	35	12	64	26.4		2459.1	281.32	14858.69
	3/3/2015	11:38	3/3/2015 11:38		39	33	14	68	30.6		2850.7	326.12	15184.82
	3/3/2015	12:29	3/3/2015 12:29		39	33	14	72	30.5		1556.3	178.05	15362.86
	3/3/2015	12:30	3/3/2015 12:30			25					30.5	3.48	15366.35
SW-131 Event 13	3/5/2015	7:52	3/5/2015 7:52		33	33	4	69	8.2				15366.35
	3/5/2015	8:10	3/5/2015 8:10		33	31	6	69	12.3		184.9	21.15	15387.50
	3/5/2015	8:11	3/5/2015 8:11		39	35	10	69	21.8		17.1	1.95	15389.45
	3/5/2015	10:24	3/5/2015 10:24		38.5	34	12.5	70	27.1		3254.3	372.29	15761.74
	3/5/2015	11:42	3/5/2015 11:42		38	33	13.5	72	29.1		2192.1	250.77	16012.51
	3/5/2015	12:54	3/5/2015 12:54		37	32	14	77	29.7		2117.5	242.24	16254.75
	3/5/2015	12:55	3/5/2015 12:55			26					29.7	3.40	16258.15
Total CO ₂ Mass (lbs):												16258.15	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12/3/2014	13:18	12/3/2014 13:18		38	29	27	76	58.0		2047.6	234.2	9316.65
	12/3/2014	14:37	12/3/2014 14:37		37	27.5	28	76	59.5		4640.0	530.8	9847.47
	12/3/2014	16:09	12/3/2014 16:09		38	27	28	71	60.4		5515.8	631.0	10478.48
	12/3/2014	17:04	12/3/2014 17:04		38	27	30	70	64.8		3442.0	393.8	10872.24
	12/3/2014	17:07	12/3/2014 17:07			18.5					194.3	22.2	10894.47
SW-132 Event 7	12/5/2014	12:13	12/5/2014 12:13		30	31	10	69	19.9				10894.47
	12/5/2014	12:30	12/5/2014 12:30		29	26.5	16	69	31.4		436.2	49.9	10944.37
	12/5/2014	12:31	12/5/2014 12:31		38	31	26	69	56.2		43.8	5.0	10949.38
	12/5/2014	14:07	12/5/2014 14:07		36	28.5	24	69	50.9		5138.2	587.8	11537.19
	12/5/2014	15:28	12/5/2014 15:28		38	29	28	68	60.6		4512.9	516.3	12053.46
	12/5/2014	16:52	12/5/2014 16:52		40	28	20	68	44.1		4395.9	502.9	12556.36
	12/5/2014	16:53	12/5/2014 16:53			21					44.1	5.0	12561.40
Total CO2 Mass (lbs):												12561.40	

Sparge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)	Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/29/2015	11:52	1/29/2015 11:52	37	36.5	7	60	15.1	966.6	110.58	4021.77
	1/29/2015	13:01	1/29/2015 13:01	36	36	8	66	17.0	1108.1	126.77	4148.53
	1/29/2015	14:50	1/29/2015 14:50	35	35	10	66	21.0	2073.3	237.18	4385.72
	1/29/2015	15:38	1/29/2015 15:38	36	35	11	64	23.4	1067.1	122.08	4507.80
	1/29/2015	16:56	1/29/2015 16:56	36	35	12	62	25.6	1912.2	218.75	4726.55
	1/29/2015	16:57	1/29/2015 16:57		30				25.6	2.93	4729.48
SW-133 Event 7	1/30/2015	7:35	1/30/2015 7:35	29	31	0	56	0.0			4729.48
	1/30/2015	7:46	1/30/2015 7:46	28	29.5	3	56	5.9	32.5	3.71	4733.19
	1/30/2015	7:47	1/30/2015 7:47	36	35.5	9	56	19.3	12.6	1.44	4734.64
	1/30/2015	8:53	1/30/2015 8:53	35	34	14	57	29.7	1618.4	185.14	4919.78
	1/30/2015	9:54	1/30/2015 9:54	36	34.5	12	60	25.7	1689.0	193.22	5113.00
	1/30/2015	10:53	1/30/2015 10:53	36	34.5	12	62	25.6	1512.2	173.00	5286.00
	1/30/2015	10:54	1/30/2015 10:54		29				25.6	2.93	5288.93
SW-133 Event 8	2/3/2015	8:13	2/3/2015 8:13	27.5	28	0	40	0.0			5288.93
	2/3/2015	8:38	2/3/2015 8:38	27	27.5	0	43	0.0	0.0	0.00	5288.93
	2/3/2015	8:39	2/3/2015 8:39	39	37.5	8	43	17.9	9.0	1.03	5289.95
	2/3/2015	9:51	2/3/2015 9:51	39	37	7.5	54	16.6	1243.3	142.23	5432.18
	2/3/2015	11:29	2/3/2015 11:29	39	37	7.5	56	16.6	1626.4	186.06	5618.24
	2/3/2015	14:22	2/3/2015 14:22	39	37	8	66	17.5	2948.4	337.30	5955.54
	2/3/2015	15:48	2/3/2015 15:48	39	36	10	64	21.9	1695.7	193.99	6149.53
	2/3/2015	16:57	2/3/2015 16:57	38	36	10	60	21.8	1508.8	172.61	6322.13
	2/3/2015	16:59	2/3/2015 16:59		30				43.6	4.99	6327.12
SW-133 Event 9	2/5/2015	8:27	2/5/2015 8:27	28	29	0	52	0.0			6327.12
	2/5/2015	9:04	2/5/2015 9:04	27.5	28	0	54	0.0	0.0	0.00	6327.12
	2/5/2015	9:05	2/5/2015 9:05	37	36	10	54	21.7	10.9	1.24	6328.36
	2/5/2015	12:00	2/5/2015 12:00	38	35.5	10	60	21.8	3809.0	435.75	6764.12
	2/5/2015	13:59	2/5/2015 13:59	39	35.5	9	71	19.6	2463.6	281.83	7045.95
	2/5/2015	15:21	2/5/2015 15:21	38	35.5	9.5	71	20.5	1643.6	188.03	7233.98
	2/5/2015	16:07	2/5/2015 16:07	38	35.5	9.5	71	20.5	942.6	107.83	7341.81
	2/5/2015	16:54	2/5/2015 16:54	38	35	10	67	21.7	990.4	113.30	7455.11
	2/5/2015	16:55	2/5/2015 16:55		30				21.7	2.48	7457.59
SW-133 Event 10	2/6/2015	7:37	2/6/2015 7:37	29	31	0	37	0.0			7457.59
	2/6/2015	8:05	2/6/2015 8:05	28	29.5	4	40	8.0	112.0	12.81	7470.40
	2/6/2015	8:07	2/6/2015 8:07	37	36	13	40	28.7	36.7	4.19	7474.59
	2/6/2015	9:07	2/6/2015 9:07	36	34	14	50	30.2	1766.8	202.12	7676.71
	2/6/2015	9:08	2/6/2015 9:08	38	36	16.5	50	36.3	33.3	3.81	7680.52
	2/6/2015	10:02	2/6/2015 10:02	39	36	16	54	35.4	1938.3	221.74	7902.26
	2/6/2015	11:10	2/6/2015 11:10	38	36	16	56	35.0	2396.0	274.10	8176.36
	2/6/2015	11:11	2/6/2015 11:11		28.5				35.0	4.01	8180.37
SW-133 Event 11	2/10/2015	8:19	2/10/2015 8:19	28	25	0	58	0.0			8180.37
	2/10/2015	8:57	2/10/2015 8:57	22	23	0	58	0.0	0.0	0.00	8180.37
	2/10/2015	8:58	2/10/2015 8:58	35	37	0	58	0.0	0.0	0.00	8180.37
	2/10/2015	10:18	2/10/2015 10:18	35	36	5	60	10.6	423.3	48.43	8228.79
	2/10/2015	11:50	2/10/2015 11:50	35	36	6	62	12.7	1069.8	122.38	8351.18
	2/10/2015	13:53	2/10/2015 13:53	35	35	7	62	14.8	1688.8	193.20	8544.37
	2/10/2015	15:31	2/10/2015 15:31	35	35	8	62	16.9	1552.5	177.61	8721.98
	2/10/2015	16:42	2/10/2015 16:42	35	34	8.5	61	18.0	1237.9	141.62	8863.60
	2/11/2015	7:52	2/11/2015 7:52	34	31	15	54	31.6	22560.8	2580.95	11444.55
	2/11/2015	7:55	2/11/2015 7:55						94.8	10.85	11455.40
SW-133 Event 12	2/12/2015	7:59	2/12/2015 7:59	31	32	0	48	0.0			11455.40
	2/12/2015	8:32	2/12/2015 8:32	32	31	7	52	14.5	238.8	27.31	11482.71

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/12/2015	8:33	2/12/2015 8:33		37	36	13	52	28.3		21.4	2.45	11485.16
	2/12/2015	10:10	2/12/2015 10:10		36	35	16.5	60	35.3		3083.6	352.76	11837.92
	2/12/2015	11:59	2/12/2015 11:59		36	35	17	62	36.3		3899.6	446.12	12284.04
	2/12/2015	14:25	2/12/2015 14:25		36	34.5	16	70	33.9		5120.6	585.80	12869.84
	2/12/2015	15:56	2/12/2015 15:56		36	34	16.5	70	34.9		3130.4	358.12	13227.96
	2/12/2015	16:41	2/12/2015 16:41		36	34	7.5	68	15.9		1143.9	130.86	13358.82
	2/12/2015	16:42	2/12/2015 16:42			26.5					15.9	1.82	13360.64
SW-133 Event 13	2/17/2015	8:06	2/17/2015 8:06		30	31	0	64	0.0				13360.64
	2/17/2015	8:19	2/17/2015 8:19		37	37	10.5	64	22.6		146.8	16.79	13377.43
	2/17/2015	10:11	2/17/2015 10:11		37	35	14	60	30.2		2957.7	338.36	13715.79
	2/17/2015	12:42	2/17/2015 12:42		37	35	14	58	30.3		4569.6	522.77	14238.56
	2/17/2015	14:30	2/17/2015 14:30		37	35	14	58	30.3		3271.6	374.28	14612.83
	2/17/2015	14:33	2/17/2015 14:33		40	37	18.5	58	41.2		107.2	12.27	14625.10
	2/17/2015	17:18	2/17/2015 17:18		40	37	19	56	42.4		6896.4	788.95	15414.05
	2/17/2015	17:19	2/17/2015 17:19			30					42.4	4.85	15418.90
SW-133 Event 14	2/19/2015	8:10	2/19/2015 8:10		31	31	0	35	0.0				15418.90
	2/19/2015	8:35	2/19/2015 8:35		30	30	4	38	8.2		102.6	11.73	15430.63
	2/19/2015	8:36	2/19/2015 8:36		37	36	13	39	28.7		18.4	2.11	15432.74
	2/19/2015	10:13	2/19/2015 10:13		36	35	15	50	32.4		2962.5	338.91	15771.65
	2/19/2015	12:22	2/19/2015 12:22		35	35	16	54	34.1		4287.2	490.45	16262.11
	2/19/2015	14:09	2/19/2015 14:09		37	35	16	57	34.7		3676.8	420.63	16682.73
	2/19/2015	16:12	2/19/2015 16:12		37	35	16	57	34.7		4262.6	487.64	17170.38
	2/19/2015	17:15	2/19/2015 17:15		37	35	16	53	34.8		2187.7	250.28	17420.65
	2/19/2015	17:16	2/19/2015 17:16			28					34.8	3.98	17424.63
SW-133 Event 15	2/23/2015	8:03	2/23/2015 8:03		32	32	0	63	0.0				17424.63
	2/23/2015	8:18	2/23/2015 8:18		31	29.5	4	63	8.1		60.7	6.94	17431.57
	2/23/2015	8:19	2/23/2015 8:19		38	36.5	10	63	21.7		14.9	1.71	17433.28
	2/23/2015	10:04	2/23/2015 10:04		38	35	12	66	26.0		2506.9	286.79	17720.07
	2/23/2015	11:50	2/23/2015 11:50		38	34.5	12	68	26.0		2754.4	315.10	18035.18
	2/23/2015	13:21	2/23/2015 13:21		38	34.5	12	66	26.0		2364.6	270.51	18305.69
	2/23/2015	15:09	2/23/2015 15:09		37	34	12.5	66	26.8		2853.5	326.44	18632.13
	2/23/2015	17:18	2/23/2015 17:18		37	34	12.5	66	26.8		3461.3	395.97	19028.10
	2/23/2015	17:19	2/23/2015 17:19			28					26.8	3.07	19031.17
SW-133 Event 16	2/24/2015	8:06	2/24/2015 8:06		33	33	0	53	0.0				19031.17
	2/24/2015	8:42	2/24/2015 8:42		33	32.5	10	56	20.8		374.6	42.85	19074.03
	2/24/2015	8:43	2/24/2015 8:43		37	36.5	14	56	30.4		25.6	2.93	19076.95
	2/24/2015	10:14	2/24/2015 10:14		37	35	16.5	56	35.8		3008.9	344.21	19421.17
	2/24/2015	13:33	2/24/2015 13:33		38	35	18	55	39.4		7484.8	856.26	20277.43
	2/24/2015	15:01	2/24/2015 15:01		38	35	18	56	39.4		3469.8	396.95	20674.37
	2/24/2015	16:04	2/24/2015 16:04		38	35	18	56	39.4		2482.8	284.03	20958.41
	2/24/2015	16:48	2/24/2015 16:48		38	35	18	57	39.4		1733.1	198.27	21156.68
	2/24/2015	16:49	2/24/2015 16:49			28					39.4	4.50	21161.18
Total CO ₂ Mass (lbs):													21161.18

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/24/2015	16:05	2/24/2015 16:05		40	34	20.5	56	45.7		2917.0	333.70	16221.02
	2/24/2015	16:47	2/24/2015 16:47		42	34	20	57	45.4		1914.1	218.98	16440.00
	2/24/2015	16:48	2/24/2015 16:48			28					45.4	5.19	16445.19
Total CO2 Mass (lbs):												16445.19	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/9/15	9:54	2/9/2015 9:54		36	35	12	64	25.6		1868.4	213.74	5021.23
	2/9/15	11:25	2/9/2015 11:25		36	35	12	66	25.5		2323.2	265.77	5287.00
	2/9/15	13:18	2/9/2015 13:18		36	36	11.5	66	24.4		2821.9	322.82	5609.83
	2/9/15	14:46	2/9/2015 14:46		36	36	11.5	66	24.4		2150.8	246.05	5855.88
	2/9/15	16:33	2/9/2015 16:33		36	35	11.5	64	24.5		2617.8	299.48	6155.36
	2/9/15	16:34	2/9/2015 16:34		35	34.5	10	64	21.1		22.8	2.61	6157.96
	2/10/15	8:12	2/10/2015 8:12		34	31	16	58	33.6		25637.5	2932.93	9090.89
	2/10/15	8:16	2/10/2015 8:16			26.5					134.3	15.37	9106.26
SW-135 Event 7	2/13/15	7:57	2/13/2015 7:57		30	27.5	16	38	32.8				9106.26
	2/13/15	8:24	2/13/2015 8:24		30	27.5	15	46	30.5		854.9	97.80	9204.06
	2/13/15	8:25	2/13/2015 8:25		37	32.5	22	46	48.2		39.4	4.50	9208.56
	2/13/15	9:36	2/13/2015 9:36		37	33	20	51	43.6		3258.0	372.72	9581.28
	2/13/15	10:45	2/13/2015 10:45		37	33.5	20	56	43.4		2999.7	343.17	9924.45
	2/13/15	11:07	2/13/2015 11:07		36	33.5	20	56	42.9		949.3	108.60	10033.04
	2/13/15	11:08	2/13/2015 11:08			28					42.9	4.91	10037.95
SW-135 Event 8	2/16/15	12:50	2/16/2015 12:50		30	30.5	5	74	9.9				10037.95
	2/16/15	13:02	2/16/2015 13:02		35	34.5	15	70	31.4		248.0	28.37	10066.32
	2/16/15	14:02	2/16/2015 14:02		36	34	15	65	31.9		1900.4	217.40	10283.72
	2/16/15	16:53	2/16/2015 16:53		36	34	15	66	31.9		5454.2	623.96	10907.68
	2/16/15	16:54	2/16/2015 16:54			29					31.9	3.65	10911.33
SW-135 Event 9	2/26/15	8:12	2/26/2015 8:12		30	30.5	6	50	12.2				10911.33
	2/26/15	8:46	2/26/2015 8:46		30	29.5	8.5	53	17.2		498.5	57.02	10968.35
	2/26/15	8:47	2/26/2015 8:47		37	34	18	53	39.1		28.2	3.22	10971.57
	2/26/15	9:44	2/26/2015 9:44		37	35	16.5	56	35.8		2135.2	244.27	11215.84
	2/26/15	10:58	2/26/2015 10:58		36	34.5	16.5	59	35.3		2630.3	300.90	11516.74
	2/26/15	12:08	2/26/2015 12:08		36	34.5	16.5	62	35.2		2468.2	282.37	11799.11
	2/26/15	13:02	2/26/2015 13:02		37	34.5	17	64	36.6		1937.8	221.69	12020.80
	2/26/15	14:05	2/26/2015 14:05		36	34.5	16.5	66	35.1		2256.4	258.13	12278.93
	2/26/15	15:30	2/26/2015 15:30		36	34.5	16.5	70	34.9		2974.9	340.33	12619.26
	2/26/15	17:00	2/26/2015 17:00		37	35	17	60	36.7		3223.8	368.80	12988.06
	2/26/15	17:01	2/26/2015 17:01			30					36.7	4.20	12992.26
Total CO ₂ Mass (lbs):												12992.26	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/5/2015	16:59	2/5/2015 16:59		38	34.5	17	64	36.9		1802.0	206.15	6571.30
	2/5/2015	17:00	2/5/2015 17:00			30					36.9	4.22	6575.52
SW-136 Event 6	2/10/2015	8:24	2/10/2015 8:24		28	30.5	0	59	0.0				6575.52
	2/10/2015	9:00	2/10/2015 9:00		26.5	28	4.5	60	8.7		155.9	17.83	6593.35
	2/10/2015	9:01	2/10/2015 9:01		34	33	13	60	27.2		17.9	2.05	6595.40
	2/10/2015	10:25	2/10/2015 10:25		34	33	12	64	25.0		2195.3	251.14	6846.54
	2/10/2015	11:54	2/10/2015 11:54		34	33	12	67	25.0		2225.0	254.54	7101.08
	2/10/2015	13:52	2/10/2015 13:52		34	33	12	66	25.0		2947.1	337.14	7438.23
	2/10/2015	15:27	2/10/2015 15:27		34	33	12	66	25.0		2373.8	271.56	7709.79
	2/10/2015	16:54	2/10/2015 16:54		34	32.5	12	64	25.0		2176.1	248.94	7958.73
	2/10/2015	16:55	2/10/2015 16:55			28					25.0	2.86	7961.60
SW-136 Event 7	2/26/2015	12:47	2/26/2015 12:47		33	32	10	72	20.5				7961.60
	2/26/2015	14:07	2/26/2015 14:07		31	31	10	72	20.0		1621.1	185.45	8147.05
	2/26/2015	15:31	2/26/2015 15:31		31	31	10	76	20.0		1680.4	192.23	8339.28
	2/26/2015	15:32	2/26/2015 15:32		34	33	14	76	28.9		24.4	2.79	8342.08
	2/26/2015	16:56	2/26/2015 16:56		36	34	13.5	64	28.7		2419.9	276.84	8618.92
	2/26/2015	16:59	2/26/2015 16:59			29.5					86.2	9.87	8628.78
											Total CO ₂ Mass (lbs):		8628.78

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-137 Event 1	1/12/2015	8:25	1/12/2015 8:25		18	18	0	64	0.0				
	1/12/2015	9:06	1/12/2015 9:06		14	15	0	65	0.0		0.0	0.00	0.00
	1/12/2015	9:09	1/12/2015 9:09		20	22	0	65	0.0		0.0	0.00	0.00
	1/12/2015	9:45	1/12/2015 9:45		20	22	0	67	0.0		0.0	0.00	0.00
	1/12/2015	9:48	1/12/2015 9:48		22	23	0	67	0.0		0.0	0.00	0.00
	1/12/2015	11:13	1/12/2015 11:13		22	23	0	67	0.0		0.0	0.00	0.00
	1/12/2015	11:14	1/12/2015 11:14		24	25.5	0	67	0.0		0.0	0.00	0.00
	1/12/2015	12:30	1/12/2015 12:30		24	25	0	72	0.0		0.0	0.00	0.00
	1/12/2015	12:31	1/12/2015 12:31		27	29	0	72	0.0		0.0	0.00	0.00
	1/12/2015	13:15	1/12/2015 13:15		27	29	0	73	0.0		0.0	0.00	0.00
	1/12/2015	13:18	1/12/2015 13:18		30	31.5	0	73	0.0		0.0	0.00	0.00
	1/12/2015	14:00	1/12/2015 14:00		30	31.5	0	70	0.0		0.0	0.00	0.00
	1/12/2015	14:04	1/12/2015 14:04		32	33.5	0	70	0.0		0.0	0.00	0.00
	1/12/2015	14:30	1/12/2015 14:30		32	33.5	0	70	0.0		0.0	0.00	0.00
	1/12/2015	15:07	1/12/2015 15:07		32	33.5	0	68	0.0		0.0	0.00	0.00
	1/12/2015	16:06	1/12/2015 16:06		32	33.5	0	68	0.0		0.0	0.00	0.00
	1/12/2015	17:02	1/12/2015 17:02		32	33.5	0	67	0.0		0.0	0.00	0.00
	1/12/2015	17:03	1/12/2015 17:03			24.5					0.0	0.00	0.00
SW-137 Event 2	1/26/2015	8:48	1/26/2015 8:48		26	29	0	60	0		0.0	0.00	0.00
	1/26/2015	9:34	1/26/2015 9:34		22	23.5	0	72	0		0.0	0.00	0.00
	1/26/2015	9:35	1/26/2015 9:35		36	36	0	72	0		0.0	0.00	0.00
	1/26/2015	11:09	1/26/2015 11:09		36	37	0	76	0		0.0	0.00	0.00
	1/26/2015	12:26	1/26/2015 12:26		36	36	<2	76	0		0.0	0.00	0.00
	1/26/2015	14:06	1/26/2015 14:06		36	36	<2	72	0.0		0.0	0.00	0.00
	1/26/2015	15:02	1/26/2015 15:02		36	36	4	68	8.5		237.6	27.18	27.18
	1/26/2015	16:04	1/26/2015 16:04		36	36.5	4	64	8.5		527.1	60.30	87.48
	1/26/2015	17:37	1/26/2015 17:37		35	36	4	60	8.5		789.8	90.35	177.83
	1/27/2015	8:03	1/27/2015 8:03		34	34	10	52	21.1		12809.6	1465.42	1643.24
	1/27/2015	8:44	1/27/2015 8:44		34	33.5	10	56	21.0		864.1	98.85	1742.09
	1/27/2015	9:47	1/27/2015 9:47		34	33	10	66	20.8		1318.4	150.83	1892.92
	1/27/2015	11:00	1/27/2015 11:00		34	33.5	10	70	20.7		1517.1	173.55	2066.48
	1/27/2015	11:55	1/27/2015 11:55		34	33.5	10	70	20.7		1140.8	130.50	2196.98
	1/27/2015	13:18	1/27/2015 13:18		34	33.5	10	70	20.7		1721.5	196.94	2393.92
	1/27/2015	15:06	1/27/2015 15:06		34	33.5	10	69	20.8		2241.1	256.39	2650.30
	1/27/2015	16:06	1/27/2015 16:06		34	33	10	68	20.8		1246.3	142.58	2792.88
	1/27/2015	16:55	1/27/2015 16:55		34	33	10	62	20.9		1021.3	116.84	2909.72
	1/28/2015	7:52	1/28/2015 7:52		33	30.5	12	50	25.1		20645.2	2361.81	5271.53
	1/28/2015	7:54	1/28/2015 7:54		40	34	19	50	42.7		67.8	7.75	5279.28
	1/28/2015	8:28	1/28/2015 8:28		41	35.5	19	55	42.8		1453.3	166.26	5445.54
	1/28/2015	10:04	1/28/2015 10:04		41	36	19	66	42.4		4089.3	467.82	5913.36
	1/28/2015	11:20	1/28/2015 11:20		41	36	18	68	40.1		3131.7	358.26	6271.63
	1/28/2015	13:25	1/28/2015 13:25		42	37	16	69	35.9		4746.3	542.98	6814.61
	1/28/2015	15:32	1/28/2015 15:32		42	37	16	69	35.9		4558.0	521.44	7336.04
	1/28/2015	16:51	1/28/2015 16:51		42	37	16	64	36.1		2842.4	325.17	7661.21
	1/29/2015	8:12	1/29/2015 8:12		42	34	20	54	45.5		37583.4	4299.54	11960.76
	1/29/2015	8:13	1/29/2015 8:13			27					45.5	5.21	11965.97
Total CO2 Mass (lbs):												11965.97	

Spurge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)	Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-138 Event 1	1/15/2015	8:16	1/15/2015 8:16	20	21	0	50	0.0			0.00
	1/15/2015	8:45	1/15/2015 8:45	19	20.5	0	50	0.0	0.0	0.00	0.00
	1/15/2015	8:46	1/15/2015 8:46	26	27	0	50	0.0	0.0	0.00	0.00
	1/15/2015	10:00	1/15/2015 10:00	26	26	<2	55	0.0	0.0	0.00	0.00
	1/15/2015	10:03	1/15/2015 10:03	30	30	5	55	10.1	15.1	1.73	1.73
	1/15/2015	11:57	1/15/2015 11:57	30	30	6	59	12.0	1261.0	144.26	145.99
	1/15/2015	12:00	1/15/2015 12:00	33	32.5	8	59	16.6	43.0	4.92	150.90
	1/15/2015	14:19	1/15/2015 14:19	33	32.5	9	59	18.7	2451.4	280.44	431.35
	1/15/2015	16:07	1/15/2015 16:07	33	32.5	9	57	18.7	2018.8	230.95	662.29
	1/15/2015	16:58	1/15/2015 16:58	33	31.5	10	56	20.8	1007.8	115.29	777.59
	1/15/2015	16:59	1/15/2015 16:59		22				20.8	2.38	779.97
SW-138 Event 2	1/22/2015	9:57	1/22/2015 9:57	28	30	0	65	0.0			779.97
	1/22/2015	10:16	1/22/2015 10:16	36	31.5	17	66	36.1	343.2	39.27	819.24
	1/22/2015	11:51	1/22/2015 11:51	35	29	19.5	70	40.9	3657.3	418.39	1237.63
	1/22/2015	11:52	1/22/2015 11:52	39	31	22	70	48.0	44.4	5.08	1242.71
	1/22/2015	15:18	1/22/2015 15:18	40	30	22	74	48.2	9905.6	1133.21	2375.91
	1/22/2015	15:19	1/22/2015 15:19	45	33	26	74	59.6	53.9	6.17	2382.08
	1/22/2015	17:18	1/22/2015 17:18	48	33.5	27	64	64.1	7357.1	841.66	3223.74
	1/22/2015	17:19	1/22/2015 17:19		18				64.1	7.33	3231.07
SW-138 Event 3	1/30/2015	7:39	1/30/2015 7:39	26	29	<2	58	0.0	0.0	0.00	3231.07
	1/30/2015	7:51	1/30/2015 7:51	25	25	9	58	17.0	102.2	11.69	3242.76
	1/30/2015	7:52	1/30/2015 7:52	38	33	20	58	43.7	30.4	3.47	3246.23
	1/30/2015	8:57	1/30/2015 8:57	39	29	22	61	48.4	2992.8	342.37	3588.61
	1/30/2015	9:56	1/30/2015 9:56	39	29	24	69	52.4	2972.2	340.02	3928.62
	1/30/2015	10:57	1/30/2015 10:57	39	26	24	70	52.3	3192.7	365.25	4293.87
	1/30/2015	10:58	1/30/2015 10:58		20				52.3	5.98	4299.85
SW-138 Event 4	2/2/2015	8:13	2/2/2015 8:13	28	30.5	4	66	7.8			4299.85
	2/2/2015	8:53	2/2/2015 8:53	28	27	10	67	19.5	545.0	62.35	4362.20
	2/2/2015	8:55	2/2/2015 8:55	36	33	16	67	34.0	53.4	6.11	4368.32
	2/2/2015	9:55	2/2/2015 9:55	36	32.5	16	66	34.0	2039.3	233.30	4601.61
	2/2/2015	11:36	2/2/2015 11:36	36	32.5	16	66	34.0	3434.5	392.91	4994.52
	2/2/2015	12:35	2/2/2015 12:35	36	32.5	16	70	33.9	2002.4	229.07	5223.59
	2/2/2015	12:37	2/2/2015 12:37		21				67.7	7.75	5231.34
SW-138 Event 5	2/6/2015	7:40	2/6/2015 7:40	30	32	4	42	8.2			5231.34
	2/6/2015	8:09	2/6/2015 8:09	30	30	6	47	12.2	295.2	33.78	5265.12
	2/6/2015	8:10	2/6/2015 8:10	36	35.5	12	47	26.0	19.1	2.18	5267.30
	2/6/2015	9:10	2/6/2015 9:10	36	36	10	64	21.3	1418.8	162.31	5429.61
	2/6/2015	10:04	2/6/2015 10:04	36	36	10	67	21.2	1148.2	131.36	5560.97
	2/6/2015	11:13	2/6/2015 11:13	36	36	10	68	21.2	1464.3	167.52	5728.49
	2/6/2015	11:14	2/6/2015 11:14		27				21.2	2.43	5730.92
SW-138 Event 6	2/13/2015	7:59	2/13/2015 7:59	28	30	6	40	12.0			5730.92
	2/13/2015	8:27	2/13/2015 8:27	28	28.5	6.5	54	12.8	347.3	39.74	5770.65
	2/13/2015	8:28	2/13/2015 8:28	35	33.5	11.5	54	24.5	18.7	2.13	5772.79
	2/13/2015	9:39	2/13/2015 9:39	35	34.5	11	60	23.3	1695.8	194.00	5966.79
	2/13/2015	10:48	2/13/2015 10:48	35	34	11.5	67	24.2	1637.1	187.29	6154.07
	2/13/2015	11:10	2/13/2015 11:10	34	34	12	68	24.9	540.2	61.80	6215.87
	2/13/2015	11:11	2/13/2015 11:11		26				24.9	2.85	6218.72
SW-138 Event 7	2/24/2015	8:09	2/24/2015 8:09	32	32	9	58	18.5			6218.72
	2/24/2015	8:47	2/24/2015 8:47	30	27.5	14.5	59	29.1	904.4	103.46	6322.19
	2/24/2015	8:48	2/24/2015 8:48	40	33.5	21	59	46.7	37.9	4.34	6326.53
	2/24/2015	10:18	2/24/2015 10:18	40	32.5	21	60	46.7	4202.4	480.75	6807.28

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/24/2015	13:37	2/24/2015 13:37		40	30	21.5	60	47.8		9397.8	1075.11	7882.39
	2/24/2015	13:38	2/24/2015 13:38		44	32.5	24	60	55.3		51.5	5.90	7888.28
	2/24/2015	15:05	2/24/2015 15:05		43	31	24	61	54.8		4786.9	547.62	8435.90
	2/24/2015	15:06	2/24/2015 15:06		44	32	24.5	61	56.4		55.6	6.36	8442.26
	2/24/2015	16:07	2/24/2015 16:07		44	31.5	24.5	62	56.3		3437.8	393.28	8835.54
	2/24/2015	16:56	2/24/2015 16:56		49	33.5	28	62	67.1		3024.5	346.00	9181.54
	2/24/2015	16:57	2/24/2015 16:57			19					67.1	7.68	9189.22
Total CO2 Mass (lbs):												9189.22	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-139 Event 1	1/15/2015	8:21	1/15/2015 8:21		20	20	0	50	0.0				0.00
	1/15/2015	8:52	1/15/2015 8:52		20	20	0	52	0.0		0.0	0.00	0.00
	1/15/2015	8:53	1/15/2015 8:53		25	26	0	52	0.0		0.0	0.00	0.00
	1/15/2015	10:11	1/15/2015 10:11		25	26	0	57	0.0		0.0	0.00	0.00
	1/15/2015	10:13	1/15/2015 10:13		30	31	0	57	0.0		0.0	0.00	0.00
	1/15/2015	12:09	1/15/2015 12:09		30	30.5	0	58	0.0		0.0	0.00	0.00
	1/15/2015	12:12	1/15/2015 12:12		33	33	4	58	8.3		12.5	1.43	1.43
	1/15/2015	14:24	1/15/2015 14:24		33	33	4	58	8.3		1096.6	125.45	126.88
	1/15/2015	16:11	1/15/2015 16:11		33	33	4	56	8.3		889.8	101.80	228.67
	1/15/2015	17:04	1/15/2015 17:04		33	33	4	55	8.3		441.4	50.50	279.17
	1/15/2015	17:05	1/15/2015 17:05			29					8.3	0.95	280.13
SW-139 Event 2	1/16/2015	8:26	1/16/2015 8:26		29	30	0	52	0.0				280.13
	1/16/2015	8:48	1/16/2015 8:48		28	28.5	0	54	0.0		0.0	0.00	280.13
	1/16/2015	8:49	1/16/2015 8:49		33	32.5	6	54	12.5		6.3	0.72	280.84
	1/16/2015	9:52	1/16/2015 9:52		32	32	6	60	12.3		781.7	89.42	370.27
	1/16/2015	9:54	1/16/2015 9:54		34	33.5	7	60	14.7		27.0	3.08	373.35
	1/16/2015	11:42	1/16/2015 11:42		34	33.5	8	64	16.7		1693.1	193.70	567.05
	1/16/2015	13:06	1/16/2015 13:06		34	33.5	8	64	16.7		1402.1	160.40	727.44
	1/16/2015	13:07	1/16/2015 13:07			27					16.7	1.91	729.35
SW-139 Event 3	1/19/2015	8:07	1/19/2015 8:07		29	29	0	52	0.0				729.35
	1/19/2015	8:50	1/19/2015 8:50		37	37	9.5	60	20.5		441.1	50.46	779.81
	1/19/2015	10:47	1/19/2015 10:47		37	37	10	70	21.4		2450.9	280.38	1060.19
	1/19/2015	14:04	1/19/2015 14:04		37	37	10	72	21.3		4207.9	481.38	1541.57
	1/19/2015	16:02	1/19/2015 16:02		37	37	10	72	21.3		2518.0	288.06	1829.63
	1/19/2015	17:04	1/19/2015 17:04		37	37	10	69	21.4		1325.0	151.58	1981.21
	1/19/2015	17:05	1/19/2015 17:05			32.5					21.4	2.45	1983.65
SW-139 Event 4	1/21/2015	8:16	1/21/2015 8:16		30	32	0	56	0.0				1983.65
	1/21/2015	8:39	1/21/2015 8:39		36	35	15	66	31.9		366.6	41.94	2025.60
	1/21/2015	10:18	1/21/2015 10:18		36	35	15	70	31.8		3149.9	360.35	2385.94
	1/21/2015	12:09	1/21/2015 12:09		36	35	14	74	29.5		3400.8	389.05	2775.00
	1/21/2015	13:24	1/21/2015 13:24		35	35	14	72	29.3		2205.1	252.27	3027.26
	1/21/2015	15:06	1/21/2015 15:06		35	35	14	72	29.3		2986.7	341.68	3368.94
	1/21/2015	16:52	1/21/2015 16:52		35	35	14	72	29.3		3103.8	355.08	3724.02
	1/21/2015	17:13	1/21/2015 17:13		35	35	14	70	29.3		615.5	70.41	3794.43
	1/21/2015	17:14	1/21/2015 17:14			32					29.3	3.36	3797.79
SW-139 Event 5	1/26/2015	8:53	1/26/2015 8:53		29	30	0	66	0.0				3797.79
	1/26/2015	9:40	1/26/2015 9:40		28	28	5	67	9.7		228.6	26.16	3823.95
	1/26/2015	9:41	1/26/2015 9:41		36	34	14	67	29.7		19.7	2.26	3826.21
	1/26/2015	11:14	1/26/2015 11:14		39	35	13	68	28.4		2702.5	309.16	4135.37
	1/26/2015	12:29	1/26/2015 12:29		39	36	11	68	24.0		1965.7	224.87	4360.24
	1/26/2015	14:10	1/26/2015 14:10		39	36	11	67	24.0		2427.7	277.73	4637.97
	1/26/2015	15:04	1/26/2015 15:04		39	36	10	64	21.9		1241.4	142.01	4779.98
	1/26/2015	16:07	1/26/2015 16:07		38	36	10	63	21.7		1375.5	157.36	4937.34
	1/26/2015	17:44	1/26/2015 17:44		39	36	11	60	24.2		2228.9	254.99	5192.33
	1/26/2015	17:45	1/26/2015 17:45			34					24.2	2.77	5195.10
SW-139 Event 6	1/28/2015	7:49	1/28/2015 7:49		27	28	0	44	0.0				5195.10
	1/28/2015	8:32	1/28/2015 8:32		26	27	0	56	0.0		0.0	0.00	5195.10
	1/28/2015	8:33	1/28/2015 8:33		34	32	10	56	21.0		10.5	1.20	5196.30
	1/28/2015	10:08	1/28/2015 10:08		34	32.5	10	64	20.9		1990.1	227.66	5423.97
	1/28/2015	10:09	1/28/2015 10:09		36	35	12	64	25.6		23.2	2.66	5426.62
	1/28/2015	11:24	1/28/2015 11:24		36	35	13	65	27.7		1995.4	228.28	5654.90

Sparge Event	Date	Time	Date + Time	P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	1/28/2015	13:27	1/28/2015 13:27	37	35.5	12	66	25.8		3285.0	375.81	6030.71
	1/28/2015	15:38	1/28/2015 15:38	36	35.5	12	68	25.5		3354.4	383.74	6414.45
	1/28/2015	16:54	1/28/2015 16:54	36	35.5	12	64	25.6		1938.3	221.74	6636.19
	1/28/2015	16:55	1/28/2015 16:55		32					25.6	2.92	6639.11
SW-139 Event 7	1/30/2015	7:38	1/30/2015 7:38	29	30	<2	60	0.0				6639.11
	1/30/2015	7:50	1/30/2015 7:50	25	27	8	60	15.1		90.6	10.37	6649.48
	1/30/2015	7:51	1/30/2015 7:51	40	35	18	60	40.0		27.6	3.15	6652.63
	1/30/2015	9:02	1/30/2015 9:02	39	35	22	61	48.4		3137.8	358.96	7011.60
	1/30/2015	9:54	1/30/2015 9:54	39	33	22	66	48.1		2509.8	287.12	7298.72
	1/30/2015	10:55	1/30/2015 10:55	39	33.5	22	67	48.1		2935.4	335.81	7634.52
	1/30/2015	10:57	1/30/2015 10:57		29					96.2	11.00	7645.53
SW-139 Event 8	2/2/2015	8:18	2/2/2015 8:18	30	31	<2	68	0.0				7645.53
	2/2/2015	9:01	2/2/2015 9:01	24	27	11	68	20.3		437.4	50.04	7695.57
	2/2/2015	9:02	2/2/2015 9:02	38	32.5	21	68	45.4		32.9	3.76	7699.33
	2/2/2015	9:57	2/2/2015 9:57	39	34.5	18	68	39.3		2330.4	266.60	7965.93
	2/2/2015	11:42	2/2/2015 11:42	39	34.5	18	68	39.3		4127.9	472.23	8438.16
	2/2/2015	13:48	2/2/2015 13:48	39	36	16	69	34.9		4676.1	534.94	8973.10
	2/2/2015	14:53	2/2/2015 14:53	39	36	16	69	34.9		2269.2	259.59	9232.69
	2/2/2015	17:17	2/2/2015 17:17	39	36	16	65	35.0		5037.1	576.24	9808.93
	2/2/2015	17:18	2/2/2015 17:18		32.5					35.0	4.01	9812.94
SW-139 Event 9	2/4/2015	8:14	2/4/2015 8:14	29	29.5	0	55	0.0				9812.94
	2/4/2015	8:43	2/4/2015 8:43	27	26	9.5	57	18.4		267.5	30.60	9843.54
	2/4/2015	8:44	2/4/2015 8:44	36	31.5	20	57	42.9		30.7	3.51	9847.05
	2/4/2015	10:33	2/4/2015 10:33	36	32.5	18	60	38.5		4435.0	507.36	10354.42
	2/4/2015	12:31	2/4/2015 12:31	37	33.5	16	63	34.4		4303.0	492.27	10846.68
	2/4/2015	13:54	2/4/2015 13:54	37	33.5	16	62	34.5		2860.6	327.25	11173.93
	2/4/2015	15:18	2/4/2015 15:18	37	33.5	16	62	34.5		2896.5	331.36	11505.28
	2/4/2015	16:18	2/4/2015 16:18	37	33	16	60	34.6		2071.0	236.92	11742.20
	2/4/2015	17:19	2/4/2015 17:19	36	34	16	59	34.2		2098.2	240.04	11982.24
	2/4/2015	17:20	2/4/2015 17:20		32					34.2	3.92	11986.16
SW-139 Event 10	2/6/2015	7:45	2/6/2015 7:45	29	29	0	42	0.0				11986.16
	2/6/2015	8:11	2/6/2015 8:11	26	26	9	50	17.4		226.0	25.85	12012.01
	2/6/2015	8:12	2/6/2015 8:12	40	34	21	50	47.1		32.3	3.69	12015.70
	2/6/2015	9:13	2/6/2015 9:13	40	33	24	60	53.3		3064.8	350.61	12366.31
	2/6/2015	9:15	2/6/2015 9:15	42	33.5	26	60	58.8		112.2	12.83	12379.15
	2/6/2015	10:06	2/6/2015 10:06	43	34	26	63	59.2		3010.1	344.36	12723.51
	2/6/2015	11:18	2/6/2015 11:18	43	34	26	63	59.2		4262.1	487.59	13211.10
	2/6/2015	11:19	2/6/2015 11:19		28.5					59.2	6.77	13217.87
SW-139 Event 11	2/9/2015	8:07	2/9/2015 8:07	30	30.5	0	58	0.0		0.0	0.00	13217.87
	2/9/2015	8:44	2/9/2015 8:44	28	26	11	66	21.4		396.4	45.35	13263.21
	2/9/2015	8:45	2/9/2015 8:45	38	33.5	22	66	47.7		34.6	3.95	13267.17
	2/9/2015	10:04	2/9/2015 10:04	38	33	20	70	43.2		3589.2	410.61	13677.77
	2/9/2015	11:29	2/9/2015 11:29	39	35	17	70	37.1		3410.0	390.11	14067.88
	2/9/2015	13:07	2/9/2015 13:07	39	36	16	68	34.9		3528.0	403.61	14471.49
	2/9/2015	14:37	2/9/2015 14:37	39	36	16	68	34.9		3145.0	359.79	14831.28
	2/9/2015	16:49	2/9/2015 16:49	40	37	16	66	35.3		4639.1	530.71	15361.99
	2/9/2015	16:50	2/9/2015 16:50		33					35.3	4.04	15366.04
SW-139 Event 12	2/11/2015	8:04	2/11/2015 8:04	29	30	0	50	0.0		0.0	0.00	15366.04
	2/11/2015	8:35	2/11/2015 8:35	28	27	8.5	61	16.6		257.9	29.50	15395.54
	2/11/2015	8:36	2/11/2015 8:36	40	34	23	61	51.1		33.9	3.87	15399.41
	2/11/2015	10:00	2/11/2015 10:00	41	35	22	66	49.0		4204.7	481.02	15880.43

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/11/2015	11:25	2/11/2015 11:25		42	36	21	69	47.1		4086.6	467.50	16347.94
	2/11/2015	12:50	2/11/2015 12:50		42	36	20	67	45.0		3912.4	447.58	16795.52
	2/11/2015	14:27	2/11/2015 14:27		42	36.5	20	69	44.9		4356.0	498.32	17293.84
	2/11/2015	15:05	2/11/2015 15:05		42	36.5	20	70	44.8		1703.9	194.93	17488.77
	2/11/2015	16:12	2/11/2015 16:12		42	36.5	20	70	44.8		3002.8	343.52	17832.29
	2/11/2015	17:09	2/11/2015 17:09		42	36.5	20	67	45.0		2558.4	292.68	18124.98
	2/11/2015	17:10	2/11/2015 17:10			33					45.0	5.14	18130.12
SW-139 Event 13	2/25/2015	8:12	2/25/2015 8:12		33	33.5	3	54	6.3				18130.12
	2/25/2015	8:47	2/25/2015 8:47		30	28.5	11	59	22.1		495.9	56.73	18186.85
	2/25/2015	8:48	2/25/2015 8:48		40	35	20	59	44.5		33.3	3.81	18190.66
	2/25/2015	10:42	2/25/2015 10:42		40	33	22	62	48.8		5317.3	608.30	18798.96
	2/25/2015	11:38	2/25/2015 11:38		40	33.5	23	62	51.0		2794.5	319.70	19118.65
	2/25/2015	12:50	2/25/2015 12:50		42	34.5	24	62	54.2		3788.1	433.35	19552.01
	2/25/2015	14:29	2/25/2015 14:29		42	34.5	24	58	54.4		5377.9	615.23	20167.24
	2/25/2015	15:29	2/25/2015 15:29		42	34.5	25	57	56.8		3335.7	381.60	20548.84
	2/25/2015	17:01	2/25/2015 17:01		42	34.5	25	57	56.8		5221.7	597.36	21146.20
	2/25/2015	17:02	2/25/2015 17:02			30					56.8	6.49	21152.70
Total CO2 Mass (lbs):												21152.70	

Spurge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
SW-140 Event 1	1/20/2015	8:13	1/20/2015 8:13		20	20	0	44	0.0				0.00
	1/20/2015	9:00	1/20/2015 9:00		20	20	0	48	0.0		0.0	0.00	0.00
	1/20/2015	9:01	1/20/2015 9:01		24	24	0	48	0.0		0.0	0.00	0.00
	1/20/2015	10:14	1/20/2015 10:14		24	23	0	60	0.0		0.0	0.00	0.00
	1/20/2015	10:15	1/20/2015 10:15		29	27	<2	60	0.0		0.0	0.00	0.00
	1/20/2015	13:27	1/20/2015 13:27		29	27	4	90	7.7		739.6	84.61	84.61
	1/20/2015	13:28	1/20/2015 13:28		33	31	6	90	12.1		9.9	1.13	85.74
	1/20/2015	14:13	1/20/2015 14:13		33	31	6	88	12.1		544.1	62.25	147.99
	1/20/2015	14:14	1/20/2015 14:14		36	33	7	88	14.6		13.3	1.53	149.51
	1/20/2015	15:49	1/20/2015 15:49		36	33	7	76	14.7		1391.6	159.19	308.71
	1/20/2015	15:56	1/20/2015 15:56			22					103.1	11.80	320.51
SW-140 Event 2	1/27/2015	8:05	1/27/2015 8:05		29	30	0	52	0.0				320.51
	1/27/2015	8:45	1/27/2015 8:45		28	26.5	6	57	11.8		235.8	26.98	347.49
	1/27/2015	8:46	1/27/2015 8:46		39	34.5	13	58	28.7		20.2	2.31	349.80
	1/27/2015	9:48	1/27/2015 9:48		39	33.5	14	56	30.9		1848.4	211.45	561.25
	1/27/2015	11:02	1/27/2015 11:02		39	33.5	14	70	30.5		2274.1	260.16	821.42
	1/27/2015	11:56	1/27/2015 11:56		38	33.5	15	70	32.4		1698.3	194.29	1015.71
	1/27/2015	13:18	1/27/2015 13:18		38	33	15	70	32.4		2655.6	303.80	1319.50
	1/27/2015	13:19	1/27/2015 13:19		42	35	19	70	42.6		37.5	4.29	1323.79
	1/27/2015	15:07	1/27/2015 15:07		42	34.5	20	69	44.9		4721.7	540.17	1863.96
	1/27/2015	16:07	1/27/2015 16:07		42	35	18	68	40.4		2558.4	292.68	2156.63
	1/27/2015	16:56	1/27/2015 16:56		42	35	19	62	42.9		2041.7	233.57	2390.20
	1/27/2015	16:58	1/27/2015 16:58			28					85.8	9.82	2400.02
	SW-140 Event 3	2/2/2015	12:46	2/2/2015 12:46		30	31	0	70	0.0			
2/2/2015		13:36	2/2/2015 13:36		30	32	0	77	0.0		0.0	0.00	2400.02
2/2/2015		13:37	2/2/2015 13:37		34	36	<2	77	0.0		0.0	0.00	2400.02
2/2/2015		14:49	2/2/2015 14:49		33	34	<2	77	0.0		0.0	0.00	2400.02
2/2/2015		14:50	2/2/2015 14:50		36	37.5	5	77	10.5		5.3	0.60	2400.62
2/2/2015		15:10	2/2/2015 15:10		36	36	6	74	12.7		231.6	26.50	2427.13
2/2/2015		15:11	2/2/2015 15:11			32					12.7	1.45	2428.57
SW-140 Event 4	2/6/2015	7:42	2/6/2015 7:42		30	29	0	42	0.0				2428.57
	2/6/2015	8:10	2/6/2015 8:10		30	29	0	47	0.0		0.0	0.00	2428.57
	2/6/2015	8:11	2/6/2015 8:11		38	36	6	47	13.3		6.6	0.76	2429.33
	2/6/2015	9:12	2/6/2015 9:12		38	35.5	7	64	15.2		868.1	99.31	2528.64
	2/6/2015	10:05	2/6/2015 10:05		38	35	8	67	17.3		862.0	98.61	2627.25
	2/6/2015	11:14	2/6/2015 11:14		38	35	8	68	17.3		1194.7	136.68	2763.92
	2/6/2015	11:15	2/6/2015 11:15			31					17.3	1.98	2765.90
SW-140 Event 5	2/12/2015	8:01	2/12/2015 8:01		29	31	0	50	0.0				2765.90
	2/12/2015	8:37	2/12/2015 8:37		28	30.5	0	59	0.0		0.0	0.00	2765.90
	2/12/2015	8:38	2/12/2015 8:38		36	37.5	7	59	15.0		7.5	0.86	2766.76
	2/12/2015	10:12	2/12/2015 10:12		37	37	7	72	14.9		1406.2	160.87	2927.62
	2/12/2015	12:01	2/12/2015 12:01		37	37	7.5	75	16.0		1683.8	192.62	3120.25
	2/12/2015	14:24	2/12/2015 14:24		37	37	8	76	17.0		2356.8	269.62	3389.86
	2/12/2015	15:55	2/12/2015 15:55		37	37	8.5	75	18.1		1596.6	182.65	3572.51
	2/12/2015	16:50	2/12/2015 16:50		37	36.5	9	72	19.2		1025.5	117.31	3689.82
	2/12/2015	16:55	2/12/2015 16:55			31					96.0	10.99	3700.81
SW-140 Event 6	2/17/2015	8:08	2/17/2015 8:08		31	31	0	66	0.0				3700.81
	2/17/2015	8:28	2/17/2015 8:28		37	37.5	12	64	25.8		258.1	29.53	3730.34
	2/17/2015	10:13	2/17/2015 10:13		38	38	9	62	19.6		2383.3	272.65	4002.98
	2/17/2015	12:45	2/17/2015 12:45		38	37	11	61	24.0		3309.7	378.63	4381.61
	2/17/2015	14:35	2/17/2015 14:35		38	36.5	11	60	24.0		2637.2	301.69	4683.30

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/17/2015	17:15	2/17/2015 17:15		37	36	12	60	25.9		3992.0	456.68	5139.99
	2/17/2015	17:16	2/17/2015 17:16			28					25.9	2.96	5142.95
SW-140 Event 7	2/19/2015	8:12	2/19/2015 8:12		30	31	5	44	10.2				5142.95
	2/19/2015	8:40	2/19/2015 8:40		30	31	6	56	12.1		311.8	35.67	5178.62
	2/19/2015	8:41	2/19/2015 8:41		37	37	12	56	26.0		19.0	2.18	5180.80
	2/19/2015	10:18	2/19/2015 10:18		37	37	11	62	23.7		2411.6	275.89	5456.69
	2/19/2015	12:25	2/19/2015 12:25		37	37	11	62	23.7		3010.7	344.42	5801.11
	2/19/2015	14:07	2/19/2015 14:07		38	37.5	11.5	63	25.0		2484.1	284.18	6085.29
	2/19/2015	16:10	2/19/2015 16:10		38	37	12	62	26.1		3143.6	359.63	6444.93
	2/19/2015	17:06	2/19/2015 17:06		38	36.5	12	57	26.2		1466.1	167.72	6612.65
	2/19/2015	17:07	2/19/2015 17:07			30					26.2	3.00	6615.65
SW-140 Event 8	2/24/2015	8:16	2/24/2015 8:16		33	32.5	0	58	0.0				6615.65
	2/24/2015	8:48	2/24/2015 8:48		32	30	6	59	12.3		197.1	22.54	6638.19
	2/24/2015	8:49	2/24/2015 8:49		40	36.5	14	59	31.1		21.7	2.49	6640.68
	2/24/2015	10:19	2/24/2015 10:19		40	35	14	60	31.1		2801.6	320.50	6961.18
	2/24/2015	13:38	2/24/2015 13:38		41	35	17.5	60	39.3		7001.3	800.95	7762.13
	2/24/2015	15:07	2/24/2015 15:07		41	35	18	61	40.3		3541.5	405.15	8167.28
	2/24/2015	16:07	2/24/2015 16:07		41	34	19	62	42.5		2485.9	284.39	8451.67
	2/24/2015	16:58	2/24/2015 16:58		42	34	19	62	42.9		2178.9	249.27	8700.94
	2/24/2015	16:59	2/24/2015 16:59			28					42.9	4.91	8705.85
Total CO ₂ Mass (lbs):												8705.85	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/25/2015	8:45	2/25/2015 8:45		46	33.5	22	58	51.7		47.0	5.38	8815.45
	2/25/2015	10:39	2/25/2015 10:39		44	33.5	19	61	43.7		5437.2	622.02	9437.47
	2/25/2015	10:40	2/25/2015 10:40		46	34	20	61	46.8		45.3	5.18	9442.65
	2/25/2015	11:36	2/25/2015 11:36		46	34	20	64	46.7		2618.1	299.51	9742.16
	2/25/2015	12:54	2/25/2015 12:54		50	34	21	62	50.7		3799.5	434.66	10176.82
	2/25/2015	14:18	2/25/2015 14:18		50	34	21	60	50.8		4266.7	488.11	10664.93
	2/25/2015	14:19	2/25/2015 14:19			29					50.8	5.82	10670.74
Total CO2 Mass (lbs):												10670.74	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/23/15	13:26	2/23/2015 13:26		38	34	18.5	70	39.9		3762.9	430.47	16031.46
	2/23/15	15:11	2/23/2015 15:11		39	35	18.5	70	40.3		4214.0	482.08	16513.54
	2/23/15	17:30	2/23/2015 17:30		40	35	18.5	69	40.7		5634.4	644.58	17158.12
	2/23/15	17:31	2/23/2015 17:31			29					40.7	4.66	17162.78
Total CO ₂ Mass (lbs):												17162.78	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/10/2015	16:57	2/10/2015 16:57			25					50.1	5.73	7052.98
SW-143 Event 6	2/13/2015	8:01	2/13/2015 8:01		30	30	0	40	0.0				7052.98
	2/13/2015	8:29	2/13/2015 8:29		30	28.5	3	54	6.1		84.7	9.69	7062.67
	2/13/2015	8:30	2/13/2015 8:30		38	35	10	54	21.9		14.0	1.60	7064.27
	2/13/2015	9:39	2/13/2015 9:39		38	34	12	60	26.2		1659.7	189.86	7254.14
	2/13/2015	10:50	2/13/2015 10:50		38	33	14	67	30.3		2005.1	229.39	7483.52
	2/13/2015	11:11	2/13/2015 11:11		38	33	14	68	30.3		636.3	72.79	7556.32
	2/13/2015	11:12	2/13/2015 11:12			24					30.3	3.46	7559.78
SW-143 Event 7	2/26/2015	8:15	2/26/2015 8:15		32	32	0	53	0.0				7559.78
	2/26/2015	8:50	2/26/2015 8:50		33	32	4	54	8.3		146.0	16.70	7576.48
	2/26/2015	8:51	2/26/2015 8:51		38	35	10	54	21.9		15.1	1.73	7578.21
	2/26/2015	9:45	2/26/2015 9:45		38	35	10.5	58	22.9		1211.8	138.63	7716.84
	2/26/2015	10:59	2/26/2015 10:59		38	35	12.5	67	27.1		1850.4	211.68	7928.53
	2/26/2015	12:12	2/26/2015 12:12		38	34	14	71	30.2		2090.1	239.11	8167.64
	2/26/2015	12:54	2/26/2015 12:54		38	34	14.5	72	31.2		1290.3	147.60	8315.24
	2/26/2015	12:55	2/26/2015 12:55			24					31.2	3.57	8318.82
Total CO ₂ Mass (lbs):												8318.82	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	2/3/2015	8:46	2/3/2015 8:46		36	36	10.5	56	22.5		11.3	1.29	4597.91
	2/3/2015	9:57	2/3/2015 9:57		37	35	11	64	23.7		1640.1	187.62	4785.54
	2/3/2015	11:39	2/3/2015 11:39		37	34	12	66	25.8		2520.3	288.32	5073.86
	2/3/2015	14:33	2/3/2015 14:33		37	33.5	13	65	27.9		4671.1	534.38	5608.24
	2/3/2015	15:56	2/3/2015 15:56		37	33.5	13.5	65	29.0		2363.0	270.33	5878.56
	2/3/2015	17:07	2/3/2015 17:07		37	32.5	14	60	30.2		2103.0	240.58	6119.14
	2/3/2015	17:08	2/3/2015 17:08			26					30.2	3.46	6122.60
SW-144 Event 7	2/5/2015	8:34	2/5/2015 8:34		30	29	0	56	0.0				6122.60
	2/5/2015	9:14	2/5/2015 9:14		28	28	5	58	9.8		196.3	22.46	6145.06
	2/5/2015	9:15	2/5/2015 9:15		38	35	12	58	26.2		18.0	2.06	6147.12
	2/5/2015	12:03	2/5/2015 12:03		39	34.5	13	64	28.5		4597.0	525.89	6673.02
	2/5/2015	14:05	2/5/2015 14:05		38	34	13	68	28.1		3454.3	395.18	7068.19
	2/5/2015	15:27	2/5/2015 15:27		38	34	13.5	70	29.1		2348.0	268.61	7336.81
	2/5/2015	16:16	2/5/2015 16:16		38	34	13.5	70	29.1		1428.2	163.38	7500.19
	2/5/2015	17:04	2/5/2015 17:04		39	34	14	66	30.6		1434.8	164.14	7664.33
	2/5/2015	17:05	2/5/2015 17:05			27					30.6	3.50	7667.84
SW-144 Event 8	2/27/2015	7:53	2/27/2015 7:53		34	34	8	52	16.9				7667.84
	2/27/2015	8:18	2/27/2015 8:18		33	30	11	56	22.9		497.3	56.89	7724.73
	2/27/2015	8:19	2/27/2015 8:19		37	33	14	56	30.4		26.6	3.05	7727.78
	2/27/2015	9:41	2/27/2015 9:41		36	34	16	60	34.2		2647.1	302.83	8030.61
	2/27/2015	11:04	2/27/2015 11:04		36	34	16	60	34.2		2839.4	324.82	8355.43
	2/27/2015	11:05	2/27/2015 11:05			24					34.2	3.91	8359.34
Total CO ₂ Mass (lbs):												8359.34	

Sparge Event	Date	Time	Date + Time		P at Panel (psig)	P at Well (psi)	Rotameter Reading (scfm)	Temp (°F)	Flow (scfm)		Volume of CO ₂ (scf)	Mass of CO ₂ (lb)	Cumulative Mass (lb)
	12-Feb	8:39	2/12/2015 8:39		29	27	4	59	7.9		142.9	16.35	2581.42
	12-Feb	8:40	2/12/2015 8:40		37	35	10.5	59	22.7		15.3	1.75	2583.17
	12-Feb	10:16	2/12/2015 10:16		38	34	12	72	25.9		2330.6	266.62	2849.79
	12-Feb	12:01	2/12/2015 12:01		38	34	12.5	75	26.9		2767.4	316.59	3166.39
	12-Feb	14:22	2/12/2015 14:22		38	33.5	13	76	27.9		3860.5	441.64	3608.03
	12-Feb	15:53	2/12/2015 15:53		38	33	13.5	75	29.0		2589.3	296.21	3904.24
	12-Feb	16:46	2/12/2015 16:46		37	33	14	72	29.9		1560.3	178.50	4082.74
	12-Feb	16:48	2/12/2015 16:48			27.5					59.7	6.84	4089.57
SW-145 Event 7	2/16/2015	12:55	2/16/2015 12:55		31	30	0	78	0.0				4089.57
	2/16/2015	13:07	2/16/2015 13:07		38	34	12	74	25.8		154.8	17.71	4107.29
	2/16/2015	14:04	2/16/2015 14:04		38	34	12	68	26.0		1475.3	168.78	4276.06
	2/16/2015	17:00	2/16/2015 17:00		38	34	11	66	23.8		4382.6	501.37	4777.43
	2/16/2015	17:01	2/16/2015 17:01			29.5					23.8	2.73	4780.16
SW-145 Event 8	2/17/2015	8:09	2/17/2015 8:09		32	30	13	66	26.5				4780.16
	2/17/2015	8:27	2/17/2015 8:27		38	32	18	64	39.1		590.3	67.53	4847.70
	2/17/2015	10:14	2/17/2015 10:14		39	32.5	16	62	35.2		3972.3	454.43	5302.12
	2/17/2015	10:15	2/17/2015 10:15		43	35.5	22	62	50.1		42.6	4.88	5307.00
	2/17/2015	12:46	2/17/2015 12:46		43	35	19.5	61	44.5		7144.3	817.31	6124.31
	2/17/2015	14:36	2/17/2015 14:36		43	35	20	60	45.7		4958.8	567.29	6691.60
	2/17/2015	17:16	2/17/2015 17:16		46	35	22	60	51.6		7778.5	889.86	7581.46
	2/17/2015	17:17	2/17/2015 17:17			31					51.6	5.90	7587.36
SW-145 Event 9	2/19/2015	8:14	2/19/2015 8:14		36	27	19	44	41.3				7587.36
	2/19/2015	8:15	2/19/2015 8:15		40	29	22	44	49.7		45.5	5.20	7592.56
	2/19/2015	8:41	2/19/2015 8:41		38	30.5	20	56	43.8		1215.4	139.04	7731.60
	2/19/2015	8:42	2/19/2015 8:42		40	31.5	21	56	46.9		45.3	5.19	7736.78
	2/19/2015	10:19	2/19/2015 10:19		38	31	19	62	41.3		4278.0	489.41	8226.19
	2/19/2015	12:26	2/19/2015 12:26		40	32	20	62	44.4		5442.3	622.60	8848.79
	2/19/2015	14:05	2/19/2015 14:05		46	34	23	63	53.7		4855.7	555.49	9404.29
	2/19/2015	16:09	2/19/2015 16:09		46	34	23	62	53.8		6666.8	762.69	10166.97
	2/19/2015	17:08	2/19/2015 17:08		46	34	24	57	56.4		3251.2	371.93	10538.91
	2/19/2015	17:09	2/19/2015 17:09			30					56.4	6.45	10545.36
Total CO2 Mass (lbs):												10545.36	

Appendix G:

Air Quality Data

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
22-Oct-14	96		Start	8:27					
		N	N	13:20	0.000				
			S	13:21	0.000				
			E	13:22	0.000				
			W	13:23	0.000				
			Well Head	13:24	0.000				
			Finish	14:32					
22-Oct-14	115		Start	8:49					
		N	N	15:30	0.000				
			S	15:31	0.000				
			E	15:32	0.000				
			W	15:33	0.000				
			Well Head	15:34	0.000				
			Finish	18:01					
22-Oct-14	71		Start	13:50					
		N	N	16:46					
			S	16:47					
			E	16:48					
			W	16:49					
			Well Head	16:50	0.000				
			Finish	17:44					
24-Oct-14	104		Start	8:15					
		W	N	13:45	0.004				Background
			S	13:46	0.004				Hg 0.004 ppm
			E	13:47	0.004				
			W	13:48	0.004				0.004 ppm inside
			Well Head	13:49	0.004				vault
			Finish	13:50					
24-Oct-14	116		Start	8:28					
		E	N	13:59	0.000				
			S	14:00	0.000				
			E	14:01	0.003				
			W	14:02	0.003				
			Well Head	14:02	0.003				
			Finish	14:04					
4-Nov-14	77		Start	8:06					
		W	N	12:55	0.000	20.9	490		
			S	12:55	0.000	20.9	490		
			E	12:55	0.000	20.9	510		
			W	12:55	0.000	20.9	490		
			Well Head	12:55	0.000	20.9	880		
			Finish	16:56					
4-Nov-14	69		Start	12:32					
		W	N	13:10	0.000	20.9	490		
			S	13:10	0.000	20.9	480		
			E	13:10	0.000	20.9	530		
			W	13:10	0.000	20.9	480		
			Well Head	13:10	0.000	20.9	600		
			Finish	16:59					
4-Nov-14	97		Start	8:32					
		W	N	16:00	0.000	20.9	560		
			S	16:00	0.000	20.9	580		
			E	16:00	0.000	20.9	550		
			W	16:00	0.000	20.9	580		
			Well Head	16:00	0.000	20.9	1270		
			Finish	16:45					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
4-Nov-14	106		Start	12:39					
		W	N	16:15	0.000	20.9	530		
			S	16:15	0.000	20.9	580		
			E	16:15	0.000	20.9	530		
			W	16:15	0.000	20.9	600		
			Well Head	16:15	0.000	20.9	1180		
			Finish	16:51					
5-Nov-14	89		Start	8:28					
		W	N	9:45	0.000	20.9	430		
			S	9:45	0.000	20.9	480		
			E	9:45	0.000	20.9	410		
			W	9:45	0.000	20.9	510		
			Well Head	9:45	0.000	20.9	450		
			Finish	13:20					
5-Nov-14	98		Start	8:35					
		W	N	9:56	0.000	20.9	410		
			S	9:56	0.000	20.9	440		
			E	9:56	0.000	20.9	440		
			W	9:56	0.000	20.9	460		
			Well Head	9:56	0.000	20.9	940		
			Finish	13:36					
5-Nov-14	75		Start	7:39					
		W	N	16:00	0.000	20.9	480		
			S	16:00	0.000	20.9	480		
			E	16:00	0.000	20.9	490		
			W	16:00	0.000	20.9	500		
			Well Head	16:00	0.000	20.9	880		
			Finish	16:30					
5-Nov-14	67		Start	13:12					
		W	N	16:15	0.000	20.9	410		
			S	16:15	0.000	20.9	440		
			E	16:15	0.000	20.9	420		
			W	16:15	0.000	20.9	440		
			Well Head	16:15	0.000	20.9	620		
			Finish	17:30					
6-Nov-14	117		Start	7:55					
		W	N	10:05	0.000	20.9	440		
			S	10:05	0.000	20.9	460		
			E	10:05	0.000	20.9	400		
			W	10:05	0.000	20.9	490		
			Well Head	10:05	0.000	20.9	510		
			Finish	17:18					
6-Nov-14	119		Start	7:50					
		W	N	10:20	0.000	20.9	430		
			S	10:20	0.000	20.9	420		
			E	10:20	0.000	20.9	440		
			W	10:20	0.000	20.9	410		
			Well Head	10:20	0.000	20.9	580		
			Finish	13:08					
6-Nov-14	110		Start	8:10					
		W	N	13:10	0.000	20.9	450		
			S	13:10	0.000	20.9	450		
			E	13:10	0.000	20.9	440		
			W	13:10	0.000	20.9	410		
			Well Head	13:10	0.000	20.9	460		
			Finish	17:07					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
7-Nov-14	75		Start	7:40					
		S	N	8:30	0.000	20.9	410		
			S	8:30	0.000	20.9	420		
			E	8:30	0.000	20.9	410		
			W	8:30	0.000	20.9	410		
			Well Head	8:30	0.000	20.9	430		
			Finish	11:50					
7-Nov-14	77		Start	7:37					
		S	N	8:45	0.000	20.9	410		
			S	8:45	0.000	20.9	410		
			E	8:45	0.000	20.9	400		
			W	8:45	0.000	20.9	400		
			Well Head	8:45	0.000	20.9	410		
			Finish	16:06					
7-Nov-14	109		Start	7:51					
		S	N	13:30	0.000	20.9	430		
			S	13:30	0.000	20.9	440		
			E	13:30	0.000	20.9	440		
			W	13:30	0.000	20.9	440		
			Well Head	13:30	0.000	20.9	480		
			Finish	16:11					
7-Nov-14	91		Start	7:49					
		S	N	13:45	0.000	20.9	460		
			S	13:45	0.000	20.9	440		
			E	13:45	0.000	20.9	440		
			W	13:45	0.000	20.9	450		
			Well Head	13:45	0.000	20.9	510		
			Finish	16:09					
10-Nov-14	106		Start	8:24					
		S	N	16:00	0.000	20.9	510		
			S	16:00	0.000	20.9	550		
			E	16:00	0.000	20.9	510		
			W	16:00	0.000	20.9	530		
			Well Head	16:00	0.000	20.9	540		
			Finish	16:56					
10-Nov-14	90		Start	8:20					
		S	N	16:20	0.000	20.9	440		
			S	16:20	0.000	20.9	450		
			E	16:20	0.000	20.9	430		
			W	16:20	0.000	20.9	460		
			Well Head	16:20	0.000	20.9	480		
			Finish	16:54					
11-Nov-14	115		Start	7:54					
		S	N	9:30	0.000	20.9	480		
			S	9:30	0.000	20.9	510		
			E	9:30	0.000	20.9	500		
			W	9:30	0.000	20.9	490		
			Well Head	9:30	0.000	20.9	560		
			Finish	14:48					
11-Nov-14	101		Start	8:37					
		S	N	9:45	0.000	20.9	440		
			S	9:45	0.000	20.9	470		
			E	9:45	0.000	20.9	430		
			W	9:45	0.000	20.9	430		
			Well Head	9:45	0.000	20.9	490		
			Finish	14:41					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
11-Nov-14	109		Start	8:02					
		S	N	14:00	0.000	20.9	430		
			S	14:00	0.000	20.9	430		
			E	14:00	0.000	20.9	430		
			W	14:00	0.000	20.9	400		
			Well Head	14:00	0.000	20.9	460		
			Finish	17:14					
11-Nov-14	91		Start	8:00					
		S	N	14:15	0.000	20.9	430		
			S	14:15	0.000	20.9	480		
			E	14:15	0.000	20.9	440		
			W	14:15	0.000	20.9	460		
			Well Head	14:15	0.000	20.9	520		
			Finish	17:12					
12-Nov-14	119		Start	7:25					
		E	N	9:00	0.000	20.9	410		
			S	9:00	0.000	20.9	410		
			E	9:00	0.000	20.9	440		
			W	9:00	0.000	20.9	430		
			Well Head	9:00	0.000	20.9	530		
		E	N	11:00	0.000	20.9	440		
			S	11:00	0.000	20.9	440		
			E	11:00	0.000	20.9	460		
			W	11:00	0.000	20.9	460		
			Well Head	11:00	0.000	20.9	480		
			Finish	13:40					
12-Nov-14	100		Start	7:42					
		E	N	9:15	0.000	20.9	400		
			S	9:15	0.000	20.9	410		
			E	9:15	0.000	20.9	410		
			W	9:15	0.000	20.9	400		
			Well Head	9:15	0.000	20.9	490		
		E	N	11:15	0.000	20.9	430		
			S	11:15	0.000	20.9	440		
			E	11:15	0.000	20.9	450		
			W	11:15	0.000	20.9	440		
			Well Head	11:15	0.000	20.9	460		
			Finish	17:11					
12-Nov-14	111		Start	7:25					
		E	N	9:30	0.000	20.9	410		
			S	9:30	0.000	20.9	430		
			E	9:30	0.000	20.9	430		
			W	9:30	0.000	20.9	420		
			Well Head	9:30	0.000	20.9	500		
		E	N	11:30	0.000	20.9	450		
			S	11:30	0.000	20.9	460		
			E	11:30	0.000	20.9	450		
			W	11:30	0.000	20.9	440		
			Well Head	11:30	0.000	20.9	480		
			Finish	17:03					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
13-Nov-14	80		Start	7:24					
		S	N	13:00	0.000	20.9	460		
			S	13:00	0.000	20.9	480		
			E	13:00	0.000	20.9	480		
			W	13:00	0.000	20.9	490		
			Well Head	13:00	0.000	20.9	530		
		S	N	14:30	0.000	20.9	490		
			S	14:30	0.000	20.9	470		
			E	14:30	0.000	20.9	490		
			W	14:30	0.000	20.9	460		
			Well Head	14:30	0.000	20.9	550		
			Finish	14:15					
13-Nov-14	87		Start	7:20					
		S	N	13:15	0.000	20.9	510		
			S	13:15	0.000	20.9	550		
			E	13:15	0.000	20.9	510		
			W	13:15	0.000	20.9	530		
			Well Head	13:15	0.000	20.9	540		
		S	N	14:45	0.000	20.9	460		
			S	14:45	0.000	20.9	450		
			E	14:45	0.000	20.9	450		
			W	14:45	0.000	20.9	420		
			Well Head	14:45	0.000	20.9	500		
			Finish	17:25					
13-Nov-14	68		Start	7:36					
		S	N	13:30	0.000	20.9	440		
			S	13:30	0.000	20.9	450		
			E	13:30	0.000	20.9	430		
			W	13:30	0.000	20.9	460		
			Well Head	13:30	0.000	20.9	480		
		S	N	15:00	0.000	20.9	460		
			S	15:00	0.000	20.9	470		
			E	15:00	0.000	20.9	430		
			W	15:00	0.000	20.9	450		
			Well Head	15:00	0.000	20.9	500		
			Finish	17:24					
14-Nov-14	80		Start	7:24					
		E	N	8:30	0.000	20.9	380		Cold front moved in and the air was dry; Mixed with the winds for a dusty day on-site.
			S	8:30	0.000	20.9	380		
			E	8:30	0.000	20.9	370		
			W	8:30	0.000	20.9	380		
			Well Head	8:30	0.000	20.9	440		
		E	N	10:30	0.000	20.9	360		
			S	10:30	0.000	20.9	360		
			E	10:30	0.000	20.9	350		
			W	10:30	0.000	20.9	340		
			Well Head	10:30	0.000	20.9	420		
			Finish	12:27					
14-Nov-14	99		Start	7:26					
		E	N	8:45	0.000	20.9	480		
			S	8:45	0.000	20.9	460		
			E	8:45	0.000	20.9	490		
			W	8:45	0.000	20.9	430		
			Well Head	8:45	0.000	20.9	560		
		E	N	10:45	0.000	20.9	480		
			S	10:45	0.000	20.9	470		
			E	10:45	0.000	20.9	480		
			W	10:45	0.000	20.9	450		
			Well Head	10:45	0.000	20.9	570		
			Finish	12:30					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
14-Nov-14	67		Start	7:34					
		E	N	9:00	0.000	20.9	330		
			S	9:00	0.000	20.9	350		
			E	9:00	0.000	20.9	350		
			W	9:00	0.000	20.9	340		
			Well Head	9:00	0.000	20.9	350		
		E	N	11:00	0.000	20.9	350		
			S	11:00	0.000	20.9	340		
			E	11:00	0.000	20.9	360		
			W	11:00	0.000	20.9	350		
			Well Head	11:00	0.000	20.9	350		
			Finish	16:47					
18-Nov-14	85		Start	7:46					
		E	N	9:32	0.000	20.9	340		
			S	9:32	0.000	20.9	340		
			E	9:32	0.000	20.9	350		
			W	9:32	0.000	20.9	350		
			Well Head	9:32	0.000	20.9	340		
			Finish	16:52					
18-Nov-14	76		Start	7:48					
		E	N	9:32	0.000	20.9	350		
			S	9:32	0.000	20.9	340		
			E	9:32	0.000	20.9	340		
			W	9:32	0.000	20.9	340		
			Well Head	9:32	0.000	20.9	340		
			Finish	12:02					
18-Nov-14	89		Start	7:27					
		E	N	10:48	0.000	20.9	360		
			S	10:48	0.000	20.9	360		
			E	10:48	0.000	20.9	350		
			W	10:48	0.000	20.9	360		
			Well Head	10:48	0.000	20.9	340		
			Finish	11:48					
18-Nov-14	106		Start	7:30					
		S	N	10:48	0.000	20.9	350		
			S	10:48	0.000	20.9	350		
			E	10:48	0.000	20.9	360		
			W	10:48	0.000	20.9	340		
			Well Head	10:48	0.000	20.9	360		
			Finish	11:46					
18-Nov-14	74		Start	12:14					
		E	N	12:17	0.000	20.9	370		
			S	12:17	0.000	20.9	370		
			E	12:17	0.000	20.9	370		
			W	12:17	0.000	20.9	370		
			Well Head	12:17	0.000	20.9	370		
			Finish	17:09					
18-Nov-14	69		Start	12:05					
		E	N	14:09	0.000	20.9	350		
			S	14:09	0.000	20.9	350		
			E	14:09	0.000	20.9	350		
			W	14:09	0.000	20.9	350		
			Well Head	14:09	0.000	20.9	350		
			Finish	16:53					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
19-Nov-14	84		Start	8:20					
		SE	N	9:20	0.000	20.9	350		
			S	9:20	0.000	20.9	350		
			E	9:20	0.000	20.9	350		
			W	9:20	0.000	20.9	350		
			Well Head	9:20	0.000	20.9	360		
			Finish	16:54					
19-Nov-14	75		Start	7:31					
		SE	N	9:20	0.000	20.9	350		
			S	9:20	0.000	20.9	360		
			E	9:20	0.000	20.9	360		
			W	9:20	0.000	20.9	360		
			Well Head	9:20	0.000	20.9	360		
			Finish	12:13					
19-Nov-14	94		Start	7:17					
		SE	N	9:30	0.000	20.9	360		
			S	9:30	0.000	20.9	360		
			E	9:30	0.000	20.9	360		
			W	9:30	0.000	20.9	340		
			Well Head	9:30	0.000	20.9	340		
			Finish	12:19					
19-Nov-14	112		Start	7:20					
		SE	N	9:30	0.000	20.9	340		
			S	9:30	0.000	20.9	340		
			E	9:30	0.000	20.9	340		
			W	9:30	0.000	20.9	340		
			Well Head	9:30	0.000	20.9	350		
			Finish	12:15					
19-Nov-14	72		Start	7:24					
		SE	N	10:42	0.000	20.9	360		
			S	10:42	0.000	20.9	360		
			E	10:42	0.000	20.9	360		
			W	10:42	0.000	20.9	360		
			Well Head	10:42	0.000	20.9	360		
			Finish	12:01					
19-Nov-14	114		Start	12:12					
		SE	N	14:14	0.000	20.9	340		
			S	14:14	0.000	20.9	340		
			E	14:14	0.000	20.9	350		
			W	14:14	0.000	20.9	350		
			Well Head	14:14	0.000	20.9	340		
			Finish	15:04					
20-Nov-14	92		Start	7:35					
		E	N	9:20	0.000	20.9	340		
			S	9:20	0.000	20.9	340		
			E	9:20	0.000	20.9	340		
			W	9:20	0.000	20.9	340		
			Well Head	9:20	0.000	20.9	340		
			Finish	12:03					
20-Nov-14	108		Start	7:37					
		E	N	9:20	0.000	20.9	360		
			S	9:20	0.000	20.9	360		
			E	9:20	0.000	20.9	360		
			W	9:20	0.000	20.9	360		
			Well Head	9:20	0.000	20.9	360		
			Finish	16:59					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments	
21-Nov-14	70		Start	7:42						
		E	N	8:30	0.000	20.9	480			
			S	8:30	0.000	20.9	460			
			E	8:30	0.000	20.9	480			
			W	8:30	0.000	20.9	480			
			Well Head	8:30	0.000	20.9	510			
		E	N	10:30	0.000	20.9	490			
			S	10:30	0.000	20.9	490			
			E	10:30	0.000	20.9	460			
			W	10:30	0.000	20.9	490			
			Well Head	10:30	0.000	20.9	500			
			Finish	12:30						
21-Nov-14	119		Start	8:24						
		E	N	8:45	0.000	20.9	520			
			S	8:45	0.000	20.9	530			
			E	8:45	0.000	20.9	520			
			W	8:45	0.000	20.9	540			
			Well Head	8:45	0.000	20.9	560			
		E	N	14:45	0.000	20.9	540			
			S	14:45	0.000	20.9	540			
			E	14:45	0.000	20.9	540			
			W	14:45	0.000	20.9	560			
			Well Head	14:45	0.000	20.9	590			
			Finish	16:56						
21-Nov-14	81		Start	12:41						
		E	N	14:55	0.000	20.9	480			
			S	14:55	0.000	20.9	480			
			E	14:55	0.000	20.9	460			
			W	14:55	0.000	20.9	460			
			Well Head	14:55	0.000	20.9	480			
		E	N	15:55	0.000	20.9	460			
			S	15:55	0.000	20.9	460			
			E	15:55	0.000	20.9	460			
			W	15:55	0.000	20.9	480			
			Well Head	15:55	0.000	20.9	480			
			Finish	16:52						
23-Nov-14			Air monitoring was not conducted due to heavy rain at the site.							
24-Nov-14	119		Start	7:23						
		W	N	9:00	0.000	20.9	530			
			S	9:00	0.000	20.9	540			
			E	9:00	0.000	20.9	530			
			W	9:00	0.000	20.9	540			
			Well Head	9:00	0.000	20.9	580			
		W	N	10:00	0.000	20.9	550			
			S	10:00	0.000	20.9	550			
			E	10:00	0.000	20.9	550			
			W	10:00	0.000	20.9	560			
			Well Head	10:00	0.000	20.9	580			
			Finish	12:34						
24-Nov-14	99		Start	7:30						
		W	N	9:15	0.000	20.9	490			
			S	9:15	0.000	20.9	460			
			E	9:15	0.000	20.9	460			
			W	9:15	0.000	20.9	450			
			Well Head	9:15	0.000	20.9	530			
		W	N	10:15	0.000	20.9	500			
			S	10:15	0.000	20.9	510			
			E	10:15	0.000	20.9	480			
			W	10:15	0.000	20.9	490			
			Well Head	10:15	0.000	20.9	570			
			Finish	12:05						

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
24-Nov-14	75		Start	7:28					
		W	N	9:30	0.000	20.9	410		
			S	9:30	0.000	20.9	420		
			E	9:30	0.000	20.9	410		
			W	9:30	0.000	20.9	410		
			Well Head	9:30	0.000	20.9	440		
		W	N	10:30	0.000	20.9	430		
			S	10:30	0.000	20.9	420		
			E	10:30	0.000	20.9	420		
			W	10:30	0.000	20.9	420		
			Well Head	10:30	0.000	20.9	440		
			Finish	12:44					
25-Nov-14	Air monitoring was not conducted due to heavy rain at the site.								
1-Dec-14	106		Start	8:25					
		W	N	9:30	0.000	20.9	510		
			S	9:30	0.000	20.9	550		
			E	9:30	0.000	20.9	510		
			W	9:30	0.000	20.9	530		
			Well Head	9:30	0.000	20.9	540		
		W	N	14:30	0.000	20.9	510		
			S	14:30	0.000	20.9	550		
			E	14:30	0.000	20.9	510		
			W	14:30	0.000	20.9	530		
			Well Head	14:30	0.000	20.9	540		
			Finish	17:11					
1-Dec-14	88		Start	8:19					
		W	N	9:45	0.000	20.9	490		
			S	9:45	0.000	20.9	470		
			E	9:45	0.000	20.9	490		
			W	9:45	0.000	20.9	460		
			Well Head	9:45	0.000	20.9	550		
		W	N	14:45	0.000	20.9	490		
			S	14:45	0.000	20.9	470		
			E	14:45	0.000	20.9	490		
			W	14:45	0.000	20.9	460		
			Well Head	14:45	0.000	20.9	550		
			Finish	17:11					
1-Dec-14	93		Start	7:48					
		W	N	10:00	0.000	20.9	440		
			S	10:00	0.000	20.9	440		
			E	10:00	0.000	20.9	460		
			W	10:00	0.000	20.9	430		
			Well Head	10:00	0.003	20.9	510		
		W	N	15:00	0.000	20.9	440		
			S	15:00	0.000	20.9	440		
			E	15:00	0.000	20.9	460		
			W	15:00	0.000	20.9	430		
			Well Head	15:00	0.003	20.9	510		
			Finish	17:03					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
5-Dec-14	73		Start	8:12					
		S	N	9:30	0.000	20.9	580	0.0	
			S	9:30	0.000	20.9	580	0.0	
			E	9:30	0.000	20.9	580	0.0	
			W	9:30	0.000	20.9	580	0.0	
			Well Head	9:30	0.000	20.9	600	0.0	
		S	N	11:30	0.000	20.9	580	0.0	
			S	11:30	0.000	20.9	600	0.0	
			E	11:30	0.000	20.9	580	0.0	
			W	11:30	0.000	20.9	580	0.0	
			Well Head	11:30	0.000	20.9	610	0.0	
			Finish	12:13					
5-Dec-14	117		Start	7:58					
		S	N	9:45	0.000	20.9	560	0.0	
			S	9:45	0.000	20.9	600	0.0	
			E	9:45	0.000	20.9	600	0.0	
			W	9:45	0.000	20.9	560	0.0	
			Well Head	9:45	0.000	20.9	600	0.0	
		S	N	11:45	0.000	20.9	560	0.0	
			S	11:45	0.000	20.9	560	0.0	
			E	11:45	0.000	20.9	560	0.0	
			W	11:45	0.000	20.9	580	0.0	
			Well Head	11:45	0.000	20.9	600	0.0	
			Finish	14:48					
5-Dec-14	132		Start	12:13					
		S	N	13:30	0.000	20.9	560	0.0	
			S	13:30	0.000	20.9	560	0.0	
			E	13:30	0.000	20.9	560	0.0	
			W	13:30	0.000	20.9	540	0.0	
			Well Head	13:30	0.000	20.9	580	0.0	
		S	N	15:30	0.000	20.9	560	0.0	
			S	15:30	0.000	20.9	560	0.0	
			E	15:30	0.000	20.9	560	0.0	
			W	15:30	0.000	20.9	560	0.0	
			Well Head	15:30	0.000	20.9	580	0.0	
			Finish	16:53					
8-Dec-14	18		Start	7:42					
		W	N	11:00	0.000	20.9	580	0.0	
			S	11:00	0.000	20.9	580	0.0	
			E	11:00	0.000	20.9	580	0.0	
			W	11:00	0.000	20.9	580	0.0	
			Well Head	11:00	0.000	20.9	600	0.0	
		W	N	14:15	0.000	20.9	560	0.0	
			S	14:15	0.000	20.9	580	0.0	
			E	14:15	0.000	20.9	580	0.0	
			W	14:15	0.000	20.9	560	0.0	
			Well Head	14:15	0.000	20.9	600	0.0	
			Finish	16:34					
8-Dec-14	76		Start	12:38					
		W	N	14:00	0.000	20.9	580	0.0	
			S	14:00	0.000	20.9	560	0.0	
			E	14:00	0.000	20.9	560	0.0	
			W	14:00	0.000	20.9	560	0.0	
			Well Head	14:00	0.000	20.9	610	0.0	
		W	N	16:00	0.000	20.9	580	0.0	
			S	16:00	0.000	20.9	580	0.0	
			E	16:00	0.000	20.9	580	0.0	
			W	16:00	0.000	20.9	580	0.0	
			Well Head	16:00	0.000	20.9	610	0.0	
			Finish	17:06					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
8-Dec-14	79		Start	7:52					
		W	N	9:00	0.000	20.9	580	0.0	
			S	9:00	0.000	20.9	580	0.0	
			E	9:00	0.000	20.9	580	0.0	
			W	9:00	0.000	20.9	580	0.0	
			Well Head	9:00	0.000	20.9	600	0.0	
		W	N	11:00	0.000	20.9	580	0.0	
			S	11:00	0.000	20.9	580	0.0	
			E	11:00	0.000	20.9	580	0.0	
			W	11:00	0.000	20.9	580	0.0	
			Well Head	11:00	0.000	20.9	600	0.0	
			Finish	12:25					
9-Dec-14	77		Start	7:43					
		S	N	9:00	0.000	20.9	560	0.0	
			S	9:00	0.000	20.9	560	0.0	
			E	9:00	0.000	20.9	560	0.0	
			W	9:00	0.000	20.9	560	0.0	
			Well Head	9:00	0.000	20.9	630	0.0	
		S	N	13:30	0.000	20.9	560	0.0	
			S	13:30	0.000	20.9	580	0.0	
			E	13:30	0.000	20.9	560	0.0	
			W	13:30	0.000	20.9	580	0.0	
			Well Head	13:30	0.000	20.9	610	0.0	
			Finish	17:15					
9-Dec-14	120		Start	8:25	on 12/8/14				
		S	N	9:15	0.000	20.9	600	0.0	
			S	9:15	0.000	20.9	610	0.0	
			E	9:15	0.000	20.9	600	0.0	
			W	9:15	0.000	20.9	600	0.0	
			Well Head	9:15	0.000	20.9	630	0.0	
		S	N	13:45	0.000	20.9	600	0.0	
			S	13:45	0.000	20.9	600	0.0	
			E	13:45	0.000	20.9	580	0.0	
			W	13:45	0.000	20.9	600	0.0	
			Well Head	13:45	0.000	20.9	630	0.0	
			Finish	11:23	on 12/12/14				
9-Dec-14	121		Start	8:37	on 12/8/14				
		S	N	9:30	0.000	20.9	600	0.0	
			S	9:30	0.000	20.9	600	0.0	
			E	9:30	0.000	20.9	600	0.0	
			W	9:30	0.000	20.9	600	0.0	
			Well Head	9:30	0.000	20.9	610	0.0	
		S	N	14:00	0.000	20.9	580	0.0	
			S	14:00	0.000	20.9	600	0.0	
			E	14:00	0.000	20.9	600	0.0	
			W	14:00	0.000	20.9	600	0.0	
			Well Head	14:00	0.000	20.9	600	0.0	
			Finish	11:20	on 12/12/14				
10-Dec-14	75		Start	7:55					
		W	N	9:00	0.000	20.9	600	0.0	
			S	9:00	0.000	20.9	610	0.0	
			E	9:00	0.000	20.9	600	0.0	
			W	9:00	0.000	20.9	610	0.0	
			Well Head	9:00	0.000	20.9	630	0.0	
		W	N	11:00	0.000	20.9	600	0.0	
			S	11:00	0.000	20.9	600	0.0	
			E	11:00	0.000	20.9	580	0.0	
			W	11:00	0.000	20.9	600	0.0	
			Well Head	11:00	0.000	20.9	610	0.0	
			Finish	12:32					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
10-Dec-14	77		Start	7:50					
		W	N	9:15	0.000	20.9	600	0.0	
			S	9:15	0.000	20.9	600	0.0	
			E	9:15	0.000	20.9	580	0.0	
			W	9:15	0.000	20.9	600	0.0	
			Well Head	9:15	0.000	20.9	600	0.0	
		W	N	13:45	0.000	20.9	600	0.0	
			S	13:45	0.000	20.9	600	0.0	
			E	13:45	0.000	20.9	600	0.0	
			W	13:45	0.000	20.9	610	0.0	
			Well Head	13:45	0.000	20.9	610	0.0	
			Finish	16:56					
10-Dec-14	85		Start	12:38					
		W	N	13:30	0.000	20.9	600	0.0	
			S	13:30	0.000	20.9	600	0.0	
			E	13:30	0.000	20.9	580	0.0	
			W	13:30	0.000	20.9	600	0.0	
			Well Head	13:30	0.000	20.9	610	0.0	
		W	N	16:00	0.000	20.9	600	0.0	
			S	16:00	0.000	20.9	600	0.0	
			E	16:00	0.000	20.9	600	0.0	
			W	16:00	0.000	20.9	610	0.0	
			Well Head	16:00	0.000	20.9	610	0.0	
			Finish	16:55					
11-Dec-14	77		Start	7:57					
		S	N	9:00	0.000	20.9	600	0.0	
			S	9:00	0.000	20.9	600	0.0	
			E	9:00	0.000	20.9	600	0.0	
			W	9:00	0.000	20.9	600	0.0	
			Well Head	9:00	0.000	20.9	600	0.0	
		S	N	10:30	0.000	20.9	610	0.0	
			S	10:30	0.000	20.9	600	0.0	
			E	10:30	0.000	20.9	600	0.0	
			W	10:30	0.000	20.9	610	0.0	
			Well Head	10:30	0.000	20.9	610	0.0	
			Finish	12:50					
11-Dec-14	79		Start	8:04					
		S	N	9:15	0.000	20.9	580	0.0	
			S	9:15	0.000	20.9	600	0.0	
			E	9:15	0.000	20.9	580	0.0	
			W	9:15	0.000	20.9	560	0.0	
			Well Head	9:15	0.000	20.9	610	0.0	
		S	N	10:45	0.000	20.9	580	0.0	
			S	10:45	0.000	20.9	580	0.0	
			E	10:45	0.000	20.9	580	0.0	
			W	10:45	0.000	20.9	580	0.0	
			Well Head	10:45	0.000	20.9	600	0.0	
			Finish	13:05					
11-Dec-14	85		Start	12:33					
		S	N	13:30	0.000	20.9	600	0.0	
			S	13:30	0.000	20.9	600	0.0	
			E	13:30	0.000	20.9	600	0.0	
			W	13:30	0.000	20.9	580	0.0	
			Well Head	13:30	0.000	20.9	630	0.0	
		S	N	15:30	0.000	20.9	600	0.0	
			S	15:30	0.000	20.9	610	0.0	
			E	15:30	0.000	20.9	600	0.0	
			W	15:30	0.000	20.9	600	0.0	
			Well Head	15:30	0.000	20.9	610	0.0	
			Finish	17:08					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
12-Dec-14	82		Start	7:31					
		E	N	9:30	0.000	20.9	600	0.0	
			S	9:30	0.000	20.9	600	0.0	
			E	9:30	0.000	20.9	580	0.0	
			W	9:30	0.000	20.9	580	0.0	
			Well Head	9:30	0.000	20.9	580	0.0	
		E	N	10:30	0.000	20.9	580	0.0	
			S	10:30	0.000	20.9	560	0.0	
			E	10:30	0.000	20.9	580	0.0	
			W	10:30	0.000	20.9	580	0.0	
			Well Head	10:30	0.000	20.9	600	0.0	
			Finish	11:28					
12-Dec-14	85		Start	7:30					
		E	N	9:15	0.000	20.9	580	0.0	
			S	9:15	0.000	20.9	580	0.0	
			E	9:15	0.000	20.9	580	0.0	
			W	9:15	0.000	20.9	580	0.0	
			Well Head	9:15	0.000	20.9	610	0.0	
		E	N	10:15	0.000	20.9	580	0.0	
			S	10:15	0.000	20.9	560	0.0	
			E	10:15	0.000	20.9	580	0.0	
			W	10:15	0.000	20.9	580	0.0	
			Well Head	10:15	0.000	20.9	600	0.0	
			Finish	11:27					
12-Dec-14	98		Start	7:35					
		E	N	9:00	0.000	20.9	560	0.0	
			S	9:00	0.000	20.9	560	0.0	
			E	9:00	0.000	20.9	560	0.0	
			W	9:00	0.000	20.9	560	0.0	
			Well Head	9:00	0.000	20.9	560	0.0	
		E	N	10:00	0.000	20.9	560	0.0	
			S	10:00	0.000	20.9	560	0.0	
			E	10:00	0.000	20.9	560	0.0	
			W	10:00	0.000	20.9	560	0.0	
			Well Head	10:00	0.000	20.9	580	0.0	
			Finish	11:33					
15-Dec-14	26		Start	7:44					
		E	N	9:30	0.000	20.9	620	0.0	
			S	9:30	0.000	20.9	600	0.0	
			E	9:30	0.000	20.9	620	0.0	
			W	9:30	0.000	20.9	600	0.0	
			Well Head	9:30	0.000	20.9	630	0.0	
		E	N	13:30	0.000	20.9	620	0.0	
			S	13:30	0.000	20.9	620	0.0	
			E	13:30	0.000	20.9	620	0.0	
			W	13:30	0.000	20.9	620	0.0	
			Well Head	13:30	0.000	20.9	630	0.0	
			Finish	16:54					
15-Dec-14	79		Start	12:32					
		E	N	13:45	0.000	20.9	600	0.0	
			S	13:45	0.000	20.9	610	0.0	
			E	13:45	0.000	20.9	600	0.0	
			W	13:45	0.000	20.9	600	0.0	
			Well Head	13:45	0.000	20.9	610	0.0	
		E	N	15:30	0.000	20.9	600	0.0	
			S	15:30	0.000	20.9	600	0.0	
			E	15:30	0.000	20.9	600	0.0	
			W	15:30	0.000	20.9	620	0.0	
			Well Head	15:30	0.000	20.9	620	0.0	
			Finish	17:00					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
15-Dec-14	85		Start	7:59					
		E	N	9:15	0.000	20.9	600	0.0	
			S	9:15	0.000	20.9	600	0.0	
			E	9:15	0.000	20.9	600	0.0	
			W	9:15	0.000	20.9	600	0.0	
			Well Head	9:15	0.000	20.9	630	0.0	
		E	N	11:00	0.000	20.9	600	0.0	
			S	11:00	0.000	20.9	610	0.0	
			E	11:00	0.000	20.9	600	0.0	
			W	11:00	0.000	20.9	600	0.0	
			Well Head	11:00	0.000	20.9	630	0.0	
			Finish	12:23					
16-Dec-14	103		Start	7:33					
		N	N	10:00	0.000	20.9	610	0.0	
			S	10:00	0.000	20.9	610	0.0	
			E	10:00	0.000	20.9	630	0.0	
			W	10:00	0.000	20.9	610	0.0	
			Well Head	10:00	0.000	20.9	660	0.0	
		N	N	11:00	0.000	20.9	610	0.0	
			S	11:00	0.000	20.9	630	0.0	
			E	11:00	0.000	20.9	630	0.0	
			W	11:00	0.000	20.9	610	0.0	
			Well Head	11:00	0.000	20.9	640	0.0	
			Finish	12:22					
16-Dec-14	33		Start	7:34					
		N	N	10:10	0.000	20.9	610	0.0	
			S	10:10	0.000	20.9	610	0.0	
			E	10:10	0.000	20.9	610	0.0	
			W	10:10	0.000	20.9	610	0.0	
			Well Head	10:10	0.000	20.9	650	0.0	
		N	N	14:40	0.000	20.9	600	0.0	
			S	14:40	0.000	20.9	600	0.0	
			E	14:40	0.000	20.9	600	0.0	
			W	14:40	0.000	20.9	580	0.0	
			Well Head	14:40	0.000	20.9	630	0.0	
			Finish	16:39					
16-Dec-14	4		Start	7:42					
		N	N	10:19	0.000	20.9	610	0.0	
			S	10:19	0.000	20.9	610	0.0	
			E	10:19	0.000	20.9	610	0.0	
			W	10:19	0.000	20.9	610	0.0	
			Well Head	10:19	0.000	20.9	690	0.0	
		N	N	14:50	0.000	20.9	610	0.0	
			S	14:50	0.000	20.9	610	0.0	
			E	14:50	0.000	20.9	610	0.0	
			W	14:50	0.000	20.9	610	0.0	
			Well Head	14:50	0.000	20.9	680	0.0	
			Finish	17:13					
17-Dec-14	13		Start	12:32					
		E	N	13:15	0.000	20.9	580	0.0	
			S	13:15	0.000	20.9	580	0.0	
			E	13:15	0.000	20.9	580	0.0	
			W	13:15	0.000	20.9	580	0.0	
			Well Head	13:15	0.000	20.9	580	0.0	
		E	N	15:30	0.000	20.9	600	0.0	
			S	15:30	0.000	20.9	580	0.0	
			E	15:30	0.000	20.9	580	0.0	
			W	15:30	0.000	20.9	600	0.0	
			Well Head	15:30	0.000	20.9	600	0.0	
			Finish	17:00					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
17-Dec-14	48		Start	7:38					
		E	N	8:30	0.000	20.9	580	0.0	
			S	8:30	0.000	20.9	600	0.0	
			E	8:30	0.000	20.9	600	0.0	
			W	8:30	0.000	20.9	580	0.0	
			Well Head	8:30	0.000	20.9	630	0.0	
		E	N	11:30	0.000	20.9	610	0.0	
			S	11:30	0.000	20.9	610	0.0	
			E	11:30	0.000	20.9	600	0.0	
			W	11:30	0.000	20.9	600	0.0	
			Well Head	11:30	0.000	20.9	640	0.0	
			Finish	12:32					
18-Dec-14	18		Start	12:23					
		E	N	13:30	0.000	20.9	580	0.0	
			S	13:30	0.000	20.9	580	0.0	
			E	13:30	0.000	20.9	580	0.0	
			W	13:30	0.000	20.9	580	0.0	
			Well Head	13:30	0.000	20.9	610	0.0	
		E	N	15:30	0.000	20.9	580	0.0	
			S	15:30	0.000	20.9	600	0.0	
			E	15:30	0.000	20.9	600	0.0	
			W	15:30	0.000	20.9	680	0.0	
			Well Head	15:30	0.000	20.9	630	0.0	
			Finish	16:55					
18-Dec-14	78		Start	7:34					
		E	N	13:45	0.000	20.9	580	0.0	
			S	13:45	0.000	20.9	580	0.0	
			E	13:45	0.000	20.9	580	0.0	
			W	13:45	0.000	20.9	580	0.0	
			Well Head	13:45	0.000	20.9	630	0.0	
		E	N	15:45	0.000	20.9	600	0.0	
			S	15:45	0.000	20.9	600	0.0	
			E	15:45	0.000	20.9	600	0.0	
			W	15:45	0.000	20.9	600	0.0	
			Well Head	15:45	0.000	20.9	650	0.0	
			Finish	16:39					
18-Dec-14	42		Start	7:52					
		N	N	10:30	0.000	20.9	580	0.0	
			S	10:30	0.000	20.9	580	0.0	
			E	10:30	0.000	20.9	580	0.0	
			W	10:30	0.000	20.9	580	0.0	
			Well Head	10:30	0.000	20.9	580	0.0	
		N	N	14:00	0.000	20.9	580	0.0	
			S	14:00	0.000	20.9	580	0.0	
			E	14:00	0.000	20.9	580	0.0	
			W	14:00	0.000	20.9	580	0.0	
			Well Head	14:00	0.000	20.9	600	0.0	
			Finish	16:53					
19-Dec-14	123		Start	7:22					
		E	N	8:30	0.000	20.9	630	0.0	
			S	8:30	0.000	20.9	640	0.0	
			E	8:30	0.000	20.9	640	0.0	
			W	8:30	0.000	20.9	630	0.0	
			Well Head	8:30	0.000	20.9	680	0.0	
		E	N	10:30	0.000	20.9	640	0.0	
			S	10:30	0.000	20.9	640	0.0	
			E	10:30	0.000	20.9	640	0.0	
			W	10:30	0.000	20.9	640	0.0	
			Well Head	10:30	0.000	20.9	680	0.0	
			Finish	11:36					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
19-Dec-14	73		Start	7:26					
		E	N	8:45	0.000	20.9	630	0.0	
			S	8:45	0.000	20.9	640	0.0	
			E	8:45	0.000	20.9	640	0.0	
			W	8:45	0.000	20.9	640	0.0	
			Well Head	8:45	0.000	20.9	640	0.0	
		E	N	10:45	0.000	20.9	630	0.0	
			S	10:45	0.000	20.9	630	0.0	
			E	10:45	0.000	20.9	630	0.0	
			W	10:45	0.000	20.9	630	0.0	
			Well Head	10:45	0.000	20.9	640	0.0	
			Finish	11:38					
19-Dec-14	26		Start	7:28					
		E	N	9:00	0.000	20.9	620	0.0	
			S	9:00	0.000	20.9	620	0.0	
			E	9:00	0.000	20.9	620	0.0	
			W	9:00	0.000	20.9	620	0.0	
			Well Head	9:00	0.000	20.9	630	0.0	
		E	N	11:00	0.000	20.9	630	0.0	
			S	11:00	0.000	20.9	630	0.0	
			E	11:00	0.000	20.9	630	0.0	
			W	11:00	0.000	20.9	630	0.0	
			Well Head	11:00	0.000	20.9	630	0.0	
			Finish	11:43					
5-Jan-15	117		Start	7:34					
		S	N	14:00	0.000	20.9	610	0.0	
			S	14:00	0.000	20.9	610	0.0	
			E	14:00	0.000	20.9	610	0.0	
			W	14:00	0.000	20.9	610	0.0	
			Well Head	14:00	0.000	20.9	610	0.0	
		S	N	16:00	0.000	20.9	610	0.0	
			S	16:00	0.000	20.9	610	0.0	
			E	16:00	0.000	20.9	600	0.0	
			W	16:00	0.000	20.9	600	0.0	
			Well Head	16:00	0.000	20.9	610	0.0	
			Finish	12:09					
5-Jan-15	112		Start	8:40					
		S	N	14:15	0.000	20.9	600	0.0	
			S	14:15	0.000	20.9	600	0.0	
			E	14:15	0.000	20.9	580	0.0	
			W	14:15	0.000	20.9	600	0.0	
			Well Head	14:15	0.000	20.9	610	0.0	
		S	N	16:15	0.000	20.9	600	0.0	
			S	16:15	0.000	20.9	600	0.0	
			E	16:15	0.000	20.9	610	0.0	
			W	16:15	0.000	20.9	610	0.0	
			Well Head	16:15	0.000	20.9	610	0.0	
			Finish	17:12					
5-Jan-15	59		Start	14:18					
		S	N	14:30	0.000	20.9	610	0.0	
			S	14:30	0.000	20.9	600	0.0	
			E	14:30	0.000	20.9	600	0.0	
			W	14:30	0.000	20.9	600	0.0	
			Well Head	14:30	0.000	20.9	610	0.0	
		S	N	16:30	0.000	20.9	610	0.0	
			S	16:30	0.000	20.9	610	0.0	
			E	16:30	0.000	20.9	610	0.0	
			W	16:30	0.000	20.9	600	0.0	
			Well Head	16:30	0.000	20.9	610	0.0	
			Finish	17_08					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
6-Jan-15	61		Start	8:18					
		W	N	9:00	0.000	20.9	600	0.0	
			S	9:00	0.000	20.9	600	0.0	
			E	9:00	0.000	20.9	580	0.0	
			W	9:00	0.000	20.9	600	0.0	
			Well Head	9:00	0.000	20.9	600	0.0	
		W	N	11:00	0.000	20.9	600	0.0	
			S	11:00	0.000	20.9	580	0.0	
			E	11:00	0.000	20.9	580	0.0	
			W	11:00	0.000	20.9	580	0.0	
			Well Head	11:00	0.000	20.9	600	0.0	
			Finish	12:43					
6-Jan-15	56		Start	8:32					
		W	N	9:15	0.000	20.9	610	0.0	
			S	9:15	0.000	20.9	610	0.0	
			E	9:15	0.000	20.9	600	0.0	
			W	9:15	0.000	20.9	600	0.0	
			Well Head	9:15	0.000	20.9	630	0.0	
		W	N	11:00	0.000	20.9	610	0.0	
			S	11:00	0.000	20.9	610	0.0	
			E	11:00	0.000	20.9	610	0.0	
			W	11:00	0.000	20.9	610	0.0	
			Well Head	11:00	0.000	20.9	630	0.0	
			Finish	13:59					
6-Jan-15	50		Start	8:12					
		W	N	9:30	0.000	20.9	610	0.0	
			S	9:30	0.000	20.9	600	0.0	
			E	9:30	0.000	20.9	600	0.0	
			W	9:30	0.000	20.9	600	0.0	
			Well Head	9:30	0.000	20.9	610	0.0	
		W	N	11:30	0.000	20.9	610	0.0	
			S	11:30	0.000	20.9	610	0.0	
			E	11:30	0.000	20.9	600	0.0	
			W	11:30	0.000	20.9	600	0.0	
			Well Head	11:30	0.000	20.9	610	0.0	
			Finish	12:33					
7-Jan-15	3		Start	7:37					
		W	N	14:00	0.000	20.9	580	0.0	
			S	14:00	0.000	20.9	580	0.0	
			E	14:00	0.000	20.9	580	0.0	
			W	14:00	0.000	20.9	580	0.0	
			Well Head	14:00	0.000	20.9	600	0.0	
		W	N	16:00	0.000	20.9	580	0.0	
			S	16:00	0.000	20.9	580	0.0	
			E	16:00	0.000	20.9	580	0.0	
			W	16:00	0.000	20.9	580	0.0	
			Well Head	16:00	0.000	20.9	600	0.0	
			Finish	16:59					
7-Jan-15	9		Start	7:39					
		W	N	14:15	0.000	20.9	580	0.0	
			S	14:15	0.000	20.9	580	0.0	
			E	14:15	0.000	20.9	600	0.0	
			W	14:15	0.000	20.9	600	0.0	
			Well Head	14:15	0.000	20.9	600	0.0	
		W	N	16:15	0.000	20.9	600	0.0	
			S	16:15	0.000	20.9	600	0.0	
			E	16:15	0.000	20.9	580	0.0	
			W	16:15	0.000	20.9	600	0.0	
			Well Head	16:15	0.000	20.9	600	0.0	
			Finish	17:00					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
7-Jan-15	118		Start	12:07					
		W	N	14:30	0.000	20.9	580	0.0	
			S	14:30	0.000	20.9	580	0.0	
			E	14:30	0.000	20.9	580	0.0	
			W	14:30	0.000	20.9	600	0.0	
			Well Head	14:30	0.000	20.9	600	0.0	
		W	N	16:30	0.000	20.9	580	0.0	
			S	16:30	0.000	20.9	580	0.0	
			E	16:30	0.000	20.9	580	0.0	
			W	16:30	0.000	20.9	580	0.0	
			Well Head	16:30	0.000	20.9	580	0.0	
			Finish	16:40					
8-Jan-15	2		Start	8:24					
		E	N	9:00	0.000	20.9	600	0.0	
			S	9:00	0.000	20.9	600	0.0	
			E	9:00	0.000	20.9	600	0.0	
			W	9:00	0.000	20.9	600	0.0	
			Well Head	9:00	0.000	20.9	610	0.0	
		E	N	11:00	0.000	20.9	600	0.0	
			S	11:00	0.000	20.9	600	0.0	
			E	11:00	0.000	20.9	600	0.0	
			W	11:00	0.000	20.9	580	0.0	
			Well Head	11:00	0.000	20.9	580	0.0	
			Finish	13:01					
8-Jan-15	8		Start	8:12					
		E	N	9:15	0.000	20.9	610	0.0	
			S	9:15	0.000	20.9	610	0.0	
			E	9:15	0.000	20.9	600	0.0	
			W	9:15	0.000	20.9	600	0.0	
			Well Head	9:15	0.000	20.9	600	0.0	
		E	N	13:00	0.000	20.9	600	0.0	
			S	13:00	0.000	20.9	610	0.0	
			E	13:00	0.000	20.9	610	0.0	
			W	13:00	0.000	20.9	600	0.0	
			Well Head	13:00	0.000	20.9	610	0.0	
			Finish	12:33					
8-Jan-15	31		Start	8:22					
		E	N	9:30	0.000	20.9	600	0.0	
			S	9:30	0.000	20.9	600	0.0	
			E	9:30	0.000	20.9	600	0.0	
			W	9:30	0.000	20.9	600	0.0	
			Well Head	9:30	0.000	20.9	600	0.0	
		E	N	13:15	0.000	20.9	600	0.0	
			S	13:15	0.000	20.9	600	0.0	
			E	13:15	0.000	20.9	610	0.0	
			W	13:15	0.000	20.9	600	0.0	
			Well Head	13:15	0.000	20.9	610	0.0	
			Finish	17:02					
9-Jan-15	55		Start	7:49					
		W	N	9:00	0.000	20.9	580	0.0	
			S	9:00	0.000	20.9	580	0.0	
			E	9:00	0.000	20.9	600	0.0	
			W	9:00	0.000	20.9	580	0.0	
			Well Head	9:00	0.000	20.9	600	0.0	
		W	N	10:30	0.000	20.9	580	0.0	
			S	10:30	0.000	20.9	580	0.0	
			E	10:30	0.000	20.9	580	0.0	
			W	10:30	0.000	20.9	580	0.0	
			Well Head	10:30	0.000	20.9	580	0.0	
			Finish	11:10					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
9-Jan-15	25		Start	7:45					
		E	N	9:15	0.000	20.9	610	0.0	
			S	9:15	0.000	20.9	610	0.0	
			E	9:15	0.000	20.9	610	0.0	
			W	9:15	0.000	20.9	600	0.0	
			Well Head	9:15	0.000	20.9	610	0.0	
		E	N	12:00	0.000	20.9	610	0.0	
			S	12:00	0.000	20.9	610	0.0	
			E	12:00	0.000	20.9	600	0.0	
			W	12:00	0.000	20.9	600	0.0	
			Well Head	12:00	0.000	20.9	610	0.0	
			Finish	11:09					
9-Jan-15	42		Start	7:45					
		E	N	9:30	0.000	20.9	580	0.0	
			S	9:30	0.000	20.9	580	0.0	
			E	9:30	0.000	20.9	600	0.0	
			W	9:30	0.000	20.9	580	0.0	
			Well Head	9:30	0.000	20.9	600	0.0	
		E	N	11:00	0.000	20.9	600	0.0	
			S	11:00	0.000	20.9	600	0.0	
			E	11:00	0.000	20.9	600	0.0	
			W	11:00	0.000	20.9	580	0.0	
			Well Head	11:00	0.000	20.9	600	0.0	
			Finish	11:12					
12-Jan-15			Air monitoring was not conducted due to heavy rain at the site.						
13-Jan-15	145		Start	8:08					
		W	N	12:45	0.000	20.9	680	0.0	
			S	12:45	0.000	20.9	670	0.0	
			E	12:45	0.000	20.9	670	0.0	
			W	12:45	0.000	20.9	660	0.0	
			Well Head	12:45	0.000	20.9	710	0.0	
		W	N	15:45	0.000	20.9	670	0.0	
			S	15:45	0.000	20.9	670	0.0	
			E	15:45	0.000	20.9	680	0.0	
			W	15:45	0.000	20.9	700	0.0	
			Well Head	15:45	0.000	20.9	700	0.0	
			Finish	16:57					
13-Jan-15	7		Start	8:05					
		W	N	13:00	0.000	20.9	640	0.0	
			S	13:00	0.000	20.9	640	0.0	
			E	13:00	0.000	20.9	640	0.0	
			W	13:00	0.000	20.9	630	0.0	
			Well Head	13:00	0.000	20.9	650	0.0	
		W	N	16:00	0.000	20.9	640	0.0	
			S	16:00	0.000	20.9	640	0.0	
			E	16:00	0.000	20.9	650	0.0	
			W	16:00	0.000	20.9	660	0.0	
			Well Head	16:00	0.000	20.9	660	0.0	
			Finish	17:23					
13-Jan-15	17		Start	8:09					
		W	N	13:15	0.000	20.9	620	0.0	
			S	13:15	0.000	20.9	630	0.0	
			E	13:15	0.000	20.9	610	0.0	
			W	13:15	0.000	20.9	620	0.0	
			Well Head	13:15	0.000	20.9	660	0.0	
		W	N	16:15	0.000	20.9	630	0.0	
			S	16:15	0.000	20.9	620	0.0	
			E	16:15	0.000	20.9	620	0.0	
			W	16:15	0.000	20.9	630	0.0	
			Well Head	16:15	0.000	20.9	660	0.0	
			Finish	17:29					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
14-Jan-15	24		Start	8:15					
		S	N	13:30	0.000	20.9	690	0.0	
			S	13:30	0.000	20.9	690	0.0	
			E	13:30	0.000	20.9	690	0.0	
			W	13:30	0.000	20.9	690	0.0	
			Well Head	13:30	0.000	20.9	670	0.0	
		S	N	15:45	0.000	20.9	690	0.0	
			S	15:45	0.000	20.9	690	0.0	
			E	15:45	0.000	20.9	690	0.0	
			W	15:45	0.000	20.9	690	0.0	
			Well Head	15:45	0.000	20.9	690	0.0	
			Finish	17:00					
14-Jan-15	144		Start	8:02					
		S	N	13:45	0.000	20.9	690	0.0	
			S	13:45	0.000	20.9	690	0.0	
			E	13:45	0.000	20.9	670	0.0	
			W	13:45	0.000	20.9	690	0.0	
			Well Head	13:45	0.000	20.9	730	0.0	
		S	N	16:00	0.000	20.9	660	0.0	
			S	16:00	0.000	20.9	660	0.0	
			E	16:00	0.000	20.9	660	0.0	
			W	16:00	0.000	20.9	660	0.0	
			Well Head	16:00	0.000	20.9	700	0.0	
			Finish	16:58					
14-Jan-15	141		Start	8:08					
		S	N	14:00	0.000	20.9	660	0.0	
			S	14:00	0.000	20.9	690	0.0	
			E	14:00	0.000	20.9	680	0.0	
			W	14:00	0.000	20.9	690	0.0	
			Well Head	14:00	0.000	20.9	700	0.0	
		S	N	16:15	0.000	20.9	680	0.0	
			S	16:15	0.000	20.9	680	0.0	
			E	16:15	0.000	20.9	690	0.0	
			W	16:15	0.000	20.9	690	0.0	
			Well Head	16:15	0.000	20.9	690	0.0	
			Finish	16:53					
15-Jan-15	40		Start	8:05					
		S	N	10:30	0.000	20.9	670	0.0	
			S	10:30	0.000	20.9	690	0.0	
			E	10:30	0.000	20.9	660	0.0	
			W	10:30	0.000	20.9	660	0.0	
			Well Head	10:30	0.000	20.9	750	0.0	
		S	N	13:00	0.000	20.9	670	0.0	
			S	13:00	0.000	20.9	670	0.0	
			E	13:00	0.000	20.9	670	0.0	
			W	13:00	0.000	20.9	670	0.0	
			Well Head	13:00	0.000	20.9	740	0.0	
			Finish	17:23					
15-Jan-15	58		Start	7:59					
		S	N	10:45	0.000	20.9	660	0.0	
			S	10:45	0.000	20.9	660	0.0	
			E	10:45	0.000	20.9	670	0.0	
			W	10:45	0.000	20.9	670	0.0	
			Well Head	10:45	0.000	20.9	700	0.0	
		S	N	13:15	0.000	20.9	670	0.0	
			S	13:15	0.000	20.9	690	0.0	
			E	13:15	0.000	20.9	690	0.0	
			W	13:15	0.000	20.9	690	0.0	
			Well Head	13:15	0.000	20.9	700	0.0	
			Finish	17:14					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
15-Jan-15	36		Start	8:22					
		S	N	11:00	0.000	20.9	690	0.0	
			S	11:00	0.000	20.9	690	0.0	
			E	11:00	0.000	20.9	690	0.0	
			W	11:00	0.000	20.9	690	0.0	
			Well Head	11:00	0.000	20.9	700	0.0	
		S	N	13:30	0.000	20.9	670	0.0	
			S	13:30	0.000	20.9	670	0.0	
			E	13:30	0.000	20.9	670	0.0	
			W	13:30	0.000	20.9	690	0.0	
			Well Head	13:30	0.000	20.9	700	0.0	
			Finish	17:05					
16-Jan-15	113		Start	8:03					
		E	N	9:00	0.000	20.9	640	0.0	
			S	9:00	0.000	20.9	640	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	630	0.0	
			Well Head	9:00	0.000	20.9	640	0.0	
		E	N	10:45	0.000	20.9	630	0.0	
			S	10:45	0.000	20.9	640	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	630	0.0	
			Well Head	10:45	0.000	20.9	640	0.0	
			Finish	11:05					
16-Jan-15	139		Start	8:26					
		E	N	9:15	0.000	20.9	630	0.0	
			S	9:15	0.000	20.9	630	0.0	
			E	9:15	0.000	20.9	630	0.0	
			W	9:15	0.000	20.9	630	0.0	
			Well Head	9:15	0.000	20.9	640	0.0	
		E	N	11:00	0.000	20.9	620	0.0	
			S	11:00	0.000	20.9	620	0.0	
			E	11:00	0.000	20.9	620	0.0	
			W	11:00	0.000	20.9	620	0.0	
			Well Head	11:00	0.000	20.9	640	0.0	
			Finish	13:07					
16-Jan-15	133		Start	8:18					
		E	N	9:30	0.000	20.9	640	0.0	
			S	9:30	0.000	20.9	660	0.0	
			E	9:30	0.000	20.9	640	0.0	
			W	9:30	0.000	20.9	660	0.0	
			Well Head	9:30	0.000	20.9	660	0.0	
		E	N	11:15	0.000	20.9	630	0.0	
			S	11:15	0.000	20.9	640	0.0	
			E	11:15	0.000	20.9	640	0.0	
			W	11:15	0.000	20.9	640	0.0	
			Well Head	11:15	0.000	20.9	640	0.0	
			Finish	12:55					
19-Jan-15	71		Start	7:53					
		E	N	10:45	0.000	20.9	640	0.0	
			S	10:45	0.000	20.9	640	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	640	0.0	
			Well Head	10:45	0.000	20.9	660	0.0	
		E	N	15:15	0.000	20.9	640	0.0	
			S	15:15	0.000	20.9	640	0.0	
			E	15:15	0.000	20.9	640	0.0	
			W	15:15	0.000	20.9	640	0.0	
			Well Head	15:15	0.000	20.9	680	0.0	
			Finish	17:30					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
19-Jan-15	98		Start	8:10					
		E	N	11:00	0.000	20.9	640	0.0	
			S	11:00	0.000	20.9	660	0.0	
			E	11:00	0.000	20.9	640	0.0	
			W	11:00	0.000	20.9	640	0.0	
			Well Head	11:00	0.000	20.9	680	0.0	
		E	N	15:30	0.000	20.9	660	0.0	
			S	15:30	0.000	20.9	660	0.0	
			E	15:30	0.000	20.9	640	0.0	
			W	15:30	0.000	20.9	660	0.0	
			Well Head	15:30	0.000	20.9	660	0.0	
			Finish	17:04					
19-Jan-15	128		Start	7:55					
		E	N	11:15	0.000	20.9	660	0.0	
			S	11:15	0.000	20.9	660	0.0	
			E	11:15	0.000	20.9	660	0.0	
			W	11:15	0.000	20.9	660	0.0	
			Well Head	11:15	0.000	20.9	700	0.0	
		E	N	15:30	0.000	20.9	660	0.0	
			S	15:30	0.000	20.9	660	0.0	
			E	15:30	0.000	20.9	660	0.0	
			W	15:30	0.000	20.9	660	0.0	
			Well Head	15:30	0.000	20.9	740	0.0	
			Finish	17:25					
20-Jan-15	88		Start	8:18					
		W	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	660	0.0	
			E	10:00	0.000	20.9	660	0.0	
			W	10:00	0.000	20.9	660	0.0	
			Well Head	10:00	0.000	20.9	680	0.0	
		W	N	14:00	0.000	20.9	660	0.0	
			S	14:00	0.000	20.9	660	0.0	
			E	14:00	0.000	20.9	660	0.0	
			W	14:00	0.000	20.9	660	0.0	
			Well Head	14:00	0.000	20.9	700	0.0	
			Finish	17:08					
20-Jan-15	140		Start	8:13					
		W	N	10:15	0.000	20.9	640	0.0	
			S	10:15	0.000	20.9	640	0.0	
			E	10:15	0.000	20.9	660	0.0	
			W	10:15	0.000	20.9	640	0.0	
			Well Head	10:15	0.000	20.9	680	0.0	
		W	N	14:15	0.000	20.9	660	0.0	
			S	14:15	0.000	20.9	640	0.0	
			E	14:15	0.000	20.9	640	0.0	
			W	14:15	0.000	20.9	640	0.0	
			Well Head	14:15	0.000	20.9	660	0.0	
			Finish	15:56					
20-Jan-15	111		Start	7:54					
		W	N	10:30	0.000	20.9	630	0.0	
			S	10:30	0.000	20.9	630	0.0	
			E	10:30	0.000	20.9	630	0.0	
			W	10:30	0.000	20.9	630	0.0	
			Well Head	10:30	0.000	20.9	660	0.0	
		W	N	14:30	0.000	20.9	630	0.0	
			S	14:30	0.000	20.9	630	0.0	
			E	14:30	0.000	20.9	630	0.0	
			W	14:30	0.000	20.9	640	0.0	
			Well Head	14:30	0.000	20.9	680	0.0	
			Finish	17:11					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
21-Jan-15	127		Start	8:05					
		W	N	11:00	0.000	20.9	660	0.0	
			S	11:00	0.000	20.9	650	0.0	
			E	11:00	0.000	20.9	650	0.0	
			W	11:00	0.000	20.9	650	0.0	
			Well Head	11:00	0.000	20.9	680	0.0	
		W	N	15:15	0.000	20.9	660	0.0	
			S	15:15	0.000	20.9	660	0.0	
			E	15:15	0.000	20.9	660	1.0	
			W	15:15	0.000	20.9	660	0.0	
			Well Head	15:15	0.000	20.9	680	0.0	
			Finish	17:04					
21-Jan-15	136		Start	8:13					
		W	N	11:15	0.000	20.9	660	0.0	
			S	11:15	0.000	20.9	660	0.0	
			E	11:15	0.000	20.9	660	0.0	
			W	11:15	0.000	20.9	660	0.0	
			Well Head	11:15	0.000	20.9	700	0.0	
		W	N	15:30	0.000	20.9	650	0.0	
			S	15:30	0.000	20.9	660	0.0	
			E	15:30	0.000	20.9	660	0.0	
			W	15:30	0.000	20.9	650	0.0	
			Well Head	0.646	0.000	20.9	700	1.0	
			Finish	17:08					
21-Jan-15	143		Start	8:09					
		W	N	11:30	0.000	20.9	630	0.0	
			S	11:30	0.000	20.9	630	0.0	
			E	11:30	0.000	20.9	630	0.0	
			W	11:30	0.000	20.9	630	0.0	
			Well Head	11:30	0.000	20.9	660	0.0	
		W	N	15:45	0.000	20.9	640	0.0	
			S	15:45	0.000	20.9	640	0.0	
			E	15:45	0.000	20.9	640	0.0	
			W	15:45	0.000	20.9	640	1.0	
			Well Head	15:45	0.000	20.9	660	0.0	
			Finish	17:09					
22-Jan-15	93		Start	8:13					
		W	N	13:45	0.000	20.9	600	0.0	
			S	13:45	0.000	20.9	600	1.0	
			E	13:45	0.000	20.9	600	0.0	
			W	13:45	0.000	20.9	600	3.0	
			Well Head	13:45	0.000	20.9	630	0.0	
		W	N	16:15	0.000	20.9	610	0.0	
			S	16:15	0.000	20.9	600	6.0	
			E	16:15	0.000	20.9	600	5.0	
			W	16:15	0.000	20.9	610	0.0	
			Well Head	16:15	0.000	20.9	620	0.0	
			Finish	15:56					
22-Jan-15	111		Start	10:19					
		W	N	14:00	0.000	20.9	600	5.0	
			S	14:00	0.000	20.9	600	0.0	
			E	14:00	0.000	20.9	610	3.0	
			W	14:00	0.000	20.9	610	0.0	
			Well Head	14:00	0.000	20.9	610	0.0	
		W	N	16:30	0.000	20.9	610	5.0	
			S	16:30	0.000	20.9	610	6.0	
			E	16:30	0.000	20.9	610	0.0	
			W	16:30	0.000	20.9	610	0.0	
			Well Head	16:30	0.000	20.9	610	3.0	
			Finish	17:29					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
22-Jan-15	114		Start	8:05					
		W	N	14:15	0.000	20.9	630	0.0	
			S	14:15	0.000	20.9	620	0.0	
			E	14:15	0.000	20.9	620	1.0	
			W	14:15	0.000	20.9	640	0.0	
			Well Head	14:15	0.000	20.9	660	0.0	
		W	N	16:45	0.000	20.9	630	3.0	
			S	16:45	0.000	20.9	640	0.0	
			E	16:45	0.000	20.9	630	1.0	
			W	16:45	0.000	20.9	630	0.0	
			Well Head	16:45	0.000	20.9	660	0.0	
			Finish	17:04					
23-Jan-15			Air monitoring was not conducted due to heavy rain at the site.						
26-Jan-15	53		Start	8:09					
		E	N	10:00	0.000	20.9	630	0.0	
			S	10:00	0.000	20.9	630	0.0	
			E	10:00	0.000	20.9	640	0.0	
			W	10:00	0.000	20.9	630	0.0	
			Well Head	10:00	0.000	20.9	630	0.0	
		E	N	16:00	0.000	20.9	630	0.0	
			S	16:00	0.000	20.9	630	0.0	
			E	16:00	0.000	20.9	640	0.0	
			W	16:00	0.000	20.9	640	0.0	
			Well Head	16:00	0.000	20.9	640	0.0	
			Finish	17:57					
26-Jan-15	122		Start	8:08					
		E	N	10:15	0.000	20.9	630	0.0	
			S	10:15	0.000	20.9	630	0.0	
			E	10:15	0.000	20.9	630	0.0	
			W	10:15	0.000	20.9	630	0.0	
			Well Head	10:15	0.000	20.9	640	0.0	
		E	N	16:15	0.000	20.9	610	0.0	
			S	16:15	0.000	20.9	610	0.0	
			E	16:15	0.000	20.9	630	0.0	
			W	16:15	0.000	20.9	630	0.0	
			Well Head	16:15	0.000	20.9	640	0.0	
			Finish	17:56					
26-Jan-15	43		Start	7:52					
		E	N	10:30	0.000	20.9	630	0.0	
			S	10:30	0.000	20.9	610	0.0	
			E	10:30	0.000	20.9	630	0.0	
			W	10:30	0.000	20.9	630	0.0	
			Well Head	10:30	0.000	20.9	630	0.0	
		E	N	16:30	0.000	20.9	630	0.0	
			S	16:30	0.000	20.9	630	0.0	
			E	16:30	0.000	20.9	610	0.0	
			W	16:30	0.000	20.9	610	0.0	
			Well Head	16:30	0.000	20.9	610	0.0	
			Finish	17:59					
27-Jan-15	130		Start	8:02					
		E	N	9:30	0.000	20.9	720	0.0	
			S	9:30	0.000	20.9	720	0.0	
			E	9:30	0.000	20.9	700	0.0	
			W	9:30	0.000	20.9	700	0.0	
			Well Head	9:30	0.000	20.9	760	0.0	
		E	N	12:15	0.000	20.9	730	0.0	
			S	12:15	0.000	20.9	730	0.0	
			E	12:15	0.000	20.9	730	0.0	
			W	12:15	0.000	20.9	730	0.0	
			Well Head	12:15	0.000	20.9	780	0.0	
			Finish	16:50					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
27-Jan-15	135		Start	8:02					
		E	N	9:45	0.000	20.9	640	0.0	
			S	9:45	0.000	20.9	610	0.0	
			E	9:45	0.000	20.9	640	0.0	
			W	9:45	0.000	20.9	630	0.0	
			Well Head	9:45	0.000	20.9	640	0.0	
		E	N	12:30	0.000	20.9	630	0.0	
			S	12:30	0.000	20.9	630	0.0	
			E	12:30	0.000	20.9	630	0.0	
			W	12:30	0.000	20.9	630	0.0	
			Well Head	12:30	0.000	20.9	660	0.0	
			Finish	16:52					
27-Jan-15	137		Start	7:52					
		E	N	10:00	0.000	20.9	640	0.0	
			S	10:00	0.000	20.9	630	0.0	
			E	10:00	0.000	20.9	640	0.0	
			W	10:00	0.000	20.9	640	0.0	
			Well Head	10:00	0.000	20.9	660	0.0	
		E	N	12:45	0.000	20.9	640	0.0	
			S	12:45	0.000	20.9	630	0.0	
			E	12:45	0.000	20.9	630	0.0	
			W	12:45	0.000	20.9	640	0.0	
			Well Head	12:45	0.000	20.9	640	0.0	
			Finish	16:51					
28-Jan-15	125		Start	7:47					
		S	N	10:30	0.000	20.9	640	0.0	
			S	10:30	0.000	20.9	640	0.0	
			E	10:30	0.000	20.9	640	0.0	
			W	10:30	0.000	20.9	640	0.0	
			Well Head	10:30	0.000	20.9	640	0.0	
		S	N	14:30	0.000	20.9	640	0.0	
			S	14:30	0.000	20.9	640	0.0	
			E	14:30	0.000	20.9	640	0.0	
			W	14:30	0.000	20.9	640	0.0	
			Well Head	14:30	0.000	20.9	660	0.0	
			Finish	16:39					
28-Jan-15	126		Start	7:46					
		S	N	10:45	0.000	20.9	630	0.0	
			S	10:45	0.000	20.9	630	0.0	
			E	10:45	0.000	20.9	630	0.0	
			W	10:45	0.000	20.9	630	0.0	
			Well Head	10:45	0.000	20.9	640	0.0	
		S	N						
			S						
			E						
			W						
			Well Head						
			Finish	10:50					
28-Jan-15	134		Start	7:52					
		S	N	11:00	0.000	20.9	640	0.0	
			S	11:00	0.000	20.9	660	0.0	
			E	11:00	0.000	20.9	640	0.0	
			W	11:00	0.000	20.9	660	0.0	
			Well Head	11:00	0.000	20.9	670	0.0	
		S	N	14:45	0.000	20.9	660	0.0	
			S	14:45	0.000	20.9	640	0.0	
			E	14:45	0.000	20.9	660	0.0	
			W	14:45	0.000	20.9	660	0.0	
			Well Head	14:45	0.000	20.9	670	0.0	
			Finish	16:46					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
29-Jan-15	129		Start	8:03					
		W	N	9:30	0.000	20.9	670	0.0	
			S	9:30	0.000	20.9	670	0.0	
			E	9:30	0.000	20.9	660	0.0	
			W	9:30	0.000	20.9	670	0.0	
			Well Head	9:30	0.000	20.9	740	0.0	
		W	N						
			S						
			E						
			W						
			Well Head						
			Finish	13:08					
29-Jan-15	142		Start	8:13					
		W	N	9:15	0.000	20.9	700	0.0	
			S	9:15	0.000	20.9	700	0.0	
			E	9:15	0.000	20.9	700	0.0	
			W	9:15	0.000	20.9	700	0.0	
			Well Head	9:15	0.000	20.9	700	0.0	
		W	N	15:00	0.000	20.9	720	0.0	
			S	15:00	0.000	20.9	700	0.0	
			E	15:00	0.000	20.9	700	0.0	
			W	15:00	0.000	20.9	660	0.0	
			Well Head	15:00	0.000	20.9	700	0.0	
			Finish	16:59					
30-Jan-15	133		Start	7:35					
		E	N	9:00	0.000	20.9	640	0.0	
			S	9:00	0.000	20.9	640	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	640	0.0	
			Well Head	9:00	0.000	20.9	640	0.0	
		E	N	10:00	0.000	20.9	630	0.0	
			S	10:00	0.000	20.9	640	0.0	
			E	10:00	0.000	20.9	630	0.0	
			W	10:00	0.000	20.9	640	0.0	
			Well Head	10:00	0.000	20.9	640	0.0	
			Finish	10:54					
30-Jan-15	134		Start	7:37					
		E	N	9:15	0.000	20.9	640	0.0	
			S	9:15	0.000	20.9	640	0.0	
			E	9:15	0.000	20.9	660	0.0	
			W	9:15	0.000	20.9	640	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
		E	N	10:15	0.000	20.9	640.0	0.0	
			S	10:15	0.000	20.9	640.0	0.0	
			E	10:15	0.000	20.9	660.0	0.0	
			W	10:15	0.000	20.9	660.0	0.0	
			Well Head	10:15	0.000	20.9	660.0	0.0	
			Finish	10:55					
30-Jan-15	138		Start	7:39					
		S	N	9:30	0.000	20.9	660	0.0	
			S	9:30	0.003	20.9	660	0.0	
			E	9:30	0.000	20.9	680	0.0	
			W	9:30	0.001	20.9	660	0.0	
			Well Head	9:30	0.000	20.9	720	0.0	
		S	N	10:30	0.000	20.9	680	0.0	
			S	10:30	0.000	20.9	680	0.0	
			E	10:30	0.000	20.9	680	0.0	
			W	10:30	0.000	20.9	680	0.0	
			Well Head	10:30	0.005	20.9	700	0.0	
			Finish	10:58					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
2-Feb-15	116		Start	7:42					
		N	N	10:45	0.000	20.9	580	0.0	
			S	10:45	0.000	20.9	580	0.0	
			E	10:45	0.000	20.9	580	0.0	
			W	10:45	0.000	20.9	580	0.0	
			Well Head	10:45	0.000	20.9	580	0.0	
		N	N	12:00	0.000	20.9	580	0.0	
			S	12:00	0.000	20.9	600	0.0	
			E	12:00	0.000	20.9	580	0.0	
			W	12:00	0.000	20.9	580	0.0	
			Well Head	12:00	0.000	20.9	600	0.0	
			Finish	12:54					
2-Feb-15	86		Start	7:50					
		N	N	11:00	0.000	20.9	580	0.0	
			S	11:00	0.000	20.9	580	0.0	
			E	11:00	0.000	20.9	580	0.0	
			W	11:00	0.000	20.9	580	0.0	
			Well Head	11:00	0.000	20.9	580	0.0	
		N	N	15:45	0.000	20.9	580	0.0	
			S	15:45	0.000	20.9	560	0.0	
			E	15:45	0.000	20.9	560	0.0	
			W	15:45	0.000	20.9	580	0.0	
			Well Head	15:45	0.000	20.9	580	0.0	
			Finish	16:58					
2-Feb-15	138		Start	8:13					
		N	N	11:15	0.000	20.9	580	0.0	
			S	11:15	0.000	20.9	600	0.0	
			E	11:15	0.000	20.9	600	0.0	
			W	11:15	0.000	20.9	600	0.0	
			Well Head	11:15	0.000	20.9	580	0.0	
		N	N	12:15	0.000	20.9	580	0.0	
			S	12:15	0.000	20.9	580	0.0	
			E	12:15	0.000	20.9	580	0.0	
			W	12:15	0.000	20.9	600	0.0	
			Well Head	12:15	0.000	20.9	600	0.0	
			Finish	12:37					
3-Feb-15	116		Start	12:42					
		S	N	13:30	0.000	20.9	640	0.0	
			S	13:30	0.000	20.9	640	0.0	
			E	13:30	0.000	20.9	640	0.0	
			W	13:30	0.000	20.9	640	0.0	
			Well Head	13:30	0.000	20.9	640	0.0	
		S	N	15:15	0.000	20.9	640	0.0	
			S	15:15	0.000	20.9	660	0.0	
			E	15:15	0.000	20.9	660	0.0	
			W	15:15	0.000	20.9	640	0.0	
			Well Head	15:15	0.000	20.9	660	0.0	
			Finish	17:12					
3-Feb-15	36		Start	8:24					
		S	N	9:00	0.000	20.9	660	0.0	
			S	9:00	0.000	20.9	660	0.0	
			E	9:00	0.000	20.9	660	0.0	
			W	9:00	0.000	20.9	660	0.0	
			Well Head	9:00	0.000	20.9	660	0.0	
		S	N	13:45	0.000	20.9	660	0.0	
			S	13:45	0.000	20.9	660	0.0	
			E	13:45	0.000	20.9	680	0.0	
			W	13:45	0.000	20.9	640	0.0	
			Well Head	13:45	0.000	20.9	640	0.0	
			Finish	17:06					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
3-Feb-15	126		Start	8:08					
		S	N	9:15	0.000	20.9	660	0.0	
			S	9:15	0.000	20.9	660	0.0	
			E	9:15	0.000	20.9	640	0.0	
			W	9:15	0.000	20.9	640	0.0	
			Well Head	9:15	0.000	20.9	640	0.0	
		S	N	10:15	0.000	20.9	660	0.0	
			S	10:15	0.000	20.9	660	0.0	
			E	10:15	0.000	20.9	660	0.0	
			W	10:15	0.000	20.9	660	0.0	
			Well Head	10:15	0.000	20.9	660	0.0	
			Finish	11:15					
4-Feb-15	50		Start	7:52					
		S	N	8:30	0.000	20.9	660	0.0	
			S	8:30	0.000	20.9	660	0.0	
			E	8:30	0.000	20.9	660	0.0	
			W	8:30	0.000	20.9	660	0.0	
			Well Head	8:30	0.000	20.9	660	0.0	
		S	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	660	0.0	
			E	10:00	0.000	20.9	660	0.0	
			W	10:00	0.000	20.9	660	0.0	
			Well Head	10:00	0.000	20.9	640	0.0	
			Finish	12:47					
4-Feb-15	60		Start	7:42					
		S	N	8:45	0.000	20.9	640	0.0	
			S	8:45	0.000	20.9	660	0.0	
			E	8:45	0.000	20.9	660	0.0	
			W	8:45	0.000	20.9	640	0.0	
			Well Head	8:45	0.000	20.9	660	0.0	
		S	N	10:15	0.000	20.9	660	0.0	
			S	10:15	0.000	20.9	640	0.0	
			E	10:15	0.000	20.9	640	0.0	
			W	10:15	0.000	20.9	660	0.0	
			Well Head	10:15	0.000	20.9	680	0.0	
			Finish	16:48					
4-Feb-15	129		Start	8:04					
		S	N	9:00	0.000	20.9	660	0.0	
			S	9:00	0.000	20.9	640	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	640	0.0	
			Well Head	9:00	0.000	20.9	660	0.0	
		S	N	10:30	0.000	20.900	660	0.0	
			S	10:30	0.000	20.900	660	0.0	
			E	10:30	0.000	20.900	640	0.0	
			W	10:30	0.000	20.900	660	0.0	
			Well Head	10:30	0.000	20.900	660	0.0	
			Finish	11:31					
5-Feb-15	Air monitoring was not conducted due to heavy rain at the site.								
6-Feb-15	128		Start	7:32					
		W	N	8:30	0.000	20.9	640	0.0	
			S	8:30	0.000	20.9	640	0.0	
			E	8:30	0.000	20.9	640	0.0	
			W	8:30	0.000	20.9	640	0.0	
			Well Head	8:30	0.000	20.9	660	0.0	
		W	N	10:30	0.000	20.9	640	0.0	
			S	10:30	0.000	20.9	640	0.0	
			E	10:30	0.000	20.9	640	0.0	
			W	10:30	0.000	20.9	640	0.0	
			Well Head	10:30	0.000	20.9	680	0.0	
			Finish	11:03					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
6-Feb-15	130		Start	7:56					
		W	N	8:45	0.000	20.9	640	0.0	
			S	8:45	0.000	20.9	640	0.0	
			E	8:45	0.000	20.9	640	0.0	
			W	8:45	0.000	20.9	640	0.0	
			Well Head	8:45	0.000	20.9	640	0.0	
		W	N	10:45	0.000	20.9	640	0.0	
			S	10:45	0.000	20.9	660	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	660	0.0	
			Well Head	10:45	0.000	20.9	660	0.0	
			Finish	0:00					
9-Feb-15	66		Start	7:47					
		N	N	9:00	0.000	20.9	660	0.0	
			S	9:00	0.000	20.9	660	0.0	
			E	9:00	0.000	20.9	660	0.0	
			W	9:00	0.000	20.9	660	0.0	
			Well Head	9:00	0.000	20.9	660	0.0	
		N	N	11:45	0.000	20.9	660	0.0	
			S	11:45	0.000	20.9	660	0.0	
			E	11:45	0.000	20.9	660	0.0	
			W	11:45	0.000	20.9	660	0.0	
			Well Head	11:45	0.000	20.9	660	0.0	
			Finish	12:36					
9-Feb-15	139		Start	8:07					
		N	N	9:15	0.000	20.9	660	0.0	
			S	9:15	0.000	20.9	660	0.0	
			E	9:15	0.000	20.9	680	0.0	
			W	9:15	0.000	20.9	680	0.0	
			Well Head	9:15	0.000	20.9	680	0.0	
		N	N	12:00	0.000	20.9	680	0.0	
			S	12:00	0.000	20.9	680	0.0	
			E	12:00	0.000	20.9	680	0.0	
			W	12:00	0.000	20.9	680	0.0	
			Well Head	12:00	0.000	20.9	680	0.0	
			Finish	16:50					
9-Feb-15	131		Start	7:54					
		N	N	9:30	0.000	20.9	660	0.0	
			S	9:30	0.000	20.9	660	0.0	
			E	9:30	0.000	20.9	660	0.0	
			W	9:30	0.000	20.9	660	0.0	
			Well Head	9:30	0.000	20.9	700	0.0	
		N	N	12:15	0.000	20.9	640	0.0	
			S	12:15	0.000	20.9	680	0.0	
			E	12:15	0.000	20.9	680	0.0	
			W	12:15	0.000	20.9	660	0.0	
			Well Head	12:15	0.000	20.9	700	0.0	
			Finish	16:59					
10-Feb-15	16		Start	12:38					
		E	N	13:00	0.000	20.9	670	0.0	
			S	13:00	0.000	20.9	670	0.0	
			E	13:00	0.000	20.9	670	0.0	
			W	13:00	0.000	20.9	670	0.0	
			Well Head	13:00	0.000	20.9	700	0.0	
		E	N	14:30	0.000	20.9	670	0.0	
			S	14:30	0.000	20.9	680	0.0	
			E	14:30	0.000	20.9	680	0.0	
			W	14:30	0.000	20.9	670	0.0	
			Well Head	14:30	0.000	20.9	720	0.0	
			Finish	16:48					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
10-Feb-15	133		Start	8:19					
		E	N	13:15	0.000	20.9	680	0.0	
			S	13:15	0.000	20.9	690	0.0	
			E	13:15	0.000	20.9	690	0.0	
			W	13:15	0.000	20.9	680	0.0	
			Well Head	13:15	0.000	20.9	680	0.0	
		E	N	14:45	0.000	20.9	680	0.0	
			S	14:45	0.000	20.9	680	0.0	
			E	14:45	0.000	20.9	680	0.0	
			W	14:45	0.000	20.9	680	0.0	
			Well Head	14:45	0.000	20.9	680	0.0	
			Finish	0:00					
10-Feb-15	134		Start	8:18					
		N	N	13:30	0.000	20.9	670	0.0	
			S	13:30	0.000	20.9	670	0.0	
			E	13:30	0.000	20.9	670	0.0	
			W	13:30	0.000	20.9	680	0.0	
			Well Head	13:30	0.000	20.9	680	0.0	
		N	N	15:00	0.000	20.9	670	0.0	
			S	15:00	0.000	20.9	670	0.0	
			E	15:00	0.000	20.9	670	0.0	
			W	15:00	0.000	20.9	670	0.0	
			Well Head	15:00	0.000	20.9	680	0.0	
			Finish	0:00					
11-Feb-15	43		Start	0:00					
		S	N	10:15	0.000	20.9	690	0.0	
			S	10:15	0.000	20.9	690	0.0	
			E	10:15	0.000	20.9	690	0.0	
			W	10:15	0.000	20.9	690	0.0	
			Well Head	10:15	0.000	20.9	720	0.0	
		S	N	13:15	0.000	20.9	680	0.0	
			S	13:15	0.000	20.9	680	0.0	
			E	13:15	0.000	20.9	690	0.0	
			W	13:15	0.000	20.9	690	0.0	
			Well Head	13:15	0.000	20.9	700	0.0	
			Finish	0:00					
11-Feb-15	53		Start	7:38					
		S	N	10:30	0.000	20.9	680	0.0	
			S	10:30	0.000	20.9	680	0.0	
			E	10:30	0.000	20.9	680	0.0	
			W	10:30	0.000	20.9	680	0.0	
			Well Head	10:30	0.000	20.9	680	0.0	
		S	N	13:30	0.000	20.9	680	0.0	
			S	13:30	0.000	20.9	680	0.0	
			E	13:30	0.000	20.9	660	0.0	
			W	13:30	0.000	20.9	660	0.0	
			Well Head	13:30	0.000	20.9	670	0.0	
			Finish	17:20					
11-Feb-15	60		Start	0:00					
		S	N	10:45	0.000	20.9	660	0.0	
			S	10:45	0.000	20.9	660	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	640	0.0	
			Well Head	10:45	0.000	20.9	660	0.0	
		S	N	13:45	0.000	20.9	660	0.0	
			S	13:45	0.000	20.9	660	0.0	
			E	13:45	0.000	20.9	660	0.0	
			W	13:45	0.000	20.9	660	0.0	
			Well Head	13:45	0.000	20.9	660	0.0	
			Finish	0:00					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
12-Feb-15	67		Start	7:46					
		E	N	9:00	0.000	20.9	660	0.0	
			S	9:00	0.000	20.9	660	0.0	
			E	9:00	0.000	20.9	660	0.0	
			W	9:00	0.000	20.9	660	0.0	
			Well Head	9:00	0.000	20.9	660	0.0	
		E	N	11:45	0.000	20.9	660	0.0	
			S	11:45	0.000	20.9	640	0.0	
			E	11:45	0.000	20.9	640	0.0	
			W	11:45	0.000	20.9	660	0.0	
			Well Head	11:45	0.000	20.9	660	0.0	
			Finish	13:12					
12-Feb-15	89		Start	8:07					
		E	N	9:15	0.000	20.9	640	0.0	
			S	9:15	0.000	20.9	640	0.0	
			E	9:15	0.000	20.9	640	0.0	
			W	9:15	0.000	20.9	640	0.0	
			Well Head	9:15	0.000	20.9	640	0.0	
		E	N	12:00	0.000	20.9	640	0.0	
			S	12:00	0.000	20.9	660	0.0	
			E	12:00	0.000	20.9	660	0.0	
			W	12:00	0.000	20.9	640	0.0	
			Well Head	12:00	0.000	20.9	660	0.0	
			Finish	13:01					
12-Feb-15	97		Start	8:06					
		E	N	9:30	0.000	20.9	660	0.0	
			S	9:30	0.000	20.9	660	0.0	
			E	9:30	0.000	20.9	660	0.0	
			W	9:30	0.000	20.9	640	0.0	
			Well Head	9:30	0.000	20.9	660	0.0	
		E	N	12:15	0.000	20.9	660	0.0	
			S	12:15	0.000	20.9	640	0.0	
			E	12:15	0.000	20.9	640	0.0	
			W	12:15	0.000	20.9	660	0.0	
			Well Head	12:15	0.000	20.9	660	0.0	
			Finish	16:56					
13-Feb-15	135		Start	7:57					
		S	N	8:45	0.000	20.9	660	0.0	
			S	8:45	0.000	20.9	660	0.0	
			E	8:45	0.000	20.9	660	0.0	
			W	8:45	0.000	20.9	660	0.0	
			Well Head	8:45	0.000	20.9	660	0.0	
		S	N	10:00	0.000	20.900	660	0.0	
			S	10:00	0.000	20.900	660	0.0	
			E	10:00	0.000	20.900	660	0.0	
			W	10:00	0.000	20.900	660	0.0	
			Well Head	10:00	0.000	20.900	680	0.0	
			Finish	11:08					
13-Feb-15	138		Start	7:58					
		S	N	9:15	0.000	20.9	660	0.0	
			S	9:15	0.000	20.9	660	0.0	
			E	9:15	0.000	20.9	670	0.0	
			W	9:15	0.000	20.9	670	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
		S	N	10:30	0.000	20.9	660	0.0	
			S	10:30	0.000	20.9	660	0.0	
			E	10:30	0.000	20.9	680	0.0	
			W	10:30	0.000	20.9	680	0.0	
			Well Head	10:30	0.000	20.9	680	0.0	
			Finish	11:11					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
13-Feb-15	143		Start	8:01					
		S	N	9:15	0.000	20.9	660	0.0	
			S	9:15	0.000	20.9	660	0.0	
			E	9:15	0.000	20.9	660	0.0	
			W	9:15	0.000	20.9	660	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
		S	N	10:30	0.000	20.9	660	0.0	
			S	10:30	0.000	20.9	640	0.0	
			E	10:30	0.000	20.9	640	0.0	
			W	10:30	0.000	20.9	660	0.0	
			Well Head	10:30	0.000	20.9	660	0.0	
			Finish	11:12					
17-Feb-15			Air monitoring was not conducted due to heavy rain at the site.						
18-Feb-15	8		Start	8:10					
		E	N	10:45	0.000	20.9	640	0.0	
			S	10:45	0.000	20.9	640	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	640	0.0	
			Well Head	10:45	0.000	20.9	640	0.0	
		E	N	13:00	0.000	20.9	640	0.0	
			S	13:00	0.000	20.9	640	0.0	
			E	13:00	0.000	20.9	640	0.0	
			W	13:00	0.000	20.9	640	0.0	
			Well Head	13:00	0.000	20.9	640	0.0	
			Finish	17:12					
18-Feb-15	10		Start	8:11					
		E	N	11:00	0.000	20.9	640	0.0	
			S	11:00	0.000	20.9	640	0.0	
			E	11:00	0.000	20.9	640	0.0	
			W	11:00	0.000	20.9	640	0.0	
			Well Head	11:00	0.000	20.9	640	0.0	
		E	N	13:15	0.000	20.9	640	0.0	
			S	13:15	0.000	20.9	640	0.0	
			E	13:15	0.000	20.9	640	0.0	
			W	13:15	0.000	20.9	640	0.0	
			Well Head	13:15	0.000	20.9	640	0.0	
			Finish	17:12					
18-Feb-15	15		Start	8:33					
		E	N	11:15	0.000	20.9	640	0.0	
			S	11:15	0.000	20.9	640	0.0	
			E	11:15	0.000	20.9	660	0.0	
			W	11:15	0.000	20.9	640	0.0	
			Well Head	11:15	0.000	20.9	680	0.0	
		E	N	13:30	0.000	20.9	640	0.0	
			S	13:30	0.000	20.9	640	0.0	
			E	13:30	0.000	20.9	660	0.0	
			W	13:30	0.000	20.9	660	0.0	
			Well Head	13:30	0.000	20.9	680	0.0	
			Finish	17:05					
19-Feb-15	17		Start	12:32					
		E	N	13:30	0.000	20.9	640	0.0	
			S	13:30	0.000	20.9	640	0.0	
			E	13:30	0.000	20.9	640	0.0	
			W	13:30	0.000	20.9	640	0.0	
			Well Head	13:30	0.000	20.9	640	0.0	
		E	N	16:00	0.000	20.9	640	0.0	
			S	16:00	0.000	20.9	640	0.0	
			E	16:00	0.000	20.9	640	0.0	
			W	16:00	0.000	20.9	640	0.0	
			Well Head	16:00	0.000	20.9	640	0.0	
			Finish	17:00					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
19-Feb-15	87		Start	8:02					
		E	N	9:00	0.000	20.9	640	0.0	
			S	9:00	0.000	20.9	640	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	640	0.0	
			Well Head	9:00	0.000	20.9	640	0.0	
		E	N	15:45	0.000	20.9	640	0.0	
			S	15:45	0.000	20.9	640	0.0	
			E	15:45	0.000	20.9	640	0.0	
			W	15:45	0.000	20.9	640	0.0	
			Well Head	15:45	0.000	20.9	640	0.0	
			Finish	17:01					
19-Feb-15	101		Start	7:55					
		E	N	9:00	0.000	20.9	640	0.0	
			S	9:00	0.000	20.9	640	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	640	0.0	
			Well Head	9:00	0.000	20.9	660	0.0	
		E	N	10:45	0.000	20.9	640	0.0	
			S	10:45	0.000	20.9	640	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	660	0.0	
			Well Head	10:45	0.000	20.9	660	0.0	
			Finish	12:42					
20-Feb-15	127		Start	8:17					
		W	N	11:00	0.000	20.9	640	0.0	
			S	11:00	0.000	20.9	640	0.0	
			E	11:00	0.000	20.9	640	0.0	
			W	11:00	0.000	20.9	640	0.0	
			Well Head	11:00	0.000	20.9	640	0.0	
		W	N	14:00	0.000	20.9	640	0.0	
			S	14:00	0.000	20.9	640	0.0	
			E	14:00	0.000	20.9	640	0.0	
			W	14:00	0.000	20.9	640	0.0	
			Well Head	14:00	0.000	20.9	660	0.0	
			Finish	16:51					
20-Feb-15	131		Start	8:10					
		W	N	11:15	0.000	20.9	640	0.0	
			S	11:15	0.000	20.9	640	0.0	
			E	11:15	0.000	20.9	640	0.0	
			W	11:15	0.000	20.9	640	0.0	
			Well Head	11:15	0.000	20.9	660	0.0	
		W	N	14:15	0.000	20.9	640	0.0	
			S	14:15	0.000	20.9	640	0.0	
			E	14:15	0.000	20.9	660	0.0	
			W	14:15	0.000	20.9	660	0.0	
			Well Head	14:15	0.000	20.9	660	0.0	
			Finish	16:49					
20-Feb-15	141		Start	8:23					
		W	N	10:45	0.000	20.9	660	0.0	
			S	10:45	0.000	20.9	660	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	640	0.0	
			Well Head	10:45	0.000	20.9	660	0.0	
		W	N	15:15	0.000	20.9	640	0.0	
			S	15:15	0.000	20.9	660	0.0	
			E	15:15	0.000	20.9	640	0.0	
			W	15:15	0.000	20.9	660	0.0	
			Well Head	15:15	0.000	20.9	660	0.0	
			Finish	16:57					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments	
23-Feb-15	61		Start	7:49						
		E	N	9:15	0.000	20.9	660	0.0		
			S	9:15	0.000	20.9	660	0.0		
			E	9:15	0.000	20.9	680	0.0		
			W	9:15	0.000	20.9	660	0.0		
			Well Head	9:15	0.000	20.9	700	0.0		
		E	N	11:30	0.000	20.9	660	0.0		
			S	11:30	0.000	20.9	660	0.0		
			E	11:30	0.000	20.9	660	0.0		
			W	11:30	0.000	20.9	660	0.0		
			Well Head	11:30	0.000	20.9	700	0.0		
			Finish	13:45						
23-Feb-15	72		Start	7:54						
		E	N	9:30	0.000	20.9	660	0.0		
			S	9:30	0.000	20.9	680	0.0		
			E	9:30	0.000	20.9	660	0.0		
			W	9:30	0.000	20.9	680	0.0		
			Well Head	9:30	0.000	20.9	680	0.0		
		E	N	11:45	0.000	20.9	660	0.0		
			S	11:45	0.000	20.9	680	0.0		
			E	11:45	0.000	20.9	680	0.0		
			W	11:45	0.000	20.9	680	0.0		
			Well Head	11:45	0.000	20.9	700	0.0		
			Finish	17:14						
23-Feb-15	127		Start	8:17						
		W	N	9:45	0.000	20.9	660	0.0		
			S	9:45	0.000	20.9	660	0.0		
			E	9:45	0.000	20.9	660	0.0		
			W	9:45	0.000	20.9	660	0.0		
			Well Head	9:45	0.000	20.9	660	0.0		
		W	N	12:00	0.000	20.9	660	0.0		
			S	12:00	0.000	20.9	660	0.0		
			E	12:00	0.000	20.9	660	0.0		
			W	12:00	0.000	20.9	660	0.0		
			Well Head	12:00	0.000	20.9	660	0.0		
			Finish	16:51						
24-Feb-15			Air monitoring was not conducted due to heavy rain at the site.							
25-Feb-15	2		Start	7:58						
		W	N	9:00	0.000	20.9	680	0.0		
			S	9:00	0.000	20.9	680	0.0		
			E	9:00	0.000	20.9	660	0.0		
			W	9:00	0.000	20.9	680	0.0		
			Well Head	9:00	0.000	20.9	680	0.0		
		W	N	11:00	0.000	20.9	680	0.0		
			S	11:00	0.000	20.9	680	0.0		
			E	11:00	0.000	20.9	660	0.0		
			W	11:00	0.000	20.9	660	0.0		
			Well Head	11:00	0.000	20.9	720	0.0		
			Finish	12:35						
25-Feb-15	34		Start	8:23						
		W	N	9:15	0.000	20.9	660	0.0		
			S	9:15	0.000	20.9	660	0.0		
			E	9:15	0.000	20.9	680	0.0		
			W	9:15	0.000	20.9	680	0.0		
			Well Head	9:15	0.000	20.9	680	0.0		
		W	N	11:15	0.000	20.9	690	0.0		
			S	11:15	0.000	20.9	680	0.0		
			E	11:15	0.000	20.9	680	0.0		
			W	11:15	0.000	20.9	660	0.0		
			Well Head	11:15	0.000	20.9	700	0.0		
			Finish	16:57						

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
25-Feb-15	52		Start	7:49					
		W	N	9:30	0.000	20.9	680	0.0	
			S	9:30	0.000	20.9	680	0.0	
			E	9:30	0.000	20.9	680	0.0	
			W	9:30	0.000	20.9	700	0.0	
			Well Head	9:30	0.000	20.9	690	0.0	
		W	N	11:30	0.000	20.9	680	0.0	
			S	11:30	0.000	20.9	690	0.0	
			E	11:30	0.000	20.9	700	0.0	
			W	11:30	0.000	20.9	690	0.0	
			Well Head	11:30	0.000	20.9	700	0.0	
			Finish	16:45					
26-Feb-15	18		Start	8:02					
		E	N	9:15	0.000	20.9	640	0.0	
			S	9:15	0.000	20.9	640	0.0	
			E	9:15	0.000	20.9	640	0.0	
			W	9:15	0.000	20.9	640	0.0	
			Well Head	9:15	0.000	20.9	680	0.0	
		E	N	11:15	0.000	20.9	640	0.0	
			S	11:15	0.000	20.9	640	0.0	
			E	11:15	0.000	20.9	640	0.0	
			W	11:15	0.000	20.9	640	0.0	
			Well Head	11:15	0.000	20.9	680	0.0	
			Finish	13:12					
26-Feb-15	101		Start	8:17					
		E	N	9:30	0.000	20.9	640	0.0	
			S	9:30	0.000	20.9	640	0.0	
			E	9:30	0.000	20.9	660	0.0	
			W	9:30	0.000	20.9	640	0.0	
			Well Head	9:30	0.000	20.9	660	0.0	
		E	N	11:30	0.000	20.9	640	0.0	
			S	11:30	0.000	20.9	640	0.0	
			E	11:30	0.000	20.9	660	0.0	
			W	11:30	0.000	20.9	660	0.0	
			Well Head	11:30	0.000	20.9	660	0.0	
			Finish	16:51					
27-Feb-15	62		Start	7:42					
		S	N	9:00	0.000	20.9	630	0.0	
			S	9:00	0.000	20.9	630	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	640	0.0	
			Well Head	9:00	0.000	20.9	640	0.0	
		S	N	10:00	0.000	20.9	640	0.0	
			S	10:00	0.000	20.9	630	0.0	
			E	10:00	0.000	20.9	630	0.0	
			W	10:00	0.000	20.9	630	0.0	
			Well Head	10:00	0.000	20.9	630	0.0	
			Finish	10:12					
27-Feb-15	112		Start	7:45					
		S	N	9:15	0.000	20.9	630	0.0	
			S	9:15	0.000	20.9	630	0.0	
			E	9:15	0.000	20.9	640	0.0	
			W	9:15	0.000	20.9	640	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
		S	N	10:15	0.000	20.9	630	0.0	
			S	10:15	0.000	20.9	630	0.0	
			E	10:15	0.000	20.9	640	0.0	
			W	10:15	0.000	20.9	640	0.0	
			Well Head	10:15	0.000	20.9	640	0.0	
			Finish	10:19					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
2-Mar-15	11		Start	7:59					
		E	N	9:00	0.000	20.9	630	0.0	
			S	9:00	0.000	20.9	630	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	640	0.0	
			Well Head	9:00	0.000	20.9	640	0.0	
		E	N	10:00	0.000	20.9	640	0.0	
			S	10:00	0.000	20.9	630	0.0	
			E	10:00	0.000	20.9	630	0.0	
			W	10:00	0.000	20.9	630	0.0	
			Well Head	10:00	0.000	20.9	630	0.0	
			Finish	16:57					
2-Mar-15	37		Start	8:32					
		E	N	9:15	0.000	20.9	630	0.0	
			S	9:15	0.000	20.9	630	0.0	
			E	9:15	0.000	20.9	640	0.0	
			W	9:15	0.000	20.9	640	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
		E	N	10:15	0.000	20.9	630	0.0	
			S	10:15	0.000	20.9	630	0.0	
			E	10:15	0.000	20.9	640	0.0	
			W	10:15	0.000	20.9	640	0.0	
			Well Head	10:15	0.000	20.9	640	0.0	
			Finish	16:49					
2-Mar-15	15		Start	8:08					
		E	N	9:30	0.000	20.9	640	0.0	
			S	9:30	0.000	20.9	640	0.0	
			E	9:30	0.000	20.9	640	0.0	
			W	9:30	0.000	20.9	640	0.0	
			Well Head	9:30	0.000	20.9	660	0.0	
		E	N	10:30	0.000	20.9	640	0.0	
			S	10:30	0.000	20.9	640	0.0	
			E	10:30	0.000	20.9	640	0.0	
			W	10:30	0.000	20.9	640	0.0	
			Well Head	10:30	0.000	20.9	680	0.0	
			Finish	16:40					
3-Mar-15	19		Start	8:08					
		S	N	9:00	0.000	20.9	630	0.0	
			S	9:00	0.000	20.9	640	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	630	0.0	
			Well Head	9:00	0.000	20.9	680	0.0	
		S	N	10:00	0.000	20.9	640	0.0	
			S	10:00	0.000	20.9	640	0.0	
			E	10:00	0.000	20.9	640	0.0	
			W	10:00	0.000	20.9	640	0.0	
			Well Head	10:00	0.000	20.9	680	0.0	
			Finish	12:35					
3-Mar-15	47		Start	7:54					
		S	N	9:15	0.000	20.9	630	0.0	
			S	9:15	0.000	20.9	640	0.0	
			E	9:15	0.000	20.9	640	0.0	
			W	9:15	0.000	20.9	640	0.0	
			Well Head	9:15	0.000	20.9	640	0.0	
		S	N	10:15	0.000	20.9	630	0.0	
			S	10:15	0.000	20.9	630	0.0	
			E	10:15	0.000	20.9	630	0.0	
			W	10:15	0.000	20.9	630	0.0	
			Well Head	10:15	0.000	20.9	640	0.0	
			Finish	17:06					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
3-Mar-15	52		Start	8:09					
		S	N	9:30	0.000	20.9	620	0.0	
			S	9:30	0.000	20.9	620	0.0	
			E	9:30	0.000	20.9	620	0.0	
			W	9:30	0.000	20.9	620	0.0	
			Well Head	9:30	0.000	20.9	630	0.0	
		S	N	10:30	0.000	20.9	630	0.0	
			S	10:30	0.000	20.9	630	0.0	
			E	10:30	0.000	20.9	630	0.0	
			W	10:30	0.000	20.9	630	0.0	
			Well Head	10:30	0.000	20.9	630	0.0	
			Finish	17:20					
4-Mar-15	5		Start	7:40					
		N	N	8:15	0.000	20.9	640	0.0	
			S	8:15	0.000	20.9	640	0.0	
			E	8:15	0.000	20.9	640	0.0	
			W	8:15	0.000	20.9	640	0.0	
			Well Head	8:15	0.000	20.9	640	0.0	
		N	N	12:30	0.000	20.9	640	0.0	
			S	12:30	0.000	20.9	640	0.0	
			E	12:30	0.000	20.9	660	0.0	
			W	12:30	0.000	20.9	640	0.0	
			Well Head	12:30	0.000	20.9	640	0.0	
			Finish	17:01					
4-Mar-15	27		Start	7:43					
		N	N	8:30	0.000	20.9	640	0.0	
			S	8:30	0.000	20.9	640	0.0	
			E	8:30	0.000	20.9	640	0.0	
			W	8:30	0.000	20.9	640	0.0	
			Well Head	8:30	0.000	20.9	660	0.0	
		N	N	12:45	0.000	20.9	640	0.0	
			S	12:45	0.000	20.9	640	0.0	
			E	12:45	0.000	20.9	640	0.0	
			W	12:45	0.000	20.9	640	0.0	
			Well Head	12:45	0.000	20.9	680	0.0	
			Finish	17:10					
4-Mar-15	30		Start	7:40					
		N	N	9:00	0.000	20.9	630	0.0	
			S	9:00	0.000	20.9	630	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	640	0.0	
			Well Head	9:00	0.000	20.9	640	0.0	
		N	N	10:00	0.000	20.9	640	0.0	
			S	10:00	0.000	20.9	630	0.0	
			E	10:00	0.000	20.9	630	0.0	
			W	10:00	0.000	20.9	630	0.0	
			Well Head	10:00	0.000	20.9	630	0.0	
			Finish	17:09					
5-Mar-15	28		Start	7:58					
		N	N	9:15	0.000	20.9	700	0.0	
			S	9:15	0.000	20.9	700	0.0	
			E	9:15	0.000	20.9	700	0.0	
			W	9:15	0.000	20.9	700	0.0	
			Well Head	9:15	0.000	20.9	700	0.0	
		N	N	10:30	0.000	20.9	700	0.0	
			S	10:30	0.000	20.9	700	0.0	
			E	10:30	0.000	20.9	700	0.0	
			W	10:30	0.000	20.9	700	0.0	
			Well Head	10:30	0.000	20.9	700	0.0	
			Finish	12:46					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
5-Mar-15	6		Start	7:58					
		N	N	9:30	0.000	20.9	700	0.0	
			S	9:30	0.000	20.9	700	0.0	
			E	9:30	0.000	20.9	720	0.0	
			W	9:30	0.000	20.9	720	0.0	
			Well Head	9:30	0.000	20.9	700	0.0	
		N	N	10:45	0.000	20.9	700	0.0	
			S	10:45	0.000	20.9	700	0.0	
			E	10:45	0.000	20.9	690	0.0	
			W	10:45	0.000	20.9	690	0.0	
			Well Head	10:45	0.000	20.9	700	0.0	
			Finish	17:01					
5-Mar-15	51		Start	7:52					
		N	N	9:45	0.000	20.9	690	0.0	
			S	9:45	0.000	20.9	700	0.0	
			E	9:45	0.000	20.9	700	0.0	
			W	9:45	0.000	20.9	690	0.0	
			Well Head	9:45	0.000	20.9	690	0.0	
		N	N	11:00	0.000	20.9	700	0.0	
			S	11:00	0.000	20.9	700	0.0	
			E	11:00	0.000	20.9	700	0.0	
			W	11:00	0.000	20.9	690	0.0	
			Well Head	11:00	0.000	20.9	700	0.0	
			Finish	17:01					
6-Mar-15	20		Start	7:40					
		S	N	8:30	0.000	20.9	720	0.0	
			S	8:30	0.000	20.9	720	0.0	
			E	8:30	0.000	20.9	720	0.0	
			W	8:30	0.000	20.9	720	0.0	
			Well Head	8:30	0.000	20.9	720	0.0	
		S	N	9:15	0.000	20.9	720	0.0	
			S	9:15	0.000	20.9	730	0.0	
			E	9:15	0.000	20.9	720	0.0	
			W	9:15	0.000	20.9	720	0.0	
			Well Head	9:15	0.000	20.9	720	0.0	
			Finish	11:08					
6-Mar-15	29		Start	7:42					
		S	N	8:45	0.000	20.9	720	0.0	
			S	8:45	0.000	20.9	720	0.0	
			E	8:45	0.000	20.9	720	0.0	
			W	8:45	0.000	20.9	700	0.0	
			Well Head	8:45	0.000	20.9	720	0.0	
		S	N	9:30	0.000	20.9	720	0.0	
			S	9:30	0.000	20.9	720	0.0	
			E	9:30	0.000	20.9	720	0.0	
			W	9:30	0.000	20.9	720	0.0	
			Well Head	9:30	0.000	20.9	720	0.0	
			Finish	11:05					
9-Mar-15	29		Start	8:11					
		W	N	9:00	0.000	20.9	680	0.0	
			S	9:00	0.000	20.9	660	0.0	
			E	9:00	0.000	20.9	660	0.0	
			W	9:00	0.000	20.9	660	0.0	
			Well Head	9:00	0.000	20.9	660	0.0	
		W	N	11:00	0.000	20.9	680	0.0	
			S	11:00	0.000	20.9	680	0.0	
			E	11:00	0.000	20.9	680	0.0	
			W	11:00	0.000	20.9	660	0.0	
			Well Head	11:00	0.000	20.9	680	0.0	
			Finish	12:38					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
9-Mar-15	12		Start	7:57					
		W	N	8:45	0.000	20.9	680	0.0	
			S	8:45	0.000	20.9	680	0.0	
			E	8:45	0.000	20.9	680	0.0	
			W	8:45	0.000	20.9	660	0.0	
			Well Head	8:45	0.000	20.9	680	0.0	
		W	N	10:45	0.000	20.9	680	0.0	
			S	10:45	0.000	20.9	680	0.0	
			E	10:45	0.000	20.9	660	0.0	
			W	10:45	0.000	20.9	660	0.0	
			Well Head	10:45	0.000	20.9	680	0.0	
			Finish	12:27					
9-Mar-15	38		Start	8:00					
		W	N	9:15	0.000	20.9	680	0.0	
			S	9:15	0.000	20.9	660	0.0	
			E	9:15	0.000	20.9	680	0.0	
			W	9:15	0.000	20.9	680	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
		W	N	11:15	0.000	20.9	680	0.0	
			S	11:15	0.000	20.9	680	0.0	
			E	11:15	0.000	20.9	680	0.0	
			W	11:15	0.000	20.9	660	0.0	
			Well Head	11:15	0.000	20.9	680	0.0	
			Finish	12:15					
10-Mar-15	21		Start	13:07					
		W	N	14:45	0.000	20.9	680	0.0	
			S	14:45	0.000	20.9	670	0.0	
			E	14:45	0.000	20.9	670	0.0	
			W	14:45	0.000	20.9	680	0.0	
			Well Head	14:45	0.000	20.9	690	0.0	
		W	N	16:45	0.000	20.9	680	0.0	
			S	16:45	0.000	20.9	680	0.0	
			E	16:45	0.000	20.9	680	0.0	
			W	16:45	0.000	20.9	690	0.0	
			Well Head	16:45	0.000	20.9	690	0.0	
			Finish	18:15					
10-Mar-15	22		Start	8:16					
		W	N	9:45	0.000	20.9	690	0.0	
			S	9:45	0.000	20.9	690	0.0	
			E	9:45	0.000	20.9	690	0.0	
			W	9:45	0.000	20.9	690	0.0	
			Well Head	9:45	0.000	20.9	700	0.0	
		W	N	10:45	0.000	20.9	690	0.0	
			S	10:45	0.000	20.9	700	0.0	
			E	10:45	0.000	20.9	700	0.0	
			W	10:45	0.000	20.9	690	0.0	
			Well Head	10:45	0.000	20.9	700	0.0	
			Finish	13:02					
10-Mar-15	35		Start	8:37					
		W	N	10:00	0.000	20.9	690	0.0	
			S	10:00	0.000	20.9	690	0.0	
			E	10:00	0.000	20.9	700	0.0	
			W	10:00	0.000	20.9	700	0.0	
			Well Head	10:00	0.000	20.9	700	0.0	
		W	N	11:00	0.000	20.9	700	0.0	
			S	11:00	0.000	20.9	700	0.0	
			E	11:00	0.000	20.9	690	0.0	
			W	11:00	0.000	20.9	690	0.0	
			Well Head	11:00	0.000	20.9	700	0.0	
			Finish	13:23					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
11-Mar-15	14		Start	12:12					
		W	N	14:15	0.000	20.9	680	0.0	
			S	14:15	0.000	20.9	680	0.0	
			E	14:15	0.000	20.9	680	0.0	
			W	14:15	0.000	20.9	680	0.0	
			Well Head	14:15	0.000	20.9	680	0.0	
		W	N	15:30	0.000	20.9	680	0.0	
			S	15:30	0.000	20.9	680	0.0	
			E	15:30	0.000	20.9	680	0.0	
			W	15:30	0.000	20.9	680	0.0	
			Well Head	15:30	0.000	20.9	680	0.0	
			Finish	17:51					
11-Mar-15	64		Start	8:03					
		W	N	14:30	0.000	20.9	680	0.0	
			S	14:30	0.000	20.9	680	0.0	
			E	14:30	0.000	20.9	680	0.0	
			W	14:30	0.000	20.9	680	0.0	
			Well Head	14:30	0.000	20.9	680	0.0	
		W	N	15:45	0.000	20.9	680	0.0	
			S	15:45	0.000	20.9	680	0.0	
			E	15:45	0.000	20.9	680	0.0	
			W	15:45	0.000	20.9	680	0.0	
			Well Head	15:45	0.000	20.9	680	0.0	
			Finish	18:04					
11-Mar-15	102		Start	8:18					
		W	N	14:45	0.000	20.9	680	0.0	
			S	14:45	0.000	20.9	670	0.0	
			E	14:45	0.000	20.9	670	0.0	
			W	14:45	0.000	20.9	680	0.0	
			Well Head	14:45	0.000	20.9	690	0.0	
		W	N	16:00	0.000	20.9	680	0.0	
			S	16:00	0.000	20.9	680	0.0	
			E	16:00	0.000	20.9	680	0.0	
			W	16:00	0.000	20.9	690	0.0	
			Well Head	16:00	0.000	20.9	690	0.0	
			Finish	17:56					
12-Mar-15	104		Start	8:02					
		W	N	9:45	0.000	20.9	660	0.0	
			S	9:45	0.000	20.9	660	0.0	
			E	9:45	0.000	20.9	670	0.0	
			W	9:45	0.000	20.9	660	0.0	
			Well Head	9:45	0.000	20.9	660	0.0	
		W	N	11:00	0.000	20.9	670	0.0	
			S	11:00	0.000	20.9	670	0.0	
			E	11:00	0.000	20.9	670	0.0	
			W	11:00	0.000	20.9	670	0.0	
			Well Head	11:00	0.000	20.9	670	0.0	
			Finish	10:42					
12-Mar-15	110		Start	7:53					
		W	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	670	0.0	
			E	10:00	0.000	20.9	670	0.0	
			W	10:00	0.000	20.9	660	0.0	
			Well Head	10:00	0.000	20.9	680	0.0	
		W	N	11:15	0.000	20.9	670	0.0	
			S	11:15	0.000	20.9	660	0.0	
			E	11:15	0.000	20.9	660	0.0	
			W	11:15	0.000	20.9	670	0.0	
			Well Head	11:15	0.000	20.9	670	0.0	
			Finish	17:45					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
13-Mar-15			Air monitoring was not conducted due to heavy rain at the site.						
16-Mar-15	51		Start	11:20					
		N	N	11:30	0.000	20.9	680	0.0	
			S	11:30	0.000	20.9	680	0.0	
			E	11:30	0.000	20.9	680	0.0	
			W	11:30	0.000	20.9	660	0.0	
			Well Head	11:30	0.000	20.9	660	0.0	
		N	N	14:00	0.000	20.9	660	0.0	
			S	14:00	0.000	20.9	660	0.0	
			E	14:00	0.000	20.9	680	0.0	
			W	14:00	0.000	20.9	670	0.0	
			Well Head	14:00	0.000	20.9	680	0.0	
			Finish	17:22					
16-Mar-15	57		Start	7:45					
		N	N	9:00	0.000	20.9	680	0.0	
			S	9:00	0.000	20.9	670	0.0	
			E	9:00	0.000	20.9	670	0.0	
			W	9:00	0.000	20.9	670	0.0	
			Well Head	9:00	0.000	20.9	660	0.0	
		N	N	11:15	0.000	20.9	660	0.0	
			S	11:15	0.000	20.9	670	0.0	
			E	11:15	0.000	20.9	670	0.0	
			W	11:15	0.000	20.9	670	0.0	
			Well Head	11:15	0.000	20.9	680	0.0	
			Finish	13:02					
16-Mar-15	102		Start	7:49					
		N	N	9:15	0.000	20.9	670	0.0	
			S	9:15	0.000	20.9	670	0.0	
			E	9:15	0.000	20.9	670	0.0	
			W	9:15	0.000	20.9	670	0.0	
			Well Head	9:15	0.000	20.9	680	0.0	
		N	N	11:45	0.000	20.9	680	0.0	
			S	11:45	0.000	20.9	680	0.0	
			E	11:45	0.000	20.9	680	0.0	
			W	11:45	0.000	20.9	670	0.0	
			Well Head	11:45	0.000	20.9	680	0.0	
			Finish	17:29					
17-Mar-15	43		Start	8:04					
		E	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	660	0.0	
			E	10:00	0.000	20.9	660	0.0	
			W	10:00	0.000	20.9	660	0.0	
			Well Head	10:00	0.000	20.9	660	0.0	
		E	N	13:30	0.000	20.9	660	0.0	
			S	13:30	0.000	20.9	660	0.0	
			E	13:30	0.000	20.9	670	0.0	
			W	13:30	0.000	20.9	660	0.0	
			Well Head	13:30	0.000	20.9	670	0.0	
			Finish	17:51					
17-Mar-15	121		Start	8:22					
		E	N	10:15	0.000	20.9	660	0.0	
			S	10:15	0.000	20.9	660	0.0	
			E	10:15	0.000	20.9	660	0.0	
			W	10:15	0.000	20.9	660	0.0	
			Well Head	10:15	0.000	20.9	660	0.0	
		E	N	13:45	0.000	20.9	660	0.0	
			S	13:45	0.000	20.9	660	0.0	
			E	13:45	0.000	20.9	660	0.0	
			W	13:45	0.000	20.9	660	0.0	
			Well Head	13:45	0.000	20.9	660	0.0	
			Finish	17:47					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
18-Mar-15	57		Start	7:52					
		E	N	8:45	0.000	20.9	640	0.0	
			S	8:45	0.000	20.9	640	0.0	
			E	8:45	0.000	20.9	640	0.0	
			W	8:45	0.000	20.9	660	0.0	
			Well Head	8:45	0.000	20.9	660	0.0	
		E	N	13:30	0.000	20.9	640	0.0	
			S	13:30	0.000	20.9	640	0.0	
			E	13:30	0.000	20.9	640	0.0	
			W	13:30	0.000	20.9	640	0.0	
			Well Head	13:30	0.000	20.9	640	0.0	
			Finish	16:16					
18-Mar-15	103		Start	7:53					
		E	N	9:00	0.000	20.9	640	0.0	
			S	9:00	0.000	20.9	640	0.0	
			E	9:00	0.000	20.9	640	0.0	
			W	9:00	0.000	20.9	640	0.0	
			Well Head	9:00	0.000	20.9	640	0.0	
		E	N	11:45	0.000	20.9	640	0.0	
			S	11:45	0.000	20.9	660	0.0	
			E	11:45	0.000	20.9	660	0.0	
			W	11:45	0.000	20.9	640	0.0	
			Well Head	11:45	0.000	20.9	640	0.0	
			Finish	11:59					
19-Mar-15	Air monitoring was not conducted due to heavy rain at the site.								
20-Mar-15	53		Start	7:45					
		E	N	8:15	0.000	20.9	640	0.0	
			S	8:15	0.000	20.9	640	0.0	
			E	8:15	0.000	20.9	640	0.0	
			W	8:15	0.000	20.9	640	0.0	
			Well Head	8:15	0.000	20.9	660	0.0	
		E	N	9:15	0.000	20.9	640	0.0	
			S	9:15	0.000	20.9	640	0.0	
			E	9:15	0.000	20.9	660	0.0	
			W	9:15	0.000	20.9	660	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
			Finish	10:59					
20-Mar-15	114		Start	7:52					
		E	N	8:30	0.000	20.9	660	0.0	
			S	8:30	0.000	20.9	640	0.0	
			E	8:30	0.000	20.9	640	0.0	
			W	8:30	0.000	20.9	640	0.0	
			Well Head	8:30	0.000	20.9	660	0.0	
		E	N	9:30	0.000	20.9	640	0.0	
			S	9:30	0.000	20.9	660	0.0	
			E	9:30	0.000	20.9	660	0.0	
			W	9:30	0.000	20.9	640	0.0	
			Well Head	9:30	0.000	20.9	660	0.0	
			Finish	10:27					
23-Mar-15	Air monitoring was not conducted due to heavy rain at the site.								
24-Mar-15	94		Start	8:18					
		W	N	8:30	0.000	20.9	660	0.0	
			S	8:30	0.000	20.9	660	0.0	
			E	8:30	0.000	20.9	660	0.0	
			W	8:30	0.000	20.9	660	0.0	
			Well Head	8:30	0.000	20.9	680	0.0	
		W	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	660	0.0	
			E	10:00	0.000	20.9	660	0.0	
			W	10:00	0.000	20.9	660	0.0	
			Well Head	10:00	0.000	20.9	680	0.0	
			Finish	17:59					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
24-Mar-15	121		Start	7:52					
		W	N	8:45	0.000	20.9	660	0.0	
			S	8:45	0.000	20.9	660	0.0	
			E	8:45	0.000	20.9	680	0.0	
			W	8:45	0.000	20.9	680	0.0	
			Well Head	8:45	0.000	20.9	680	0.0	
		W	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	680	0.0	
			E	10:00	0.000	20.9	660	0.0	
			W	10:00	0.000	20.9	660	0.0	
			Well Head	10:00	0.000	20.9	680	0.0	
			Finish	17:55					
25-Mar-15	42		Start	8:22					
		W	N	11:30	0.000	20.9	660	0.0	
			S	11:30	0.000	20.9	660	0.0	
			E	11:30	0.000	20.9	660	0.0	
			W	11:30	0.000	20.9	660	0.0	
			Well Head	11:30	0.000	20.9	660	0.0	
		W	N	13:00	0.000	20.9	660	0.0	
			S	13:00	0.000	20.9	660	0.0	
			E	13:00	0.000	20.9	680	0.0	
			W	13:00	0.000	20.9	660	0.0	
			Well Head	13:00	0.000	20.9	660	0.0	
			Finish	17:42					
25-Mar-15	43		Start	8:20					
		W	N	11:45	0.000	20.9	660	0.0	
			S	11:45	0.000	20.9	660	0.0	
			E	11:45	0.000	20.9	660	0.0	
			W	11:45	0.000	20.9	660	0.0	
			Well Head	11:45	0.000	20.9	660	0.0	
		W	N	13:15	0.000	20.9	660	0.0	
			S	13:15	0.000	20.9	660	0.0	
			E	13:15	0.000	20.9	680	0.0	
			W	13:15	0.000	20.9	660	0.0	
			Well Head	13:15	0.000	20.9	680	0.0	
			Finish	17:42					
26-Mar-15	60		Start	7:52					
		E	N	9:15	0.000	20.9	660	0.0	
			S	9:15	0.000	20.9	660	0.0	
			E	9:15	0.000	20.9	660	0.0	
			W	9:15	0.000	20.9	660	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
		E	N	11:15	0.000	20.9	660	0.0	
			S	11:15	0.000	20.9	660	0.0	
			E	11:15	0.000	20.9	680	0.0	
			W	11:15	0.000	20.9	680	0.0	
			Well Head	11:15	0.000	20.9	660	0.0	
			Finish	17:55					
26-Mar-15	101		Start	8:11					
		E	N	9:30	0.000	20.9	660	0.0	
			S	9:30	0.000	20.9	670	0.0	
			E	9:30	0.000	20.9	670	0.0	
			W	9:30	0.000	20.9	660	0.0	
			Well Head	9:30	0.000	20.9	680	0.0	
		E	N	11:30	0.000	20.9	670	0.0	
			S	11:30	0.000	20.9	660	0.0	
			E	11:30	0.000	20.9	660	0.0	
			W	11:30	0.000	20.9	670	0.0	
			Well Head	11:30	0.000	20.9	670	0.0	
			Finish	18:01					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
27-Mar-15	114		Start	7:57					
		E	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	660	0.0	
			E	10:00	0.000	20.9	680	0.0	
			W	10:00	0.000	20.9	660	0.0	
			Well Head	10:00	0.000	20.9	660	0.0	
		E	N	11:15	0.000	20.9	680	0.0	
			S	11:15	0.000	20.9	660	0.0	
			E	11:15	0.000	20.9	660	0.0	
			W	11:15	0.000	20.9	680	0.0	
			Well Head	11:15	0.000	20.9	680	0.0	
			Finish	11:50					
27-Mar-15	117		Start	7:58					
		E	N	10:15	0.000	20.9	660	0.0	
			S	10:15	0.000	20.9	660	0.0	
			E	10:15	0.000	20.9	660	0.0	
			W	10:15	0.000	20.9	660	0.0	
			Well Head	10:15	0.000	20.9	660	0.0	
		E	N	11:30	0.000	20.9	660	0.0	
			S	11:30	0.000	20.9	660	0.0	
			E	11:30	0.000	20.9	680	0.0	
			W	11:30	0.000	20.9	660	0.0	
			Well Head	11:30	0.000	20.9	680	0.0	
			Finish	17:42					
28-Mar-15	103		Start	7:52					
		E	N	8:30	0.000	20.9	660	0.0	
			S	8:30	0.000	20.9	640	0.0	
			E	8:30	0.000	20.9	640	0.0	
			W	8:30	0.000	20.9	660	0.0	
			Well Head	8:30	0.000	20.9	660	0.0	
		E	N	10:30	0.000	20.9	660	0.0	
			S	10:30	0.000	20.9	660	0.0	
			E	10:30	0.000	20.9	640	0.0	
			W	10:30	0.000	20.9	660	0.0	
			Well Head	10:30	0.000	20.9	680	0.0	
			Finish	15:00					
28-Mar-15	111		Start	8:00					
		E	N	8:45	0.000	20.9	649	0.0	
			S	8:45	0.000	20.9	640	0.0	
			E	8:45	0.000	20.9	640	0.0	
			W	8:45	0.000	20.9	640	0.0	
			Well Head	8:45	0.000	20.9	660	0.0	
		E	N	10:45	0.000	20.9	640	0.0	
			S	10:45	0.000	20.9	640	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	660	0.0	
			Well Head	10:45	0.000	20.9	660	0.0	
			Finish	16:03					
29-Mar-15	32		Start	7:20					
		S	N	8:00	0.000	20.9	640	0.0	
			S	8:00	0.000	20.9	640	0.0	
			E	8:00	0.000	20.9	640	0.0	
			W	8:00	0.000	20.9	640	0.0	
			Well Head	8:00	0.000	20.9	640	0.0	
		S	N	10:30	0.000	20.9	640	0.0	
			S	10:30	0.000	20.9	640	0.0	
			E	10:30	0.000	20.9	660	0.0	
			W	10:30	0.000	20.9	660	0.0	
			Well Head	10:30	0.000	20.9	660	0.0	
			Finish	11:50					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
29-Mar-15	118		Start	7:32					
		S	N	8:15	0.000	20.9	640	0.0	
			S	8:15	0.000	20.9	640	0.0	
			E	8:15	0.000	20.9	640	0.0	
			W	8:15	0.000	20.9	640	0.0	
			Well Head	8:15	0.000	20.9	640	0.0	
		S	N	10:45	0.000	20.9	640	0.0	
			S	10:45	0.000	20.9	660	0.0	
			E	10:45	0.000	20.9	660	0.0	
			W	10:45	0.000	20.9	660	0.0	
			Well Head	10:45	0.000	20.9	640	0.0	
			Finish	11:00					
30-Mar-15	35		Start	8:02					
		N	N	9:15	0.000	20.9	640	0.0	
			S	9:15	0.000	20.9	640	0.0	
			E	9:15	0.000	20.9	660	0.0	
			W	9:15	0.000	20.9	640	0.0	
			Well Head	9:15	0.000	20.9	660	0.0	
		N	N	10:30	0.000	20.9	640	0.0	
			S	10:30	0.000	20.9	660	0.0	
			E	10:30	0.000	20.9	660	0.0	
			W	10:30	0.000	20.9	640	0.0	
			Well Head	10:30	0.000	20.9	660	0.0	
			Finish	12:53					
30-Mar-15	94		Start	8:10					
		N	N	9:30	0.000	20.9	660	0.0	
			S	9:30	0.000	20.9	660	0.0	
			E	9:30	0.000	20.9	640	0.0	
			W	9:30	0.000	20.9	640	0.0	
			Well Head	9:30	0.000	20.9	660	0.0	
		N	N	10:45	0.000	20.9	660	0.0	
			S	10:45	0.000	20.9	640	0.0	
			E	10:45	0.000	20.9	640	0.0	
			W	10:45	0.000	20.9	640	0.0	
			Well Head	10:45	0.000	20.9	660	0.0	
			Finish	17:55					
31-Mar-15	101		Start	7:52					
		E	N	8:00	0.000	20.9	660	0.0	
			S	8:00	0.000	20.9	660	0.0	
			E	8:00	0.000	20.9	680	0.0	
			W	8:00	0.000	20.9	660	0.0	
			Well Head	8:00	0.000	20.9	660	0.0	
		E	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	660	0.0	
			E	10:00	0.000	20.9	660	0.0	
			W	10:00	0.000	20.9	660	0.0	
			Well Head	10:00	0.000	20.9	660	0.0	
			Finish	17:26					
31-Mar-15	112		Start	7:54					
		E	N	8:15	0.000	20.9	660	0.0	
			S	8:15	0.000	20.9	660	0.0	
			E	8:15	0.000	20.9	660	0.0	
			W	8:15	0.000	20.9	660	0.0	
			Well Head	8:15	0.000	20.9	660	0.0	
		E	N	10:15	0.000	20.9	680	0.0	
			S	10:15	0.000	20.9	680	0.0	
			E	10:15	0.000	20.9	660	0.0	
			W	10:15	0.000	20.9	660	0.0	
			Well Head	10:15	0.000	20.9	680	0.0	
			Finish	10:42					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
1-Apr-15	32		Start	7:51					
		E	N	8:30	0.000	20.9	680	0.0	
			S	8:30	0.000	20.9	680	0.0	
			E	8:30	0.000	20.9	680	0.0	
			W	8:30	0.000	20.9	680	0.0	
			Well Head	8:30	0.000	20.9	700	0.0	
		E	N	10:00	0.000	20.9	680	0.0	
			S	10:00	0.000	20.9	680	0.0	
			E	10:00	0.000	20.9	680	0.0	
			W	10:00	0.000	20.9	670	0.0	
			Well Head	10:00	0.000	20.9	700	0.0	
			Finish	17:52					
1-Apr-15	111		Start	7:47					
		E	N	8:45	0.000	20.9	660	0.0	
			S	8:45	0.000	20.9	680	0.0	
			E	8:45	0.000	20.9	680	0.0	
			W	8:45	0.000	20.9	670	0.0	
			Well Head	8:45	0.000	20.9	680	0.0	
		E	N	10:15	0.000	20.9	670	0.0	
			S	10:15	0.000	20.9	670	0.0	
			E	10:15	0.000	20.9	680	0.0	
			W	10:15	0.000	20.9	680	0.0	
			Well Head	0.427	0.000	20.9	680	0.0	
			Finish	17:51					
2-Apr-15	112		Start	7:38					
		W	N	8:00	0.000	20.9	680	0.0	
			S	8:00	0.000	20.9	680	0.0	
			E	8:00	0.000	20.9	680	0.0	
			W	8:00	0.000	20.9	670	0.0	
			Well Head	8:00	0.000	20.9	680	0.0	
		W	N	10:00	0.000	20.9	680	0.0	
			S	10:00	0.000	20.9	680	0.0	
			E	10:00	0.000	20.9	680	0.0	
			W	10:00	0.000	20.9	670	0.0	
			Well Head	10:00	0.000	20.9	670	0.0	
			Finish	11:06					
2-Apr-15	114		Start	7:27					
		W	N	8:15	0.000	20.9	670	0.0	
			S	8:15	0.000	20.9	680	0.0	
			E	8:15	0.000	20.9	680	0.0	
			W	8:15	0.000	20.9	660	0.0	
			Well Head	8:15	0.000	20.9	680	0.0	
		W	N	10:15	0.000	20.9	680	0.0	
			S	10:15	0.000	20.9	680	0.0	
			E	10:15	0.000	20.9	670	0.0	
			W	10:15	0.000	20.9	670	0.0	
			Well Head	10:15	0.000	20.9	680	0.0	
			Finish	11:09					
6-Apr-15	43		Start	12:19					
		W	N	12:30	0.000	20.9	660	0.0	
			S	12:30	0.000	20.9	670	0.0	
			E	12:30	0.000	20.9	660	0.0	
			W	12:30	0.000	20.9	660	0.0	
			Well Head	12:30	0.000	20.9	660	0.0	
		W	N	14:30	0.000	20.9	660	0.0	
			S	14:30	0.000	20.9	660	0.0	
			E	14:30	0.000	20.9	670	0.0	
			W	14:30	0.000	20.9	660	0.0	
			Well Head	14:30	0.000	20.9	670	0.0	
			Finish	17:38					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
6-Apr-15	54		Start	12:18					
		W	N	12:45	0.000	20.9	670	0.0	
			S	12:45	0.000	20.9	660	0.0	
			E	12:45	0.000	20.9	660	0.0	
			W	12:45	0.000	20.9	670	0.0	
			Well Head	12:45	0.000	20.9	660	0.0	
		W	N	14:45	0.000	20.9	660	0.0	
			S	14:45	0.000	20.9	660	0.0	
			E	14:45	0.000	20.9	670	0.0	
			W	14:45	0.000	20.9	660	0.0	
			Well Head	14:45	0.000	20.9	660	0.0	
			Finish	17:48					
7-Apr-15	43		Start	7:48					
		W	N	8:15	0.000	20.9	660	0.0	
			S	8:15	0.000	20.9	660	0.0	
			E	8:15	0.000	20.9	670	0.0	
			W	8:15	0.000	20.9	660	0.0	
			Well Head	8:15	0.000	20.9	680	0.0	
		W	N	9:45	0.000	20.9	680	0.0	
			S	9:45	0.000	20.9	680	0.0	
			E	9:45	0.000	20.9	660	0.0	
			W	9:45	0.000	20.9	660	0.0	
			Well Head	9:45	0.000	20.9	680	0.0	
			Finish	17:27					
7-Apr-15	55		Start	7:46					
		W	N	8:30	0.000	20.9	670	0.0	
			S	8:30	0.000	20.9	670	0.0	
			E	8:30	0.000	20.9	660	0.0	
			W	8:30	0.000	20.9	660	0.0	
			Well Head	8:30	0.000	20.9	680	0.0	
		W	N	10:00	0.000	20.9	660	0.0	
			S	10:00	0.000	20.9	660	0.0	
			E	10:00	0.000	20.9	680	0.0	
			W	10:00	0.000	20.9	680	0.0	
			Well Head	10:00	0.000	20.9	670	0.0	
			Finish	11:02					
8-Apr-15	114		Start	7:48					
		E	N	9:00	0.000	20.9	680	0.0	
			S	9:00	0.000	20.9	680	0.0	
			E	9:00	0.000	20.9	680	0.0	
			W	9:00	0.000	20.9	680	0.0	
			Well Head	9:00	0.000	20.9	680	0.0	
		E	N	10:00	0.000	20.9	680	0.0	
			S	10:00	0.000	20.9	680	0.0	
			E	10:00	0.000	20.9	680	0.0	
			W	10:00	0.000	20.9	680	0.0	
			Well Head	10:00	0.000	20.9	700	0.0	
			Finish	11:02					
8-Apr-15	116		Start	7:15					
		E	N	9:15	0.000	20.9	680	0.0	
			S	9:15	0.000	20.9	670	0.0	
			E	9:15	0.000	20.9	680	0.0	
			W	9:15	0.000	20.9	680	0.0	
			Well Head	9:15	0.000	20.9	700	0.0	
		E	N	10:15	0.000	20.9	680	0.0	
			S	10:15	0.000	20.9	670	0.0	
			E	10:15	0.000	20.9	670	0.0	
			W	10:15	0.000	20.9	680	0.0	
			Well Head	10:15	0.000	20.9	680	0.0	
			Finish	12:56					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
9-Apr-15	68		Start	9:46					
		E	N	10:00	0.000	20.9	680	0.0	
			S	10:00	0.000	20.9	680	0.0	
			E	10:00	0.000	20.9	680	0.0	
			W	10:00	0.000	20.9	680	0.0	
			Well Head	10:00	0.000	20.9	680	0.0	
		E	N	11:00	0.000	20.9	680	0.0	
			S	11:00	0.000	20.9	680	0.0	
			E	11:00	0.000	20.9	680	0.0	
			W	11:00	0.000	20.9	680	0.0	
			Well Head	11:00	0.000	20.9	680	0.0	
			Finish	12:00					
9-Apr-15	126		Start	9:52					
		E	N	10:15	0.000	20.9	680	0.0	
			S	10:15	0.000	20.9	670	0.0	
			E	10:15	0.000	20.9	680	0.0	
			W	10:15	0.000	20.9	680	0.0	
			Well Head	10:15	0.000	20.9	700	0.0	
		E	N	11:15	0.000	20.9	680	0.0	
			S	11:15	0.000	20.9	680	0.0	
			E	11:15	0.000	20.9	680	0.0	
			W	11:15	0.000	20.9	680	0.0	
			Well Head	11:15	0.000	20.9	700	0.0	
			Finish	11:55					
10-Apr-15	112		Start	6:27					
		W	N	8:00	0.000	20.9	660	0.0	
			S	8:00	0.000	20.9	660	0.0	
			E	8:00	0.000	20.9	680	0.0	
			W	8:00	0.000	20.9	680	0.0	
			Well Head	8:00	0.000	20.9	680	0.0	
		W	N	9:00	0.000	20.9	660	0.0	
			S	9:00	0.000	20.9	680	0.0	
			E	9:00	0.000	20.9	680	0.0	
			W	9:00	0.000	20.9	680	0.0	
			Well Head	9:00	0.000	20.9	680	0.0	
			Finish	9:38					
10-Apr-15	116		Start	6:32					
		W	N	8:15	0.000	20.9	680	0.0	
			S	8:15	0.000	20.9	660	0.0	
			E	8:15	0.000	20.9	680	0.0	
			W	8:15	0.000	20.9	680	0.0	
			Well Head	8:15	0.000	20.9	680	0.0	
		W	N	9:15	0.000	20.9	680	0.0	
			S	9:15	0.000	20.9	680	0.0	
			E	9:15	0.000	20.9	660	0.0	
			W	9:15	0.000	20.9	660	0.0	
			Well Head	9:15	0.000	20.9	680	0.0	
			Finish	9:37					
11-Apr-15	36		Start	12:42					
		E	N	13:30	0.000	20.9	660	0.0	
			S	13:30	0.000	20.9	660	0.0	
			E	13:30	0.000	20.9	680	0.0	
			W	13:30	0.000	20.9	660	0.0	
			Well Head	13:30	0.000	20.9	660	0.0	
		E	N	15:00	0.000	20.9	660	0.0	
			S	15:00	0.000	20.9	660	0.0	
			E	15:00	0.000	20.9	660	0.0	
			W	15:00	0.000	20.9	660	0.0	
			Well Head	15:00	0.000	20.9	660	0.0	
			Finish	16:33					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H2S (ppmv)	Comments
11-Apr-15	113		Start	12:14					
		E	N	13:45	0.000	20.9	660	0.0	
			S	13:45	0.000	20.9	660	0.0	
			E	13:45	0.000	20.9	660	0.0	
			W	13:45	0.000	20.9	660	0.0	
			Well Head	13:45	0.000	20.9	660	0.0	
		E	N	15:15	0.000	20.9	680	0.0	
			S	15:15	0.000	20.9	680	0.0	
			E	15:15	0.000	20.9	660	0.0	
			W	15:15	0.000	20.9	660	0.0	
			Well Head	15:15	0.000	20.9	680	0.0	
			Finish	16:39					
12-Apr-15	112		Start	6:27					
		S	N	7:30	0.000	20.9	680	0.0	
			S	7:30	0.000	20.9	680	0.0	
			E	7:30	0.000	20.9	680	0.0	
			W	7:30	0.000	20.9	660	0.0	
			Well Head	7:30	0.000	20.9	670	0.0	
		S	N	8:45	0.000	20.9	680	0.0	
			S	8:45	0.000	20.9	680	0.0	
			E	8:45	0.000	20.9	680	0.0	
			W	8:45	0.000	20.9	680	0.0	
			Well Head	8:45	0.000	20.9	680	0.0	
			Finish	9:38					
12-Apr-15	114		Start	6:42					
		S	N	7:45	0.000	20.9	680	0.0	
			S	7:45	0.000	20.9	680	0.0	
			E	7:45	0.000	20.9	680	0.0	
			W	7:45	0.000	20.9	660	0.0	
			Well Head	7:45	0.000	20.9	660	0.0	
		S	N	9:00	0.000	20.9	660	0.0	
			S	9:00	0.000	20.9	680	0.0	
			E	9:00	0.000	20.9	670	0.0	
			W	9:00	0.000	20.9	680	0.0	
			Well Head	9:00	0.000	20.9	680	0.0	
			Finish	10:59					
13-Apr-15	46		Start	7:32					
		N	N	8:45	0.000	20.9	730	0.0	
			S	8:45	0.000	20.9	720	0.0	
			E	8:45	0.000	20.9	720	0.0	
			W	8:45	0.000	20.9	730	0.0	
			Well Head	8:45	0.000	20.9	750	0.0	
		N	N	11:30	0:00	20.9	750.0	0.0	
			S	11:30	0:00	20.9	750.0	0.0	
			E	11:30	0:00	20.9	740.0	0.0	
			W	11:30	0:00	20.9	750.0	0.0	
			Well Head	11:30	0:00	20.9	750.0	0.0	
			Finish	16:18					
13-Apr-15	63		Start	7:42					
		N	N	9:00	0.000	20.9	740	0.0	
			S	9:00	0.000	20.9	730	0.0	
			E	9:00	0.000	20.9	730	0.0	
			W	9:00	0.000	20.9	750	0.0	
			Well Head	9:00	0.000	20.9	750	0.0	
		N	N	11:45	0.000	20.9	740	0.0	
			S	11:45	0.000	20.9	730	0.0	
			E	11:45	0.000	20.9	730	0.0	
			W	11:45	0.000	20.9	750	0.0	
			Well Head	11:45	0.000	20.9	750	0.0	
			Finish	11:55					

**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
14-Apr-15	43		Start	7:52					
		N	N	9:30	0.000	20.9	700	0.0	
			S	9:30	0.000	20.9	700	0.0	
			E	9:30	0.000	20.9	730	0.0	
			W	9:30	0.000	20.9	730	0.0	
			Well Head	9:30	0.000	20.9	700	0.0	
		N	N	10:30	0.000	20.9	700	0.0	
			S	10:30	0.000	20.9	700	0.0	
			E	10:30	0.000	20.9	720	0.0	
			W	10:30	0.000	20.9	730	0.0	
			Well Head	10:30	0.000	20.9	720	0.0	
			Finish	17:44					
14-Apr-15	116		Start	8:00					
		N	N	9:45	0.000	20.9	700	0.0	
			S	9:45	0.000	20.9	720	0.0	
			E	9:45	0.000	20.9	730	0.0	
			W	9:45	0.000	20.9	730	0.0	
			Well Head	9:45	0.000	20.9	730	0.0	
		N	N	10:45	0.000	20.9	730	0.0	
			S	10:45	0.000	20.9	730	0.0	
			E	10:45	0.000	20.9	720	0.0	
			W	10:45	0.000	20.9	730	0.0	
			Well Head	10:45	0.000	20.9	750	0.0	
			Finish	17:43					
15-Apr-15	113		Start	7:42					
		N	N	9:30	0.000	20.9	700	0.0	
			S	9:30	0.000	20.9	720	0.0	
			E	9:30	0.000	20.9	730	0.0	
			W	9:30	0.000	20.9	730	0.0	
			Well Head	9:30	0.000	20.9	730	0.0	
		N	N	10:30	0.000	20.9	730	0.0	
			S	10:30	0.000	20.9	730	0.0	
			E	10:30	0.000	20.9	720	0.0	
			W	10:30	0.000	20.9	730	0.0	
			Well Head	10:30	0.000	20.9	720	0.0	
			Finish	12:26					
15-Apr-15	121		Start	7:52					
		N	N	9:45	0.000	20.9	720	0.0	
			S	9:45	0.000	20.9	720	0.0	
			E	9:45	0.000	20.9	720	0.0	
			W	9:45	0.000	20.9	720	0.0	
			Well Head	9:45	0.000	20.9	720	0.0	
		N	N	10:45	0.000	20.9	720	0.0	
			S	10:45	0.000	20.9	730	0.0	
			E	10:45	0.000	20.9	720	0.0	
			W	10:45	0.000	20.9	730	0.0	
			Well Head	10:45	0.000	20.9	730	0.0	
			Finish	17:15					
16-Apr-15	63		Start	8:13					
		W	N	9:15	0.000	20.9	700	0.0	
			S	9:15	0.000	20.9	700	0.0	
			E	9:15	0.000	20.9	700	0.0	
			W	9:15	0.000	20.9	700	0.0	
			Well Head	9:15	0.000	20.9	700	0.0	
		W	N	11:15	0.000	20.9	700	0.0	
			S	11:15	0.000	20.9	700	0.0	
			E	11:15	0.000	20.9	720	0.0	
			W	11:15	0.000	20.9	720	0.0	
			Well Head	11:15	0.000	20.9	700	0.0	
			Finish	16:58					

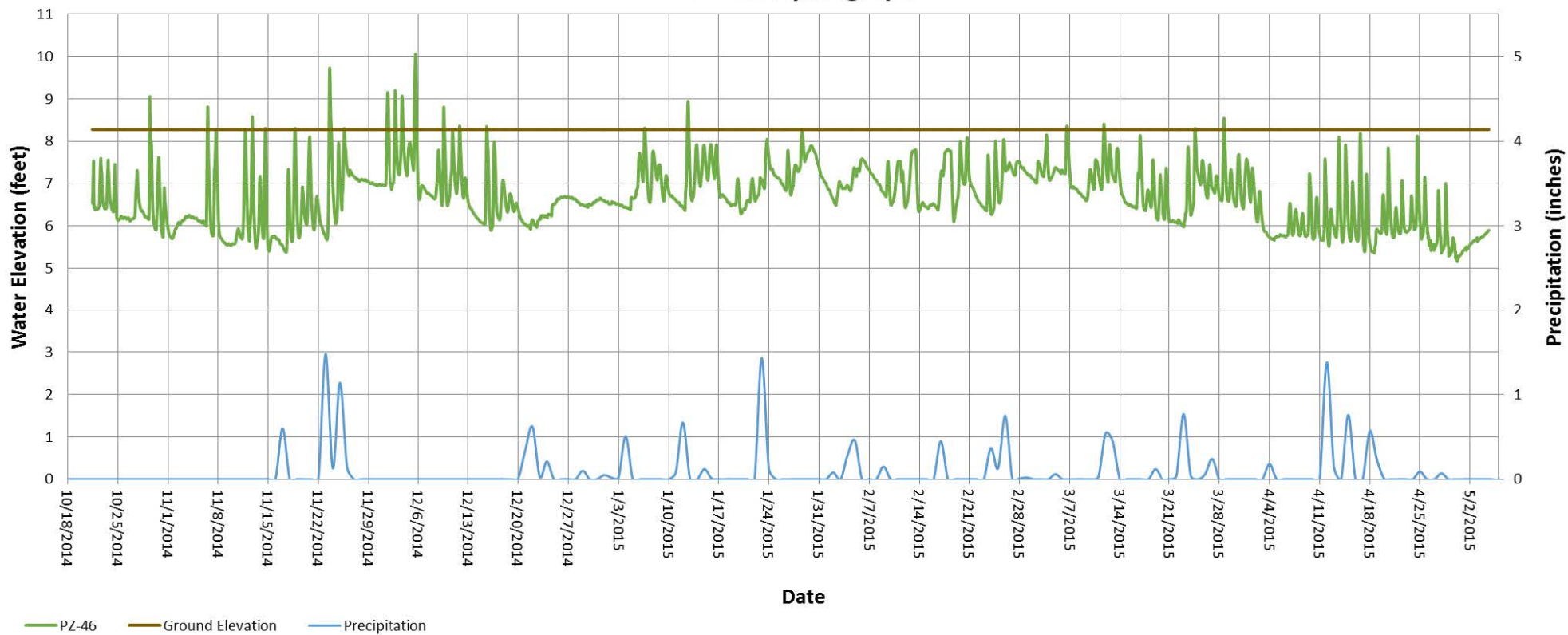
**LCP Chemicals Site, Brunswick GA - Carbon Dioxide Sparging
 AMBIENT AIR MONITORING DATA**

Date	Sparge Well	Wind Direction	Test Location	Time	Hg (mg/m3)	O2 (%)	CO2 (ppm)	H ₂ S (ppmv)	Comments
			Start	8:18					
16-Apr-15	116	W	N	9:30	0.000	20.9	700	0.0	
			S	9:30	0.000	20.9	700	0.0	
			E	9:30	0.000	20.9	700	0.0	
			W	9:30	0.000	20.9	730	0.0	
			Well Head	9:30	0.000	20.9	730	0.0	
16-Apr-15	116	W	N	11:30	0.000	20.9	700	0.0	
			S	11:30	0.000	20.9	720	0.0	
			E	11:30	0.000	20.9	730	0.0	
			W	11:30	0.000	20.9	730	0.0	
			Well Head	11:30	0.000	20.9	720	0.0	
			Finish	12:27					

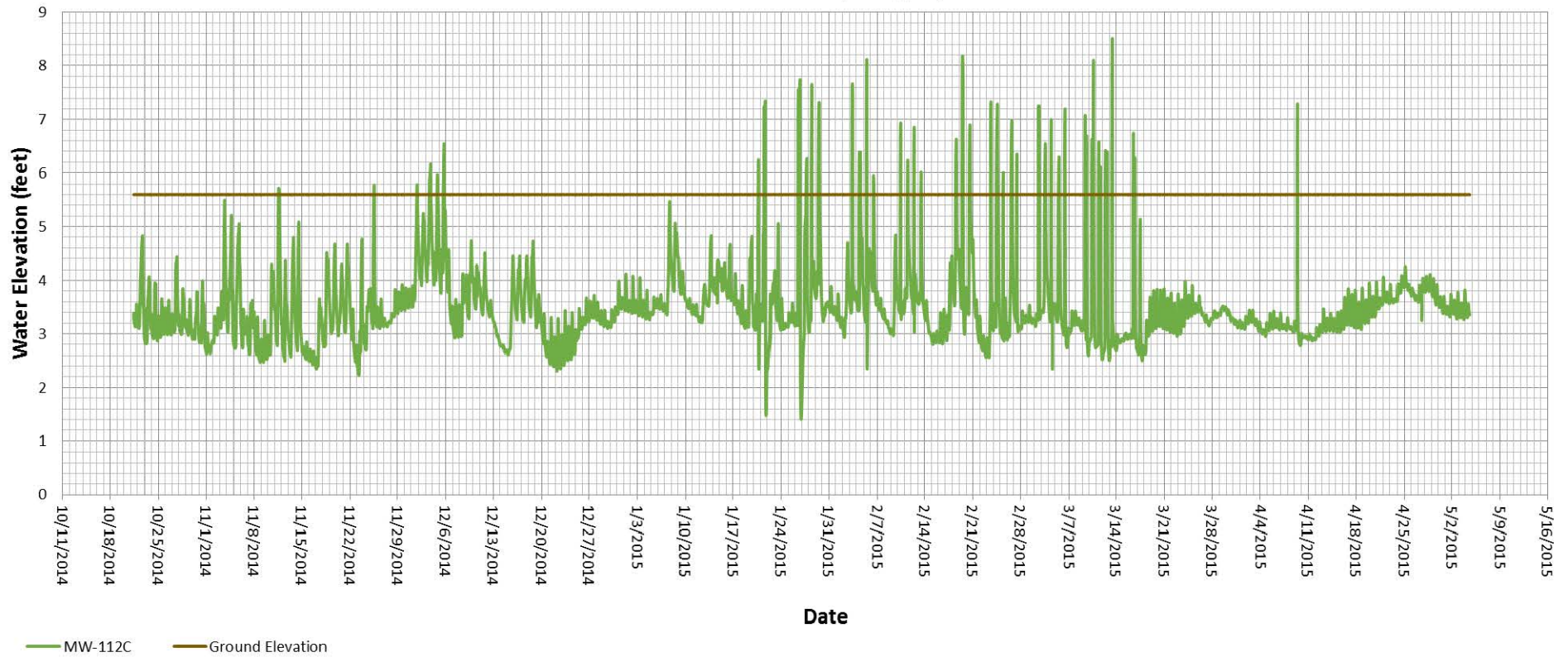
Appendix H:

Hydrographs of Observation Wells During Sparging

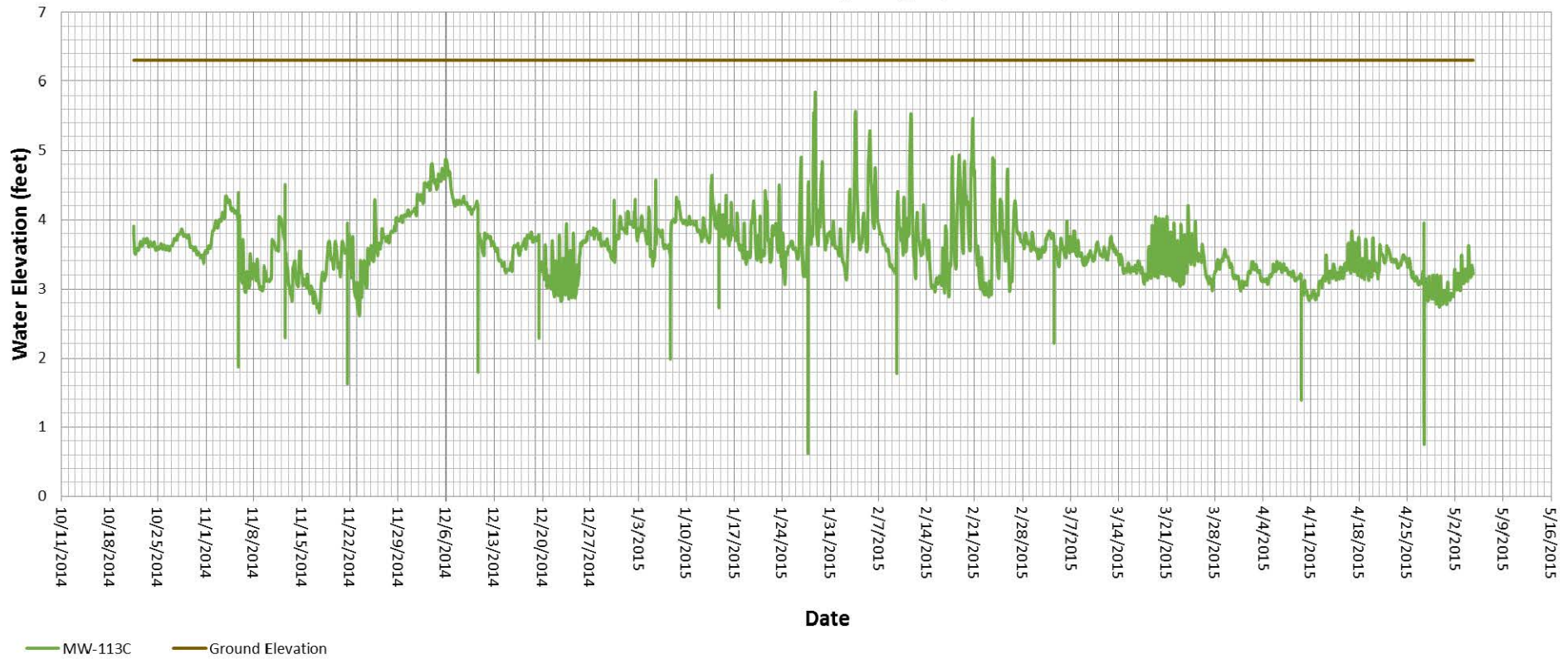
PZ-46: Hydrograph



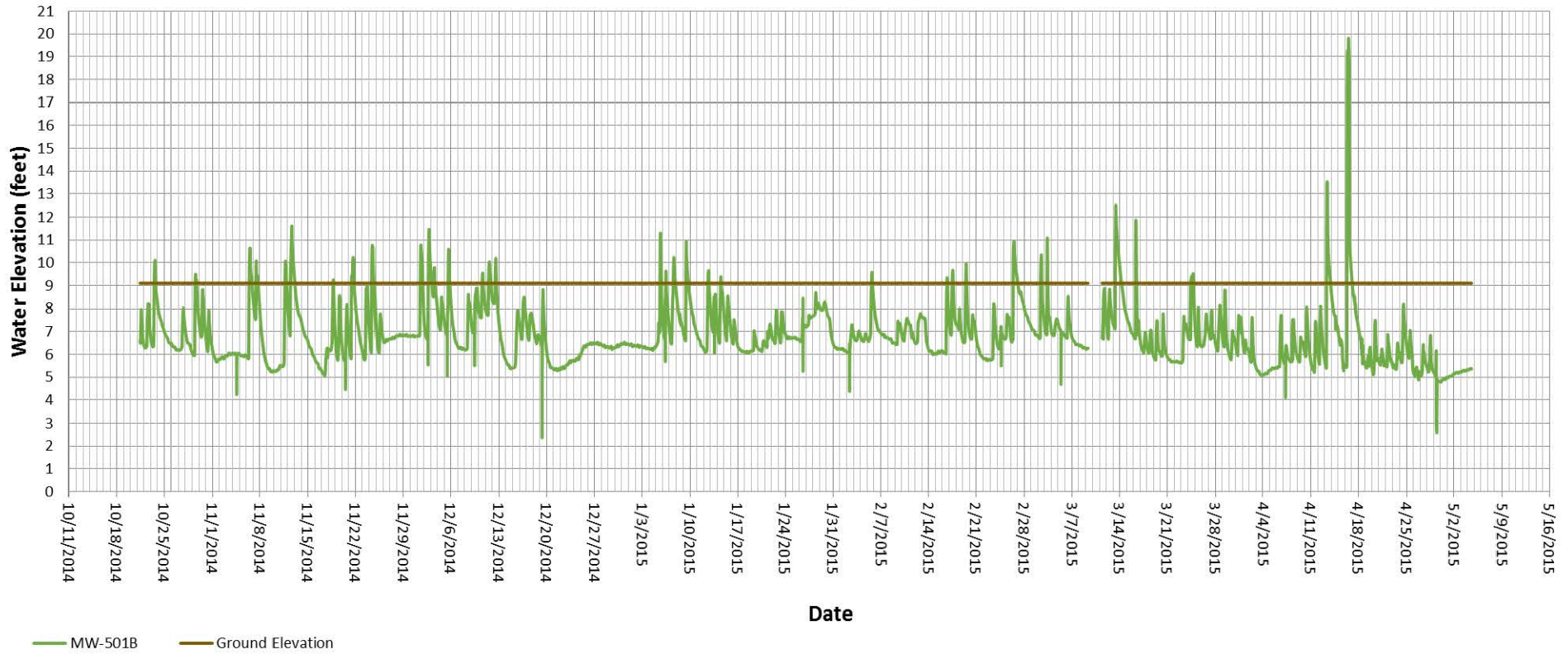
MW-112C: Hydrograph



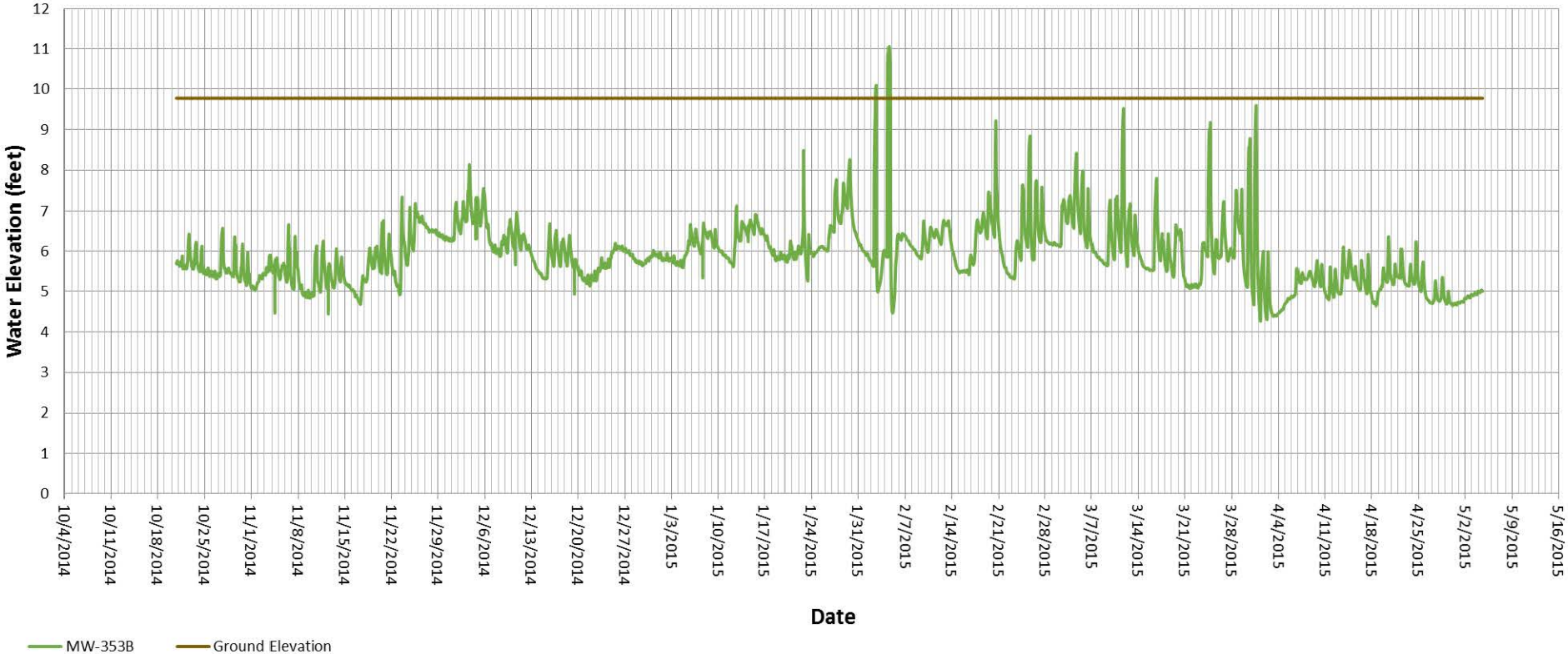
MW-113C: Hydrograph



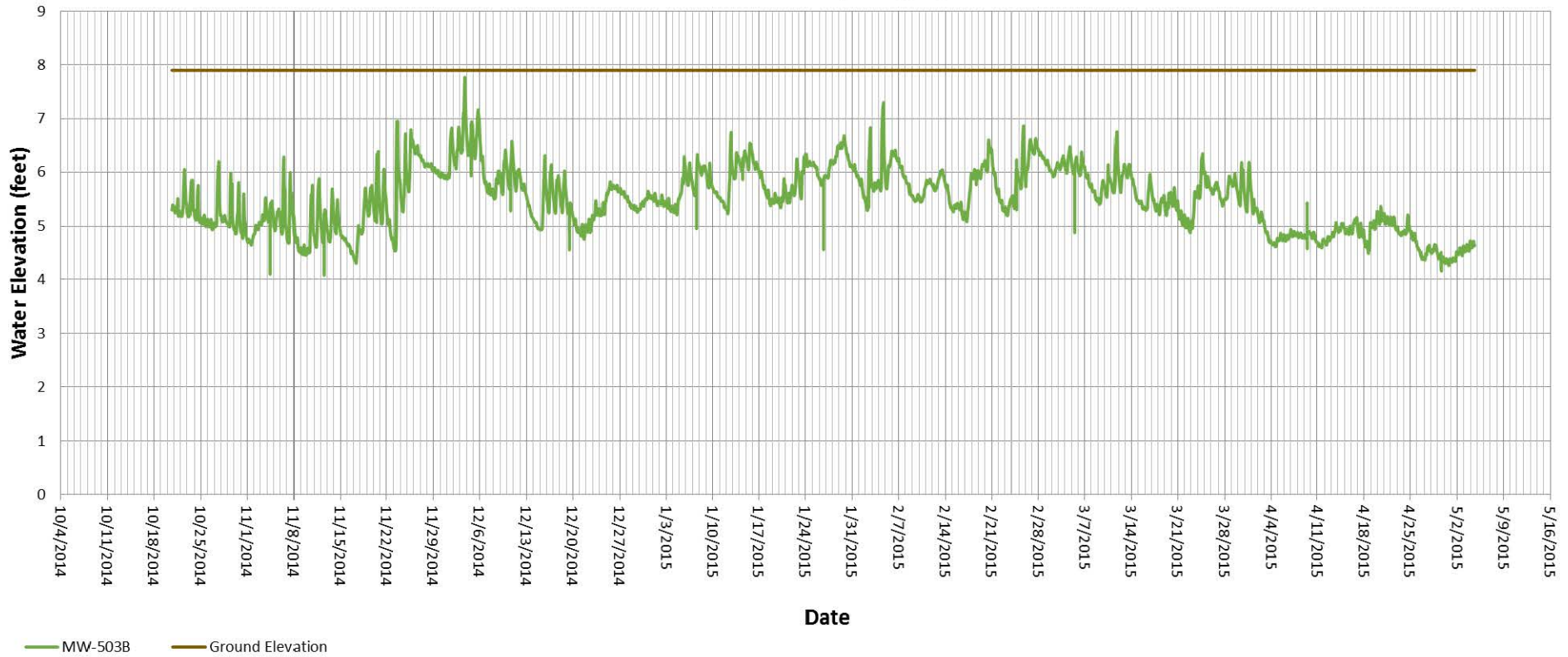
MW-501B: Hydrograph



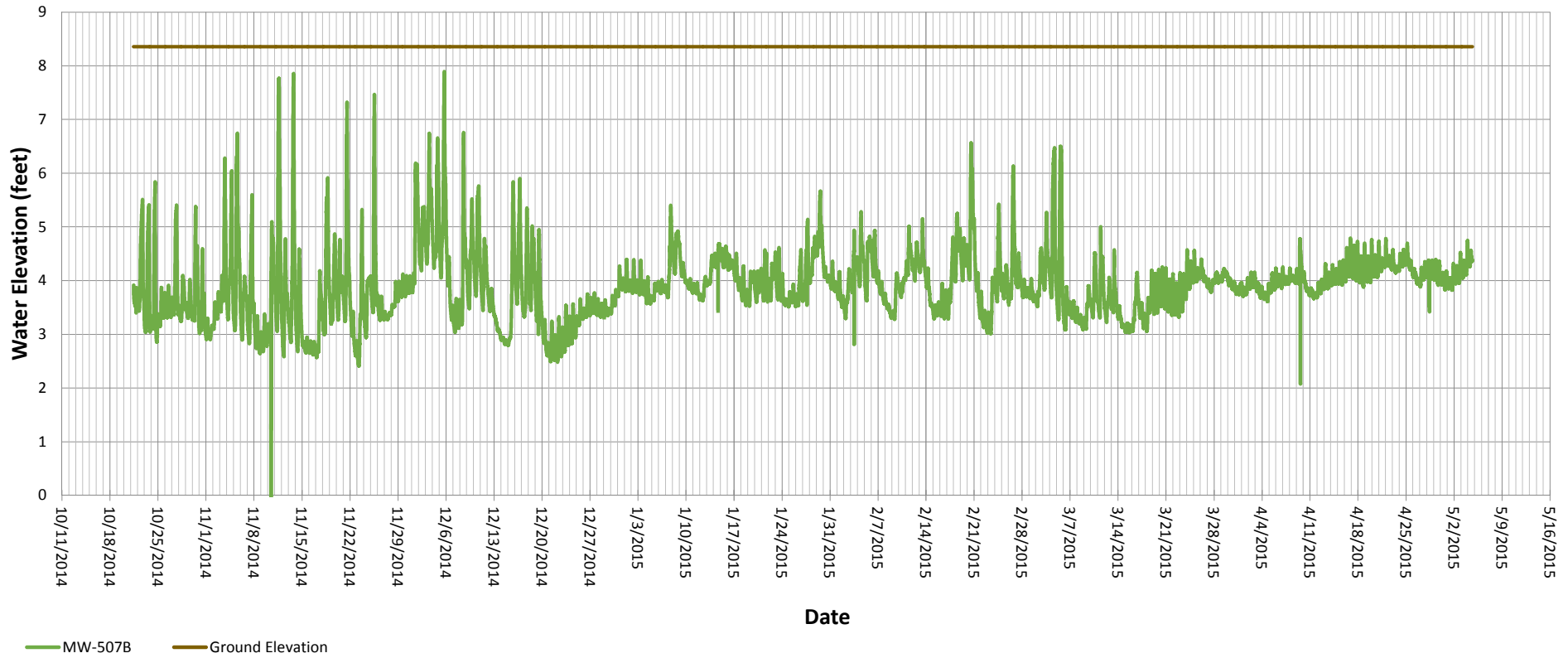
MW-353B: Hydrograph



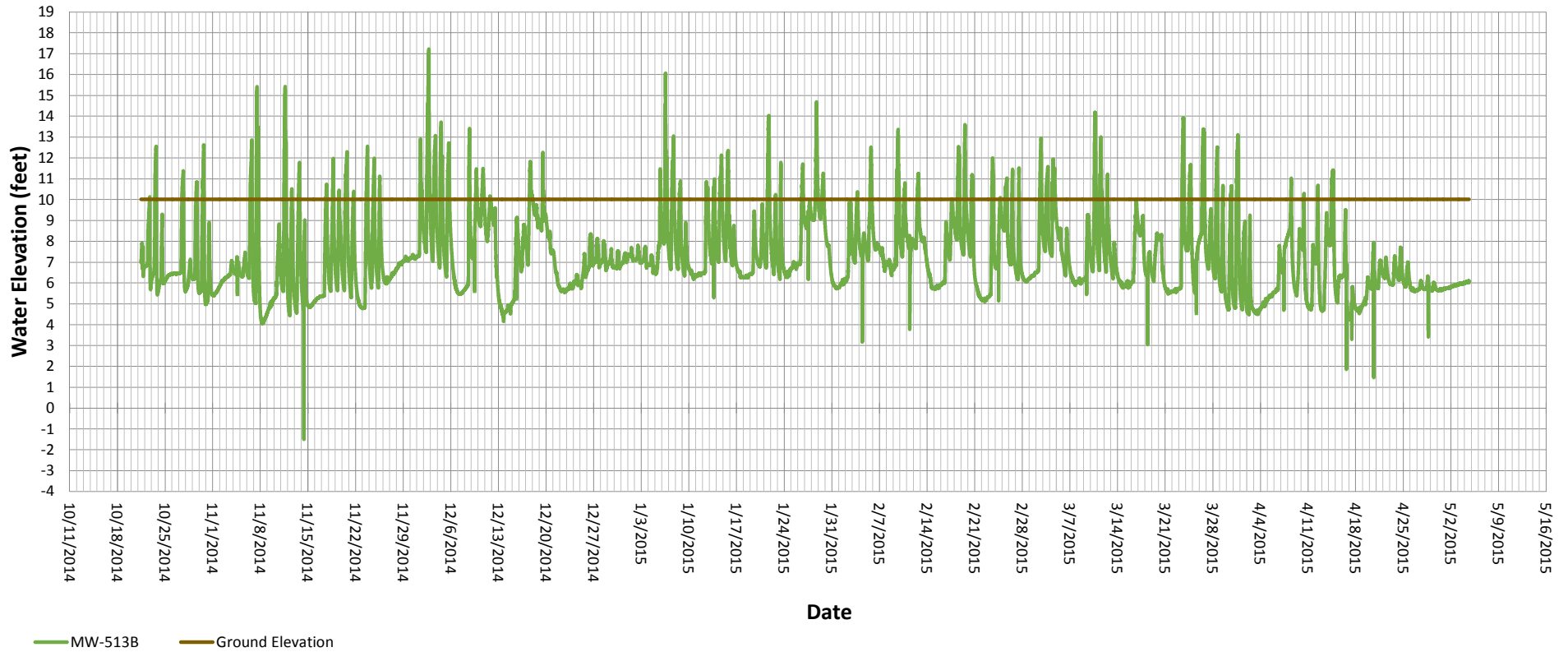
MW-503B: Hydrograph



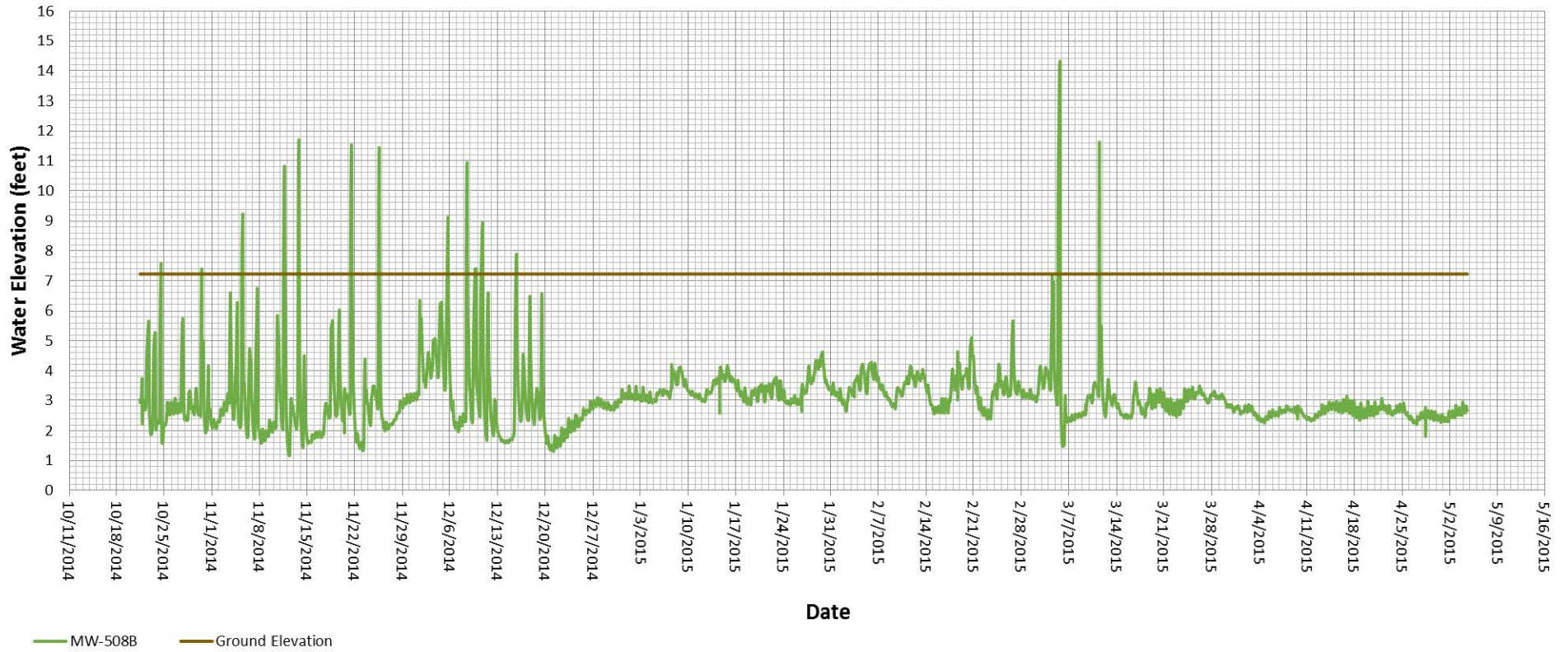
MW-507B: Hydrograph



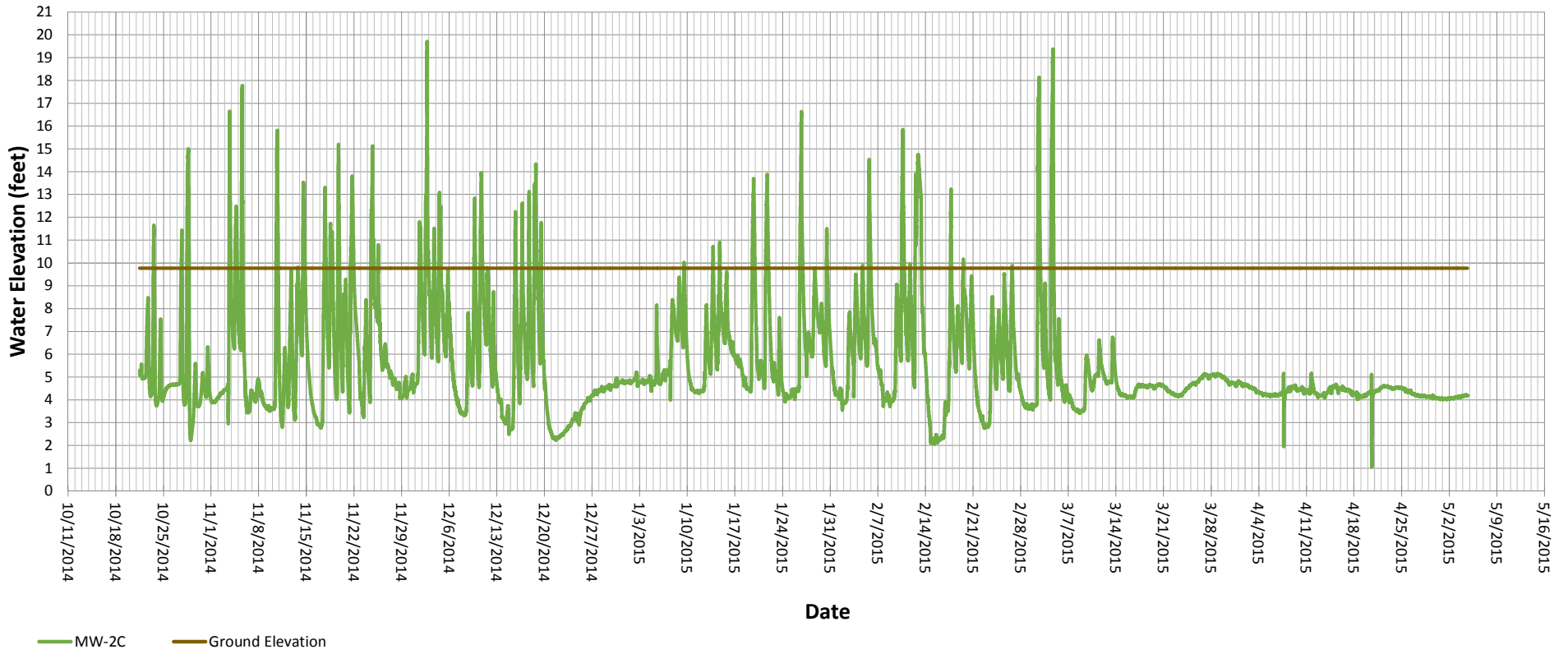
MW-513: Hydrograph



MW-508B: Hydrograph



MW-2C: Hydrograph



MW-516B: Hydrograph

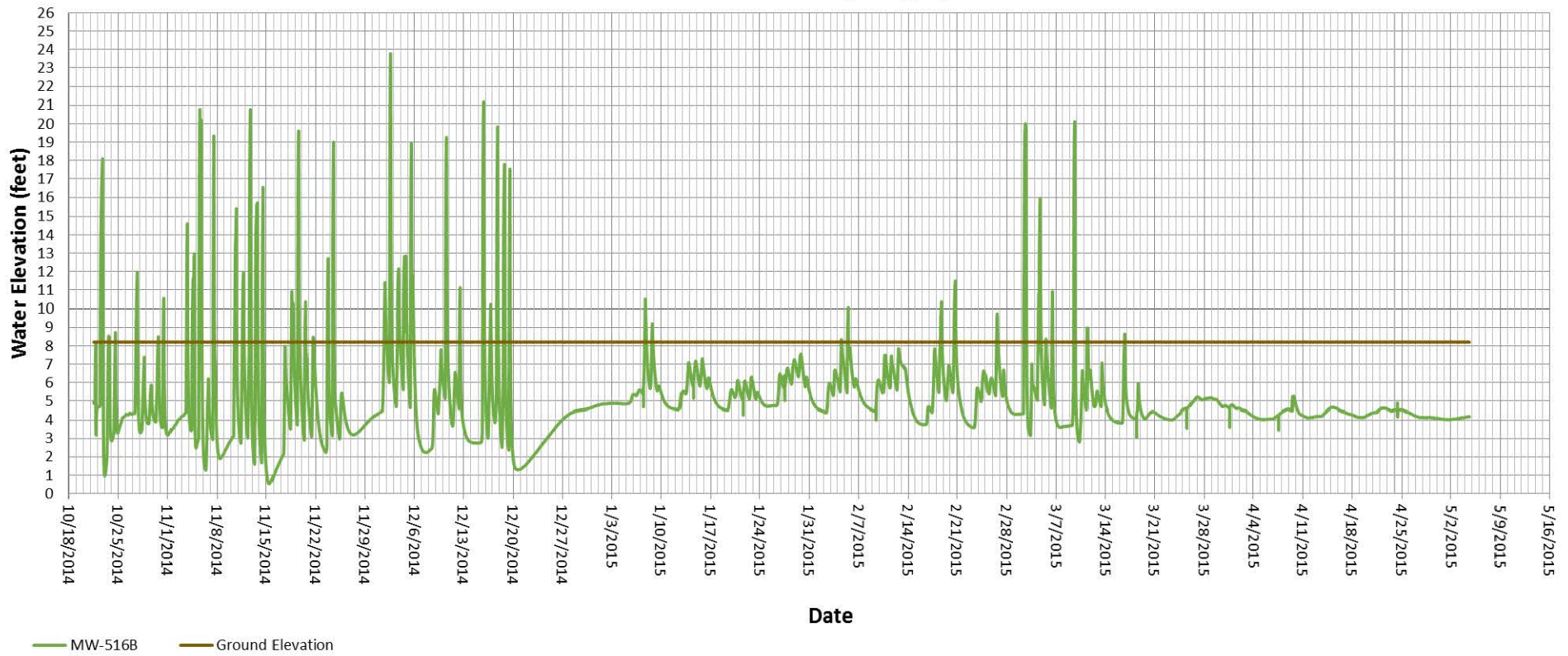
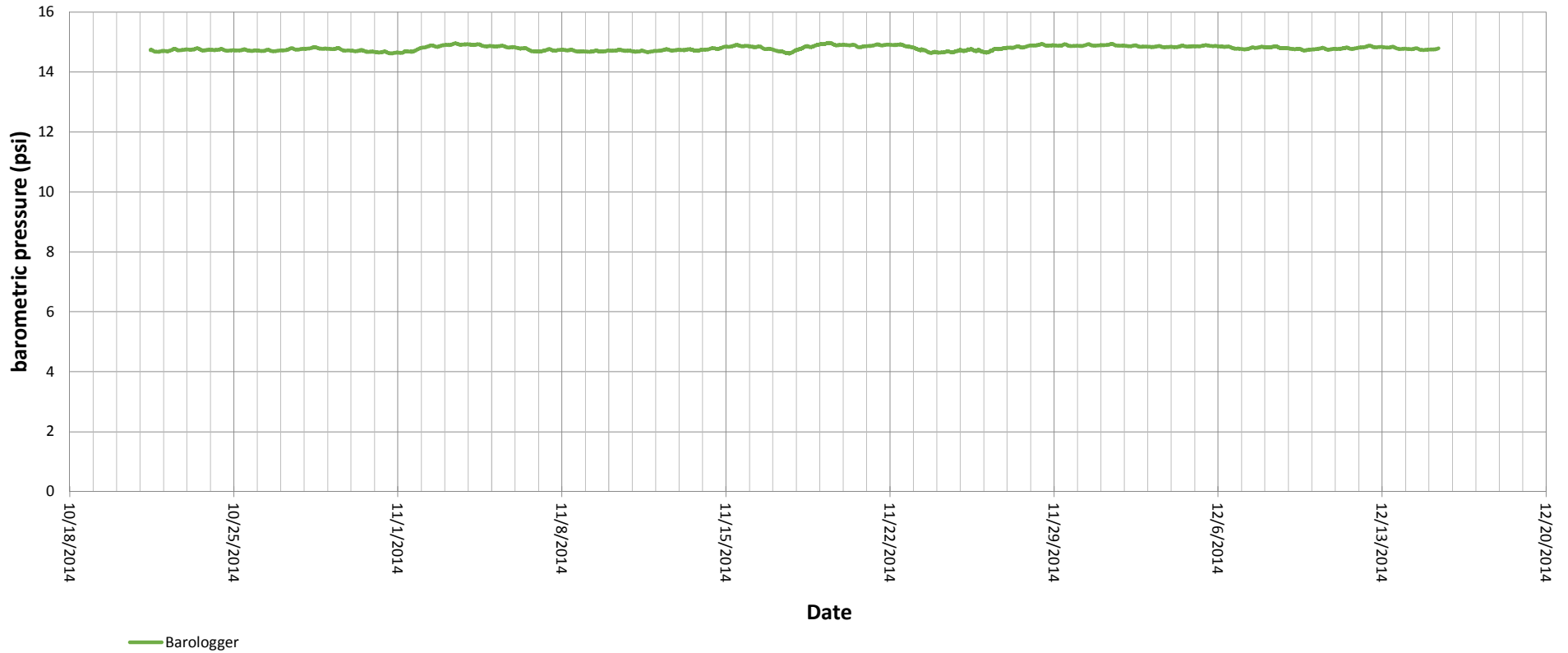


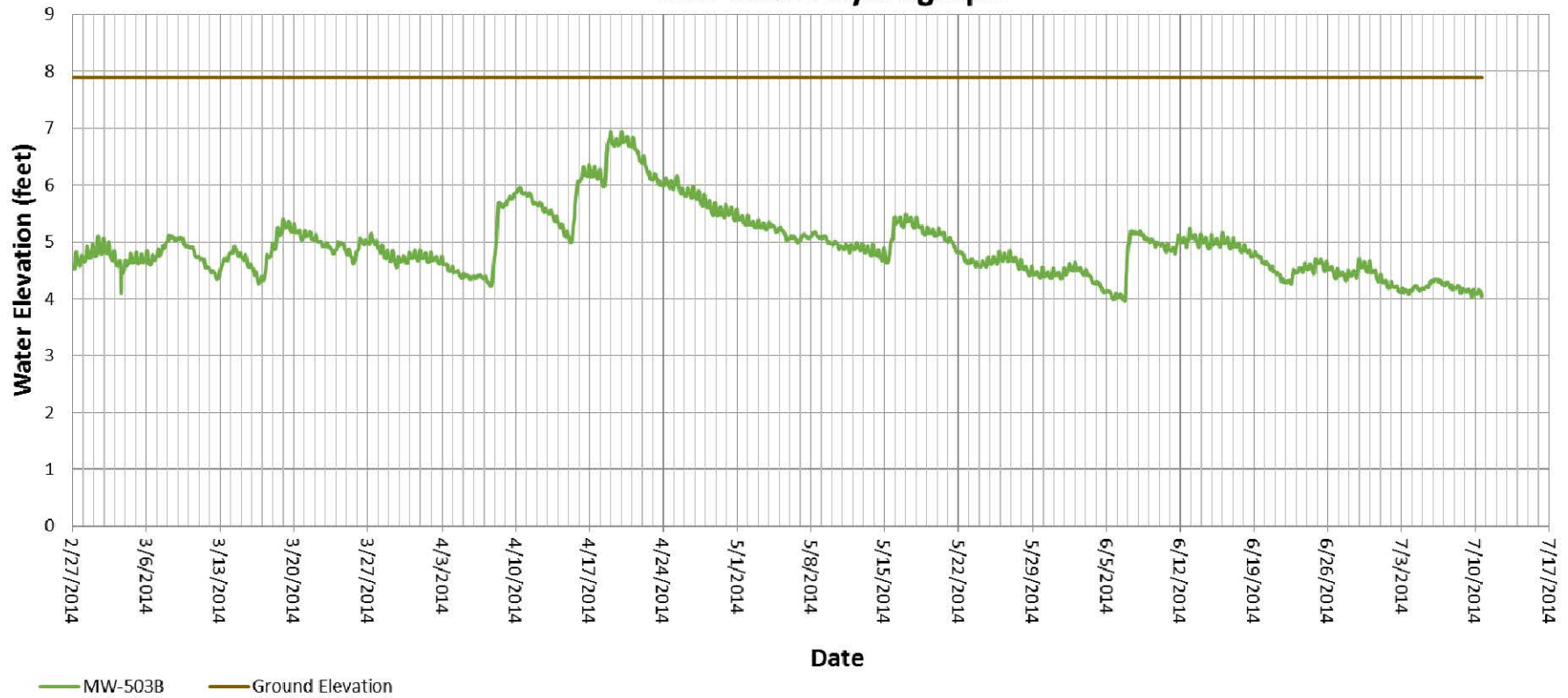
Figure H-11: Phase 2 hydrograph
LCP Chemicals Site, Brunswick, GA

Barologger: Hydrograph

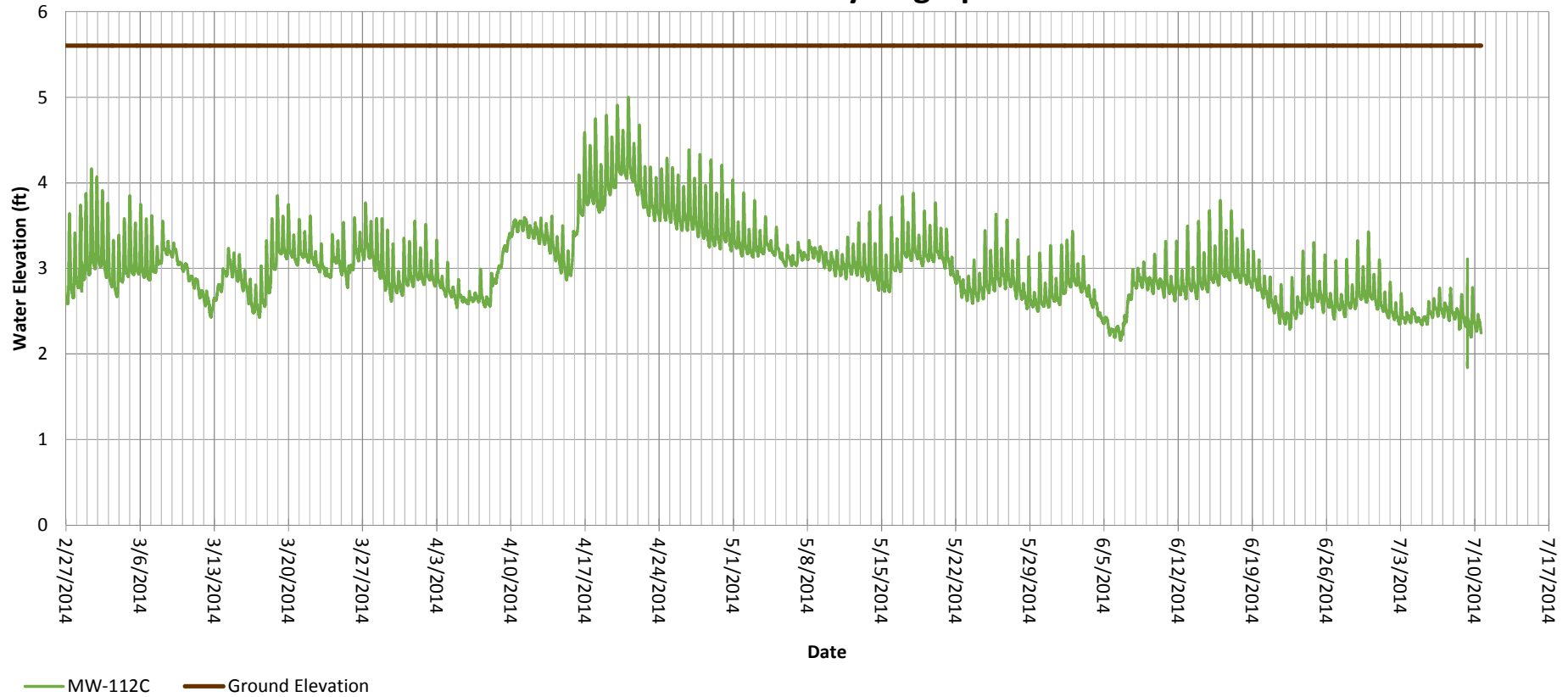


H-12: Phase 2 hydrograph (Note: Barologger failed on 12-15-14)
LCP Chemicals Site, Brunswick, GA

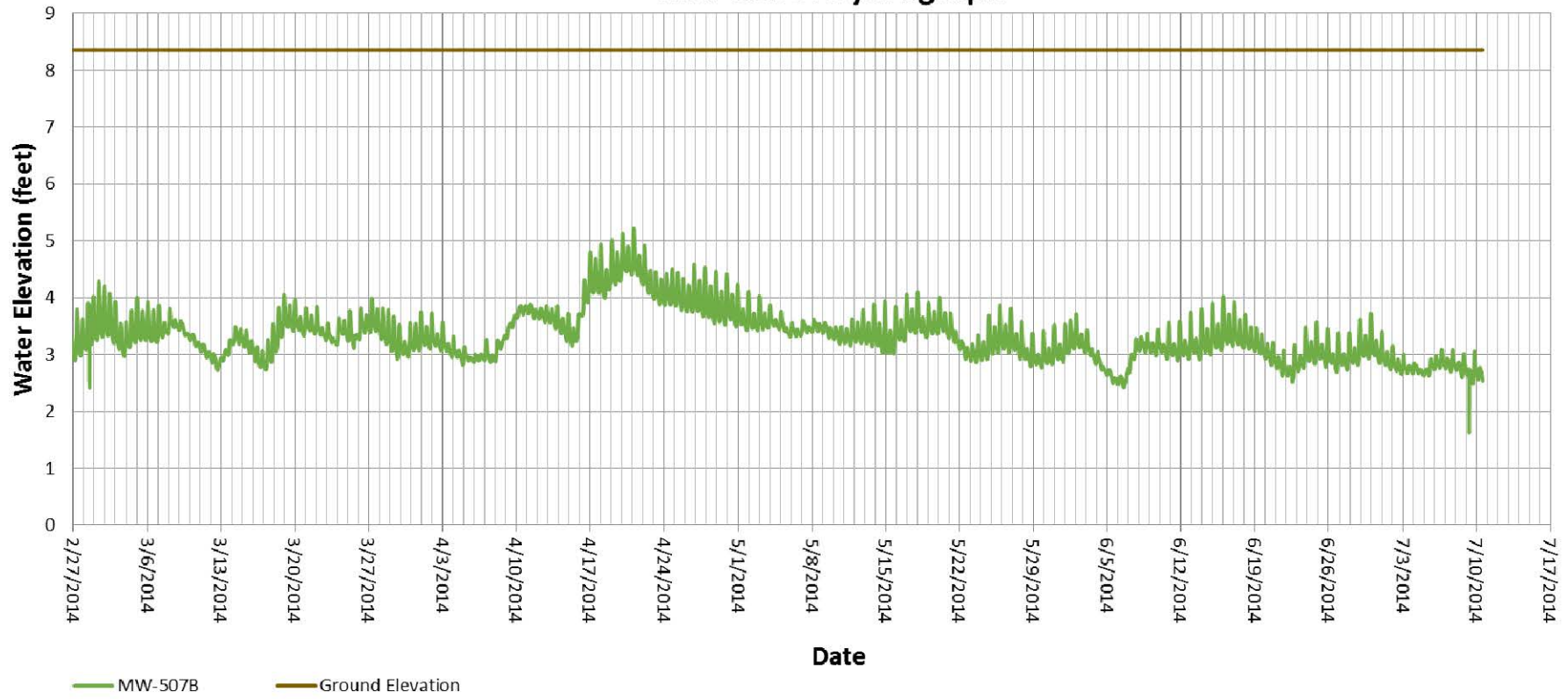
MW-503B: Hydrograph



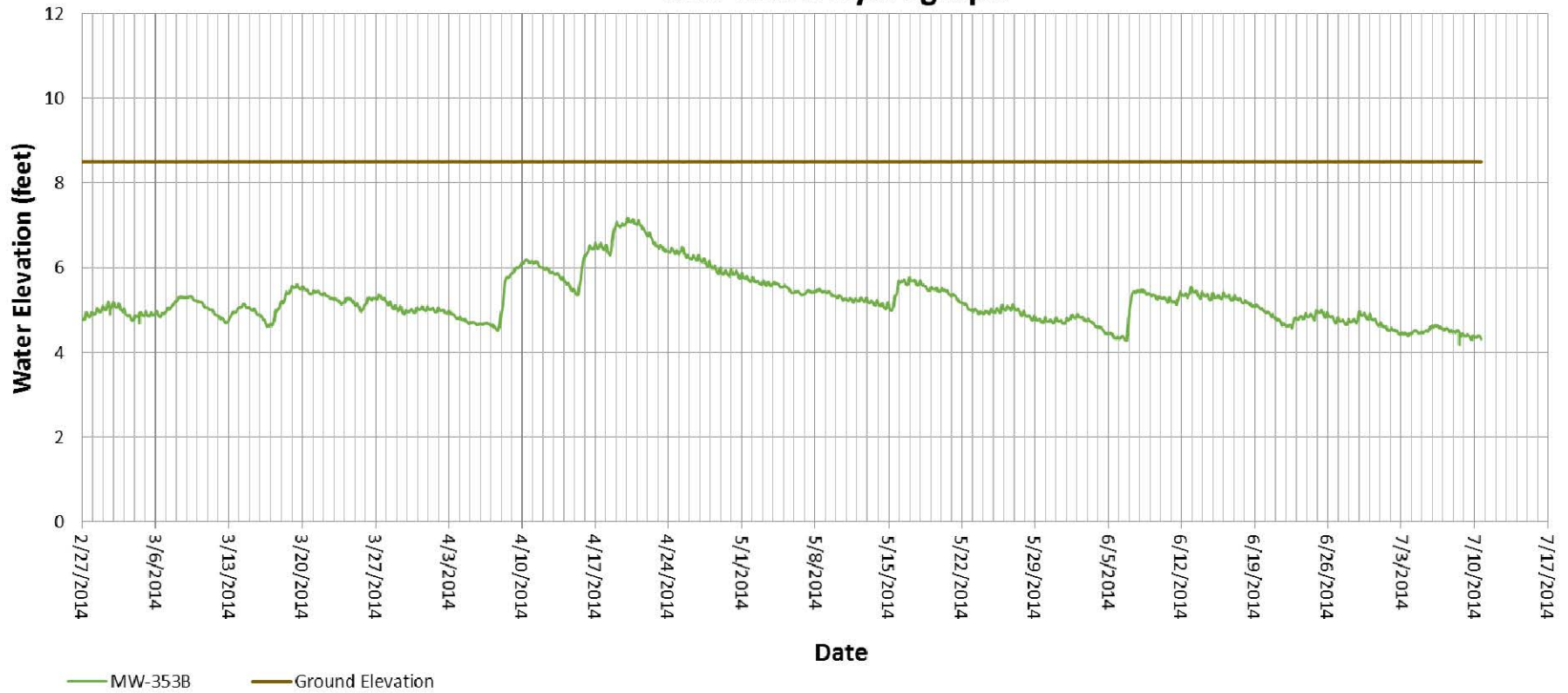
MW-112C: Hydrograph



MW-507B: Hydrograph



MW-353B: Hydrograph



MW-508B: Hydrograph

