

APPENDIX F – Closure and Post-Closure Plans

Exhibit Q-2
Closure and Post-Closure Plan

FLORENCE COPPER, INC.
UIC PERMIT APPLICATION
FLORENCE COPPER PROJECT – PRODUCTION TEST FACILITY

EXHIBIT Q-2 – CLOSURE AND POST-CLOSURE PLANS

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1 Introduction

1.1 Background

Florence Copper, Inc. (FCI) has prepared this Closure and Post-Closure Plan in response to the requirements of Item 25.J of the Individual Aquifer Protection Permit (APP) Application Form (Form, GWS 101, Rev. July 2011) and adapted as Exhibit Q-2 of the updated Underground Injection Control (UIC) Permit application (Application). This plan includes information that describes the closure and post-closure activities proposed by FCI for the Production Test Facility (PTF) proposed to be located on State land leased by FCI (Mineral Lease No. 11-26500). The closure and post-closure plans described in this Exhibit and the cost estimates presented in Attachment R of this Application are specific to the proposed PTF and are in addition to closure and post-closure plans and cost estimates previously submitted to the Arizona Department of Environmental Quality (ADEQ) and the United States Environmental Protection Agency (USEPA) for the surrounding property.

Information presented in this plan is more appropriately described as a closure strategy than a closure plan. Arizona Revised Statute (A.R.S.) § 49-243.A.8 requires applicants for individual permits to submit “closure strategies” with their applications, whereas Arizona Administrative Code (A.A.C.) R18-9-A209.B.3 requires an owner or operator of a permitted facility to submit a “closure plan” within 90 days after announcing an intent to permanently close all or part of the permitted facility.

In addition to this closure and post-closure plan, FCI is required to develop and comply with closure and post-closure plans in accordance the USEPA’s UIC regulations and to comply with the reclamation requirements of the Arizona State Land Department (ASLD) as specified in its regulations and in Mineral Lease No. 11-26500. The focus of this plan is to close the PTF components in a manner that will protect groundwater in accordance with APP and UIC regulations and that will be consistent with ASLD requirements.

1.2 PTF Description

The proposed components of the PTF include:

- PTF well field including four injection wells, nine recovery wells, seven observation wells, four multi-level sampling wells, well heads, piping, and liners.
 - Pipeline corridor including liner, sumps, a pipeline for pregnant leach solution (PLS), and a pipeline for raffinate/lixiviant.
 - Beneficiation area including:
 - Sulfuric acid delivery area, tank, transfer pump;
 - Dry lime delivery area, mixing tank, transfer pump;
 - Raffinate tanks, transfer pumps;
 - PLS tanks, transfer pumps; and
 - Solvent extraction/electrowinning (SX/EW) plant.
- **Note: All components listed under “Beneficiation Area” are located on impermeable liners and either drain directly to the runoff pond or drain to lined sumps for collection and return to the runoff pond.
- Runoff pond with sump and sump pump serving the beneficiation area.
 - Water impoundment with mechanical evaporators.
 - Motor control center.
 - Modular trailers for offices, control rooms, etc.
 - Groundwater supply well.

- Potable water tank and pump.
- Fire water tank and fire water pump.
- Low Expansion Foam fire suppression system.
- Diesel generators (portable).
- Septic holding tank.
- Overhead electric power supply.
- Security fencing around the beneficiation area and the water impoundment.
- Seven Point of Compliance (POC) wells.

1.3 Existing Facilities

There are no known existing discharging facilities located within the Pollutant Management Area (PMA), but there are existing features (wells, core holes, and underground workings) shown on Figure B-1 of this Application that are associated with exploration activities that were conducted in the 1970s and 1990s. Some of the existing wells and core holes will be abandoned in preparation of the PTF well field as described below. All other features will be unaffected by the development and operation of the PTF and will remain subject to the closure and post-closure requirements of APP No. 101704 and UIC Permit No. AZ396000001.

All wells and core holes within 500 feet of any injection well or recovery well located within the PTF well field will be abandoned before lixiviant injection may begin. They will be abandoned in accordance with Sections Q.2 through Q.4 of the Attachment Q, Plugging and Abandonment Plan (Well Abandonment Plan) included in the updated UIC application. As shown on Figure A-9 of the updated UIC application, some of the wells and core holes to be abandoned in advance of PTF operations are located south of the PMA, on FCI property.

1.4 Closure Objective

The closure objective, generally stated, is to ensure compliance with the requirements of A.R.S. §§ 49-243 B.2 and B.3 by preventing discharges of any pollutant that will cause or contribute to a violation of an Aquifer Water Quality Standard (AWQS) at the applicable POC, or that will further degrade at the applicable POC the quality of any aquifer that at the time of permit issuance violates the AWQS for that pollutant. To achieve the stated objective, FCI proposes to restore groundwater in the injection and recovery zone (IRZ) in which injection and recovery of in-situ copper recovery (ISCR) solutions are injected during PTF operations. The groundwater will be restored to a quality where constituents with AWQS meet the AWQS or pre-operational concentrations if the pre-operational concentrations exceed the AWQS. Restoring groundwater to that high quality results in a reduction of all groundwater constituents, not just constituents with AWQS. FCI also proposes to close surface facilities in a manner that will prevent contamination of the soil that could cause an exceedance of the pre-determined Soil Remediation Levels (SRLs) for residential property as listed in Appendix A of the Arizona Soil Remediation Standards and the Groundwater Protection Limits (GPLs) established by ADEQ.

This closure strategy addresses all components of the PTF, including APP-exempt facilities, to provide a comprehensive view of all proposed closure activities. This strategy and the related cost estimates provided in Attachment R of the updated UIC Application therefore address closure activities required by the APP, UIC, and ASLD programs. To avoid duplicative financial assurance, it is anticipated that the total amount of financial assurance provided to ADEQ as shown in Attachment R will be reduced by the amounts covered by requests, if any, of the USEPA and the ASLD for separate financial assurance instruments.

2 Description of Closure Activities

The following describes proposed activities for achieving the closure objective described in Section 1.4.

2.1 Closure Activities in the PTF Well Field

Closure activities in the PTF well field will occur in order of the following three steps: (1) restoration of groundwater quality in the IRZ to levels meeting AWQS or pre-operational concentrations if the pre-operational concentrations exceed AWQS; (2) closure (abandonment) of all PTF wells in accordance with the Well Abandonment Plan; and (3) closure of related surface facilities in the well field, including the pipeline corridor shown on Figure B-1.

Once the injection of lixiviant (raffinate specifically prepared for injection) is begun, the APP and the UIC Permit will require that hydraulic control be maintained in the portion of the oxide zone (IRZ) in which injection has occurred from the time that injection began until the groundwater quality in the IRZ has been restored to a quality that meets closure criteria specified in the two permits. Groundwater restoration will begin after the scheduled operations have been completed and after a notice is given in accordance with A.A.C. R18-A209.B.2.

As explained below, the groundwater restoration process involves rinsing the IRZ to reduce constituent concentrations to levels that meet AWQS or pre-operational concentrations if the pre-operational concentrations exceed AWQS. The groundwater pumped from the IRZ will flow through the same tanks, piping, and equipment as used during normal operations and will serve to rinse the tanks, piping, and equipment with increasingly high quality water over a period of several months. As a result, tanks, piping, and equipment will have been thoroughly rinsed by the time that ADEQ and USEPA approve the restoration and authorize the abandonment of the wells. This will allow the removal of all tanks, piping, equipment, and liners from the well field to the runoff pond to commence simultaneously with the abandonment of the wells. For contingency purposes, however, the last PTF components to be dismantled will be, in order, the runoff pond and the water impoundment.

2.1.1 Groundwater Restoration Process

The following is the process proposed for groundwater restoration. It assumes a notice of permanent cessation has been given in accordance with A.A.C. R18-A209.B.2 and a closure plan has been submitted in accordance with A.A.C. R18-A209.B.3.

1. Restoration of groundwater within the IRZ will begin after lixiviant injection has been discontinued. Restoration will be accomplished by using groundwater to sweep residual ISCR solutions into recovery wells. The groundwater may be pulled from the aquifer surrounding the IRZ or it may be pumped from nearby wells and then injected into the IRZ. Injection may occur with or without neutralizing material such sodium bicarbonate or other non-hazardous neutralizing agents. The duration, rate, and extent of injection and neutralization will vary as the concentrations of sulfate and other constituents detected in ISCR solutions in the recovery well header vary during the restoration process. Injection may occur through the wells used for injection during the PTF's operations, or the injection wells may be converted for use as recovery wells and vice versa in order to increase the rate of restoration throughout the IRZ.
2. As groundwater restoration nears completion, all injection wells will be converted to recovery wells to ensure that concentrations in recovery well header(s) are representative of groundwater quality in the IRZ.
3. Rinsing of the IRZ will continue and sulfate concentrations in the recovery well header solution will be periodically sampled.
4. When sulfate concentrations in the recovery well header solution decline below 750 milligrams per liter (mg/L), a sample of header water will be collected and analyzed for the Level 2 parameters (all parameters listed in Section 4.1, Table 4.1.7 of Temporary APP No. 106360 and Table P-4 of Attachment P of this Application).

5. Samples will be periodically collected from the recovery well header(s) and analyzed for Level 2 parameters until all constituents with AWQS either meet the AWQS or pre-operational concentrations if the pre-operational concentrations exceed the AWQS. (Pre-operational concentrations will be obtained by collecting groundwater samples from all PTF wells prior to the commencement of operations and analyzing the samples for all Level 2 parameters.) The “indicator sulfate concentration” will be the sulfate concentration in the recovery well header(s) existing at the time that the Level 2 analysis indicates that constituents with AWQS meet the AWQS or meet pre-operational background concentrations if those concentrations exceed the AWQS. After the indicator sulfate concentration has been determined, each well will be sampled for sulfate. Hydraulic control will continue until the sulfate concentration at each well is determined to meet the indicator sulfate concentration or alternate concentration as explained below. Provided that hydraulic control of the IRZ will be maintained, pumping from any well may be suspended when groundwater quality at that well is determined to meet the indicator sulfate concentration or alternate concentration.
6. Once the sulfate concentration at each well is less than the indicator sulfate concentration or alternate concentration, hydraulic control will be suspended at all wells in the IRZ for 30 days.
7. After 30 or more days have elapsed, the recovery wells will be re-energized and the sulfate concentration in solutions in the recovery well header(s) will be analyzed for sulfate. If the sulfate concentration(s) are equal to or below the indicator sulfate concentration or alternate concentration, the closure criteria will be deemed to have been met and the rinsing and maintenance of hydraulic control of the IRZ will be discontinued.
8. A closure report documenting the results of the restoration process will be submitted to ADEQ and USEPA and closure (abandonment) of the PTF wells will commence promptly after ADEQ and USEPA have reviewed the report and have authorized the abandonment of the wells.

The concept of using a well-specific alternate to the sulfate indicator concentration is based on the recognition that the sulfate concentration in some wells may be higher than the sulfate indicator concentration due to well-to-well variability in sulfate concentrations. A well would be eligible for an alternate concentration only if the sulfate concentration is less than 750 mg/L and the constituents meet AWQS or pre-operational concentrations if they exceed the AWQS.

2.1.2 Well Closure

The wells located within the PTF well field will be closed in accordance with the schedule described in Section 3 below if APP No. 101704 and UIC Permit No. AZ396000001 are not amended to authorize commercial ISCR operations prior to the expiration of the temporary APP for the PTF. If the permits are amended to authorize commercial ISCR operations, the wells in the PTF well field will be subject to the requirements of those permits. If the wells are required to be closed within the term of the temporary APP, they will be abandoned in accordance with the Plugging and Abandonment Plan (Well Abandonment Plan), Attachment Q of the updated UIC Application. The Well Abandonment Plan is based on requirements of A.A.C. R12-15-816, administered by the Arizona Department of Water Resources (ADWR), and 40 CFR 146.10, administered by the USEPA.

2.1.3 Closure of Surface Facilities

Once the PTF wells have been abandoned in accordance with the Well Abandonment Plan, equipment in the well field not previously removed as part of the well abandonment process will be removed. Such equipment may include electrical equipment, power lines and poles; tanks; pipes; and all liners within the well field. Similar removal activities will occur throughout the PTF. During the removal process, some liquid and solid residues may be generated such as the removal of accumulated dust from liners. Such liquids and solid residues will be placed in the runoff pond or water impoundment, or shipped to appropriately licensed off-site disposal facilities.

Due to the extensive use of liners, containment sumps and other devices, it is anticipated that soil contamination will be minimal and that the PTF soils will qualify for clean closure in accordance with A.A.C. R18-9-A209.B.3. As liners are removed, they will be inspected for evidence of holes, tears, or defective seams that may have leaked. Soil in the area beneath the liner will be inspected and samples will be collected and analyzed in accordance with a site investigation plan previously submitted to and approved by ADEQ, as required by A.A.C. R18-9-A209.B.3. It is anticipated that the plan will require more intense sampling and analysis in any area where visible contamination is apparent (e.g., moist spots beneath liners) and a broader grid sampling approach where contamination is not apparent. Estimates of sampling costs are included in the closure cost estimates provided in Attachment R of this Application. The soil investigation plan will require that ADEQ be promptly provided a remediation plan if the soil sampling and analysis described above provides verification of an exceedance of an SRL or a GPL, and that ADEQ's approval be obtained prior to implementing the plan.

Decommissioned power poles, lines, and electrical equipment may be salvaged. Clean liners and pipes may also be salvaged or sent to facilities that recycle such material. All material that cannot be reused or salvaged will be transported to an appropriately licensed facility for disposal. Although the salvage of liners and piping is anticipated, the cost estimates in Attachment R include the cost of disposal for those items.

Once all equipment, liners, and other materials have been removed from the well field, pipeline corridor, and other PTF components, disturbed areas will be tested, backfilled as needed, disked, and a grader or other suitable equipment will level and contour the areas and any related berms to grades that are consistent with pre-development grades. The areas will then be prepared for seeding. Seeding of disturbed or reclaimed areas will occur only between September 15 and November 30.

2.2 *Materials Management*

Closure of the PTF components will require safe handling and disposal of all solutions associated with the facilities. Process tanks and the runoff pond will be emptied of any remaining solution. All solutions will be shipped off site for use or disposal in accordance with applicable regulations, or they will be neutralized and placed in the water impoundment. As the IRZ restoration process proceeds, the emptied tanks and ponds will have been rinsed with water produced during the restoration process and the rinse water will be placed in the water impoundment.

Unused electrowinning reagents, fuels, lubricants, and other chemicals along with warehoused materials will be packaged in accordance with Department of Transportation regulations and shipped off site or disposed of in accordance with applicable regulation. The closure objective is to have all chemicals removed off site and disposed of in a manner that meets all applicable codes and regulations.

2.3 *Soil Management*

Consistent with the ADEQ Clean Closure Guidance (December 2004) and A.A.C. R18-9-A209.B.3, a site investigation plan for evaluating the quality of the soil and the vadose zone after facilities have been removed will be developed for ADEQ's review and approval before closure is begun.

All closure activities will be designed and conducted in accordance with applicable criteria in the Best Available Demonstrated Control Technology (BADCT) Guidance Manual. All closure activities will be conducted in a manner to prevent spillage of contaminants onto soil and, as tanks and underlying liners are removed, underlying soil will be inspected for signs of leakage. The same process will apply to the liners of the pipeline corridor, the runoff pond, and the water impoundment. Soil samples will be collected and analyzed in accordance with the approved site investigation plan. Soil cleanup (remediation) plans will be submitted for ADEQ approval in areas where residential SRL or GPL exceedances are verified. The remediation plans will be designed to achieve constituent levels that will be consistent with the expected post-closure use.

After remediation plans have been implemented and residual soil conditions are approved by ADEQ, the excavated area will be backfilled, disked, and leveled consistent with the area's pre-development grade. Seeding of the area will occur only between September 15 and November 30.

2.4 Closure Monitoring

Closure monitoring will consist of physical inspections of surface facilities and monitoring of groundwater quality at the POC wells and supplemental monitoring wells during the closure period.

Inspection monitoring of surface facilities will continue through the closure period at each of the locations and at the frequencies specified in Temporary APP No. 106360 and the UIC Permit until liquid and solid residues have been removed from the facilities being monitored. POC well and supplemental monitoring well monitoring will be in accordance with the requirements of the temporary APP at the seven proposed POC wells listed in Temporary APP No. 106360 and the seven supplemental monitoring wells identified in the UIC Permit. The POC well and supplemental monitoring well monitoring programs will include two components (Level 1 and Level 2). Level 1 and Level 2 monitoring refer respectively to sampling and analysis of groundwater for the parameters listed in Tables 4.1-6 and 4.1-7 of Temporary APP No. 106360 and Tables P-3 and P-4 of Attachment P of the UIC Permit. The monitoring will occur quarterly for Level 1 parameters and annually for Level 2 parameters. The contingency plan will be implemented in accordance with the temporary APP and the UIC Permit throughout the closure period with respect to inspection monitoring as long as liquids and solid residues remain in the facilities being monitored. The contingency plan will be implemented with respect to the exceedance of Alert Levels (ALs) and Aquifer Quality Limits (AQLs) listed in Tables 4.1-6 and 4.1-7 of Temporary APP No. 106360 and Tables P-3 and P-4 of Attachment P of the UIC Permit throughout the closure period.

2.5 Post-Closure Monitoring

The post-closure monitoring program will primarily involve groundwater monitoring at the seven POC wells and supplemental monitoring wells because, during closure, all injection and recovery wells will be properly abandoned. All other PTF components used to store or manage ISCR solutions will also be dismantled and removed after all material contained in the components have been removed. Inspection of the closed areas will occur during POC well and supplemental monitoring well monitoring events and will focus on POC wells, supplemental monitoring wells, signage, fences, re-vegetated areas, and storm water control measures. The inspections will also focus on the maintenance of conditions required to support disturbed areas to conditions existing prior to the development and operation of the PTF or to such other conditions as specified by ASLD in Mineral Lease 11-26500, as may be amended. Photographs and written reports will be used to document observed conditions.

Groundwater monitoring at the POC wells and supplemental monitoring wells will be conducted quarterly throughout the post-closure period with Level 1 monitoring conducted three quarters per year and Level 2 monitoring conducted one quarter per year. Data generated from each monitoring event will be promptly reviewed and the contingency plans referenced in Section 2.6 of Temporary APP No. 106360 and the UIC Permit will be followed in the event of an exceedance of an AQL.

3 Closure/Post-Closure Schedules

3.1 Closure Schedules

The following discussion of closure and post-closure schedules is based on closure requirements of the temporary APP.

During PTF operations, a site investigation plan and closure plan will be developed and submitted to ADEQ in accordance with A.A.C. R18-9-A209(B)(1) and A.A.C. R18-9-A209(B)(3), respectively. The site investigation and closure plan submitted to ADEQ will be submitted to USEPA for review and approval before closure operations commence. After FCI formally gives notice to ADEQ in accordance with A.A.C. R18-9-A209(B)(2), and to USEPA of its intent to permanently cease PTF operations, injection of lixiviant will

be discontinued. However, FCI will maintain hydraulic control at the IRZ until closure criteria specified in the temporary APP and the related UIC Permit have been met. FCI will also continue all monitoring required by the temporary APP and the related UIC Permit.

The closure schedule discussed below is based on the recognition that A.A.C. R18-9-A210(E) provides that a temporary APP expires after one year unless it is renewed, and that the permit may be renewed no more than one time. If the temporary permit is renewed, FCI proposes to operate the PTF for up to 14 months and to begin closure no later than the first day of the 15th month. For purposes of estimating the closure costs included in Attachment R of the updated UIC application, an estimate was prepared of the amount of sediment and liquid remaining in the water impoundment at the end of the 14th month and at the end of the 23rd month, following commencement of operations. The estimated amounts assume the PLS flow from the recovery wells during ISCR operations will be 300 gallons per minute (gpm), which is equivalent to the maximum design flow (expressed as gallons per day) and 250 gpm during the restoration phase.

It is estimated that up to seven to nine months will elapse between the time that lixiviant injection ceases and the time that groundwater is determined to meet the closure criteria (See Step 7 of Section 2.1.1 above). As noted in Step 8 of Section 2.1.1, abandonment of the PTF wells may not proceed until ADEQ and USEPA review a report describing the results of the IRZ closure activities and approve the abandonment of the wells.

It is estimated that up to two months will be required to abandon the wells and complete closure of all PTF surface facilities once ADEQ and USEPA approve the abandonment of the wells and contractors have mobilized to the site. The relatively short time estimate is based on the recognition that tanks and piping will have been well rinsed before the approval to abandon the wells is given. That will allow closure of most surface facilities to begin at the same time that well abandonment begins. Closure of the runoff pond and the water impoundment will begin promptly after closure of the well field commences and after they are determined to be no longer needed to receive rinse water or other liquids generated during the closure process. FCI will submit a notice and report, with documentation, in accordance with the requirements of A.A.C. R18-9-A209(C) within 30 days following completion of the closure plan.

3.2 Post-Closure Monitoring Schedule

The post-closure monitoring schedule will be synchronized, to the extent practicable, with the applicable closure/post-closure schedule established under APP No. 101704 and UIC Permit No. AZ396000001 requirements. Temporary APP No. 106360 allows a five-year post-closure period, as described below. Accordingly, Attachment R includes a cost estimate for a five-year period.

- Years 1 – 4: Three quarterly Level 1 sampling events and one quarterly Level 2 event will be conducted each year. Quarterly reports will be submitted to ADEQ and USEPA.
- Year 5: Three quarterly Level 1 sampling events and one quarterly Level 2 event will be conducted. Quarterly reports will be submitted to ADEQ and USEPA. In addition, during the first quarter, a report will be submitted to ADEQ and USEPA that summarizes trends and describes significant events observed during the previous four years. Based on the information provided in the report, FCI will recommend continuation of post-closure monitoring or cessation of post-closure monitoring. If FCI recommends continuation of monitoring, the recommendation may include proposed changes in the scope and frequency of analysis. Within 180 days following its receipt of the report, ADEQ and USEPA will advise FCI of their decisions. The monitoring program will continue throughout the fifth year until such time that ADEQ and USEPA announces their decisions. If ADEQ's and USEPA's decision involves continuation of the monitoring program for the next five-year period, or portion thereof, FCI will adjust the cost estimates to reflect estimated costs for implementing that decision, and will adjust the financial assurance required for the period covered by ADEQ's and USEPA's decision.

During POC monitoring events, visual inspection of surface facilities will be conducted. Inspections will include, as appropriate, POC wells, signage, fences, re-vegetated areas, and storm water control measures. Conditions noted during inspections will be documented using inspection forms. Photographs and written reports will be used to document completion of indicated repairs. Repairs will be performed as indicated by the inspection monitoring program and will be documented in quarterly reports submitted to ADEQ and USEPA. FCI will submit a notice and report, with documentation, in accordance with the requirements of A.A.C. R18-9-A209(C) within 30 days following completion of the post-closure plan.

4 Closure/Post-Closure Cost Estimates

Attachment R of the updated UIC application includes closure and post-closure cost estimates for the PTF. Although the piping and lining may be recycled, the closure cost estimates reflect the estimated cost of disposing of the material in an appropriately licensed landfill. The post-closure costs included in Attachment R assume that the seven POC wells and seven supplemental monitoring wells will be monitored for five years and that the ADEQ and USEPA will agree that post-closure monitoring for purpose of the temporary APP and UIC Permit will not be required beyond the fifth year. At the expiration of the post-closure requirements, all POC wells except M54-O and M54-LBF would remain in service for POC monitoring as required by APP No. 101704 and UIC Permit No. AZ396000001. The supplemental monitoring wells and wells M54-O and M54-LBF are not currently included as POC wells or supplemental monitoring wells in those permits and are within the PMA established by APP No. 101704. If commercial operations proceed following completion of PTF operations, the supplemental monitoring wells and wells M54-LBF and M54-O will be plugged and abandoned because they are located within the mineralized area that will be mined during commercial operations. If ADEQ and USEPA require an extension of the five-year post-closure monitoring, FCI will submit to ADEQ and USEPA estimated costs of conducting the additional post-closure monitoring and will submit appropriate financial assurance.

Exhibit Q-4

**EPA Forms 7520-14, Plugging and Abandonment Plans
for Class III Wells**

BHP WELLS



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
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Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 390 ft. frm (N/S) S Line of quarter section and 435 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-1	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"		20	20	unknown	<input checked="" type="checkbox"/> The Balance Method
8"		403	403	12.75	<input type="checkbox"/> The Dump Bailer Method
1.5"		360	360	5.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.875	8					
Depth to Bottom of Tubing or Drill Pipe (ft)		740	403					
Sacks of Cement To Be Used (each plug)		50	110					
Slurry Volume To Be Pumped (cu. ft.)		63	141					
Calculated Top of Plug (ft.)		403	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
403	740		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

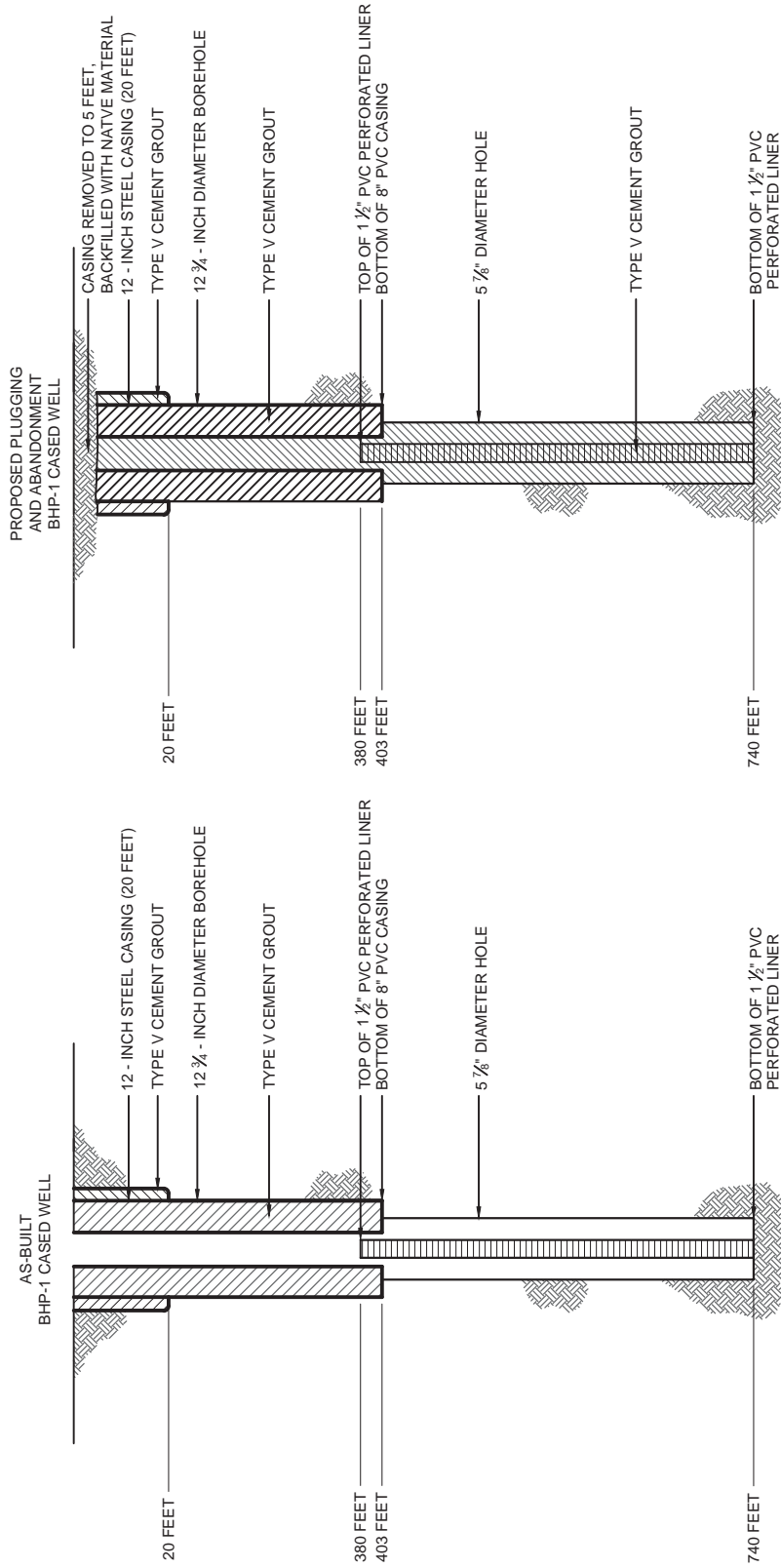
Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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Paperwork Reduction Act Notice

The public reporting and record keeping burden for this collection of information is estimated to average 4.5 hours for operators of Class I hazardous wells, 1.5 hours for operators of Class I non-hazardous wells, 3 hours for operators of Class II wells, and 1.5 hours for operators of Class III wells.

Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to the collection of information; search data sources; complete and review the collection of information; and, transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control numbers for EPA's regulations are listed in 40 CFR Part 9 and 48 CFR Chapter 15.

Please send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including the use of automated collection techniques to Director, Office of Environmental Information, Collection Strategies Division, U.S. Environmental Protection Agency (2822), Ariel Rios Building, 1200 Pennsylvania Ave., NW., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, 725 17th Street, NW., Washington, DC 20503, Attention: Desk Officer for EPA. Please include the EPA ICR number and OMB control number in any correspondence.



NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the well as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

HALEY & ALDRICH

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-1 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 SEPTEMBER 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 335 ft. frm (N/S) S Line of quarter section and 485 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-2	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS	
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE		
12"		20	20	unknown	<input checked="" type="checkbox"/> The Balance Method	
8"		408	408	12	<input type="checkbox"/> The Dump Bailer Method	
4"		480	480	5.875	<input type="checkbox"/> The Two-Plug Method	
					<input type="checkbox"/> Other	

CEMENTING TO PLUG AND ABANDON DATA:				PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)				5.875	7.75	8				
Depth to Bottom of Tubing or Drill Pipe (ft)				770	496	408				
Sacks of Cement To Be Used (each plug)				40	23	112				
Slurry Volume To Be Pumped (cu. ft.)				52	29	142				
Calculated Top of Plug (ft.)				496	408	0				
Measured Top of Plug (if tagged ft.)				NA	NA	NA				
Slurry Wt. (Lb./Gal.)				15.4	15.4	15.4				
Type Cement or Other Material (Class III)				Type V	Type V	Type V				

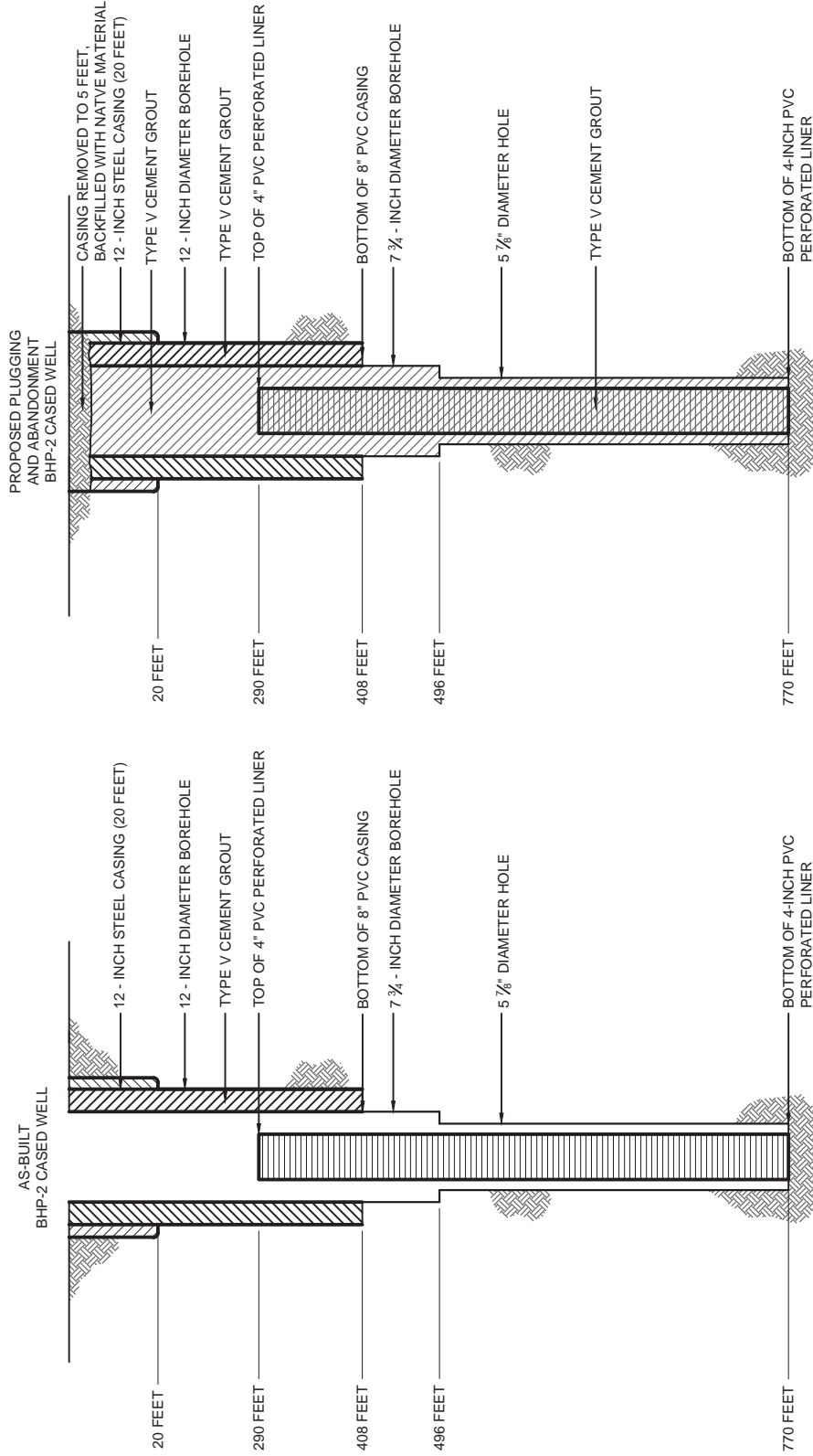
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From		To	
496		770	

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the liner as possible is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

HALEY & ALDRICH

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-2 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 440 ft. frm (N/S) S Line of quarter section and 485 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-3	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"		20	20	unknown	<input checked="" type="checkbox"/> The Balance Method
8"		403	403	12.25	<input type="checkbox"/> The Dump Bailer Method
1.5"		860	457	5.875	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.875	8					
Depth to Bottom of Tubing or Drill Pipe (ft)		860	403					
Sacks of Cement To Be Used (each plug)		68	110					
Slurry Volume To Be Pumped (cu. ft.)		86	141					
Calculated Top of Plug (ft.)		403	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

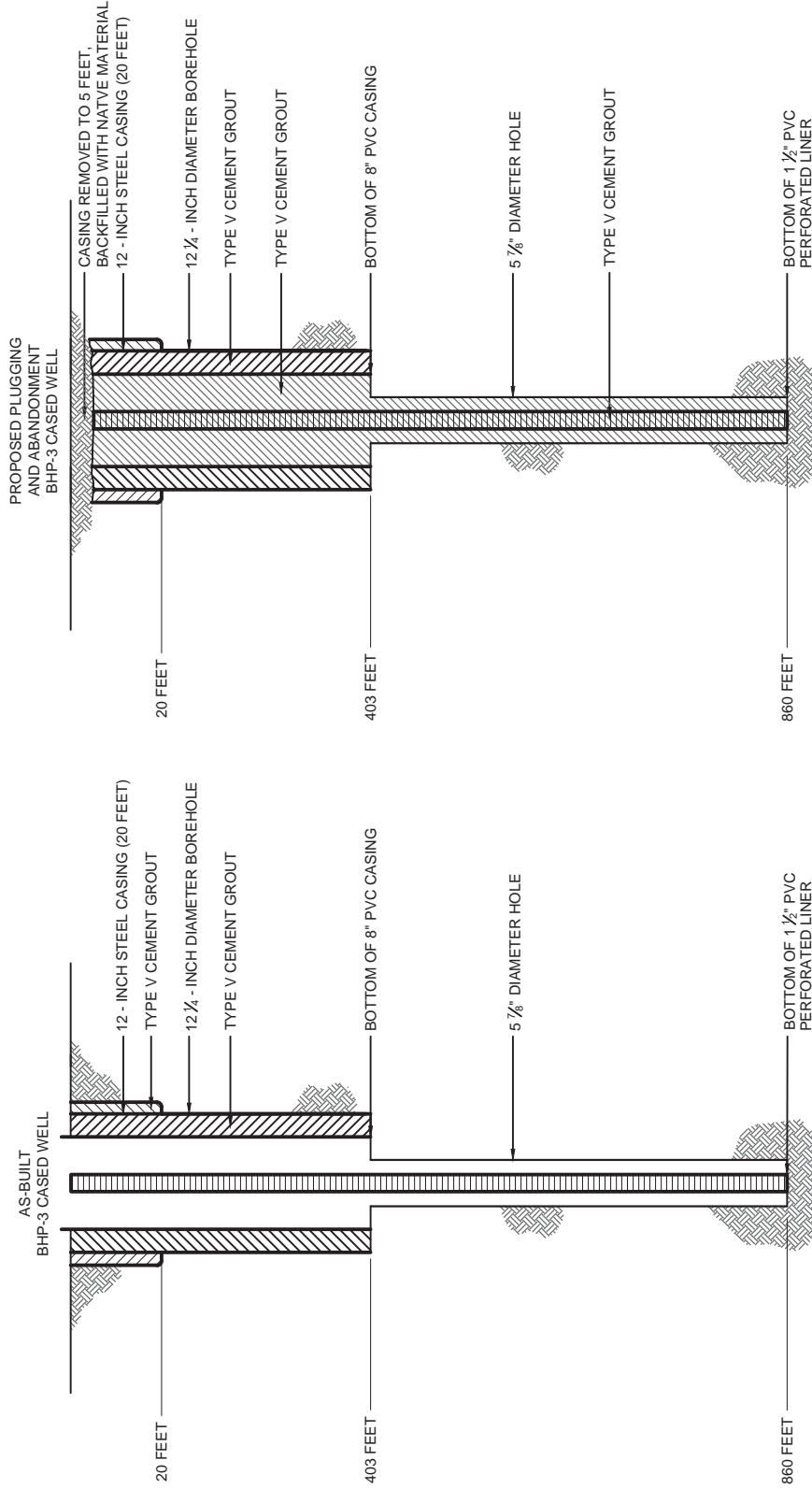
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
403	860		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the well as is practicable. In BHP wells that have 1 1/2 -inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE: WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.



FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-3 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 440 ft. frm (N/S) S Line of quarter section and 385 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-4	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS	
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE		
12"		20	20	unknown	<input checked="" type="checkbox"/> The Balance Method	
8"		403	403	12.25	<input type="checkbox"/> The Dump Bailer Method	
4"		401	401	5.875	<input type="checkbox"/> The Two-Plug Method	
					<input type="checkbox"/> Other	

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.875	8					
Depth to Bottom of Tubing or Drill Pipe (ft)		742	403					
Sacks of Cement To Be Used (each plug)		50	141					
Slurry Volume To Be Pumped (cu. ft.)		64	110					
Calculated Top of Plug (ft.)		339	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

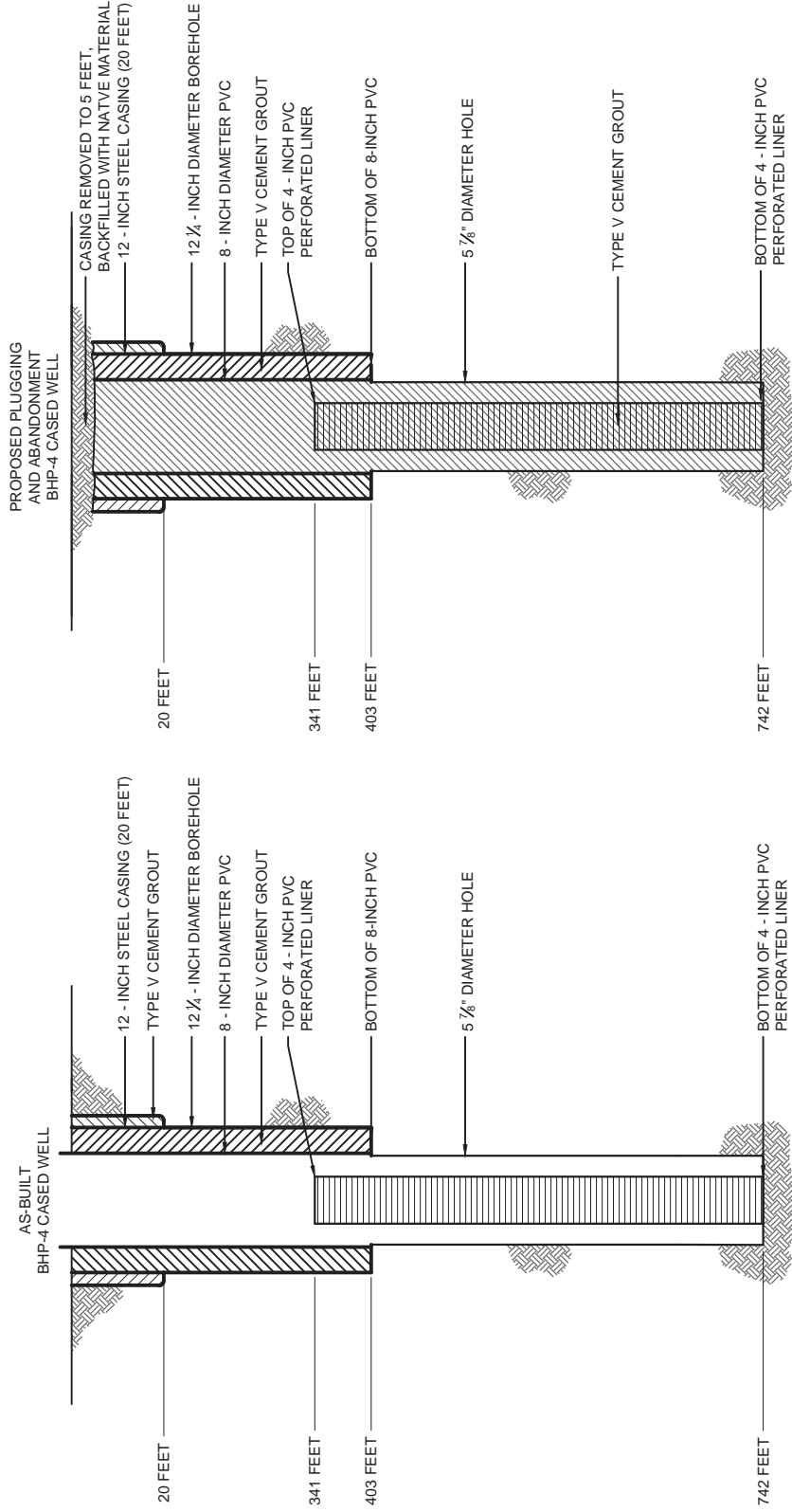
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
403	742		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE:
 WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.



FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-4 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 340 ft. frm (N/S) S Line of quarter section and 385 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-5	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS	
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE		
12"		20	20	unknown	<input checked="" type="checkbox"/> The Balance Method	
8"		403	403	12.25	<input type="checkbox"/> The Dump Bailer Method	
4"		401	401	5.875	<input type="checkbox"/> The Two-Plug Method	
					<input type="checkbox"/> Other	

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.125	8					
Depth to Bottom of Tubing or Drill Pipe (ft)		776	403					
Sacks of Cement To Be Used (each plug)		42	110					
Slurry Volume To Be Pumped (cu. ft.)		53	141					
Calculated Top of Plug (ft.)		403	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

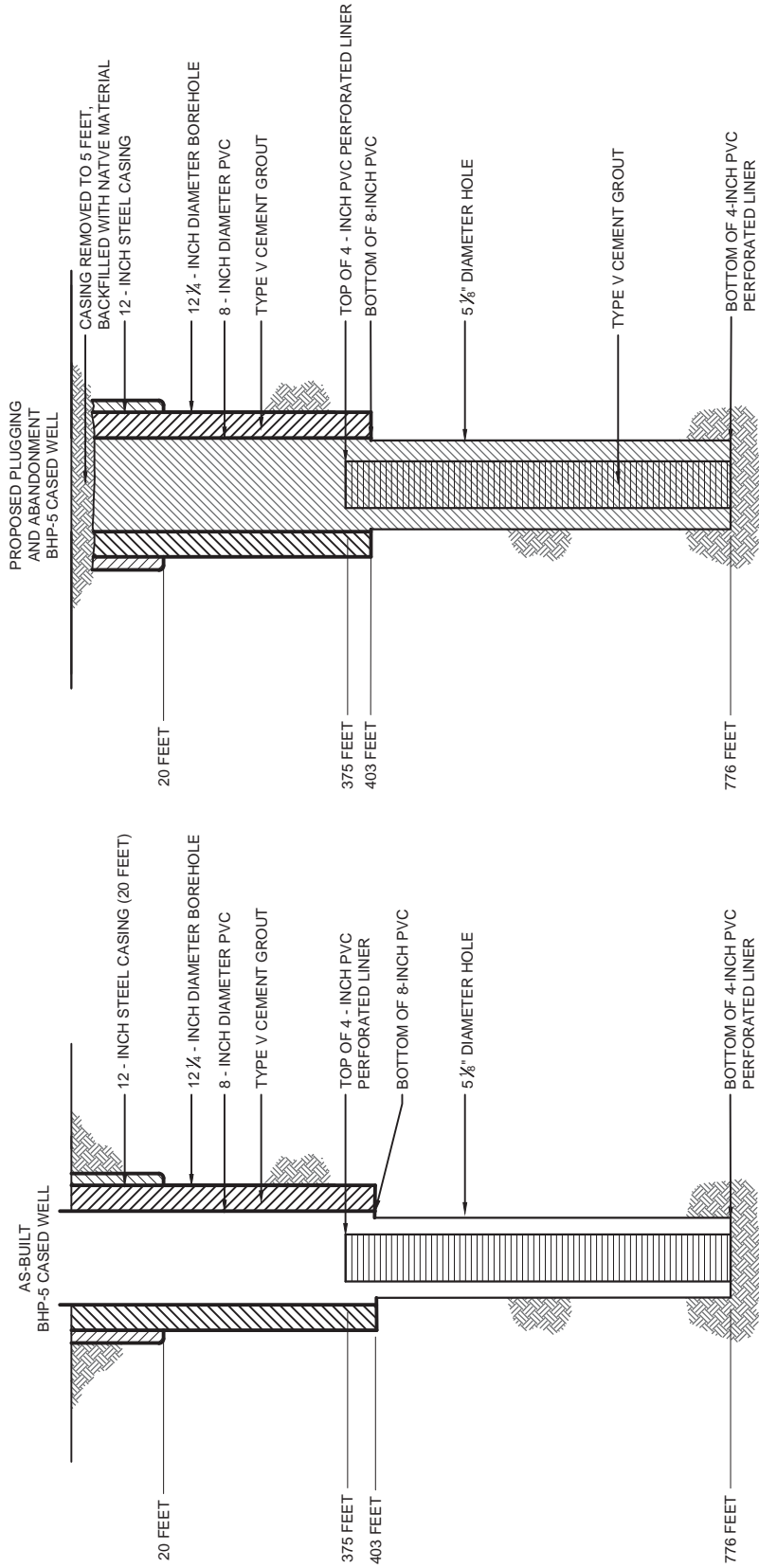
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
403	776		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 - inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTES:

WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.



FLORENCE COPPER INC.
FLORENCE, ARIZONA

WELL BHP-5 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 385 ft. frm (N/S) S Line of quarter section and 485 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-6	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"		20	20	unknown	<input checked="" type="checkbox"/> The Balance Method
7"		415	415	10.625	<input type="checkbox"/> The Dump Bailer Method
1.5"		420	420	5.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		770	410					
Sacks of Cement To Be Used (each plug)		42	86					
Slurry Volume To Be Pumped (cu. ft.)		54	110					
Calculated Top of Plug (ft.)		410	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

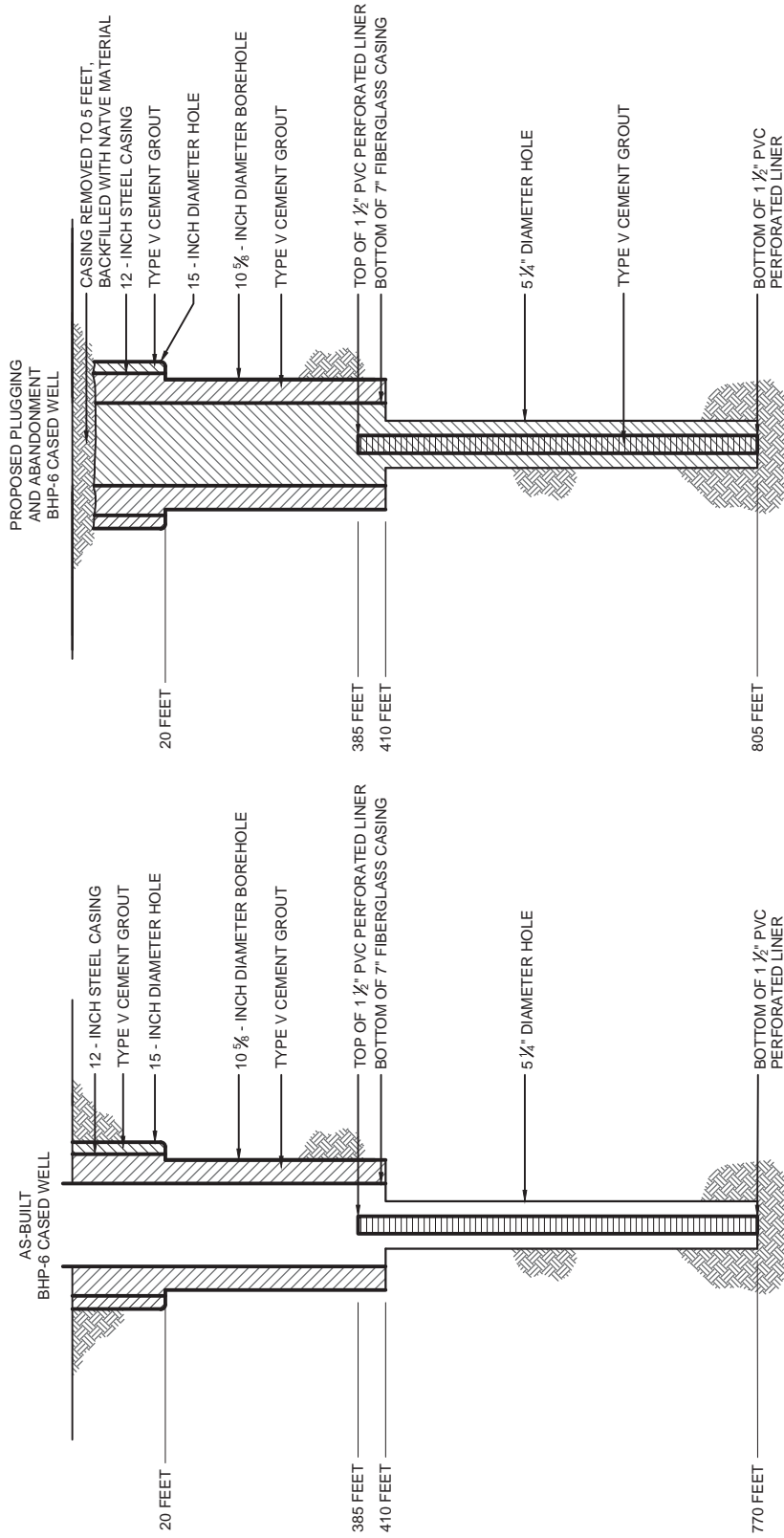
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
410	805		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
---	----------------------	----------------------------------



NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE
 WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-6 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 440 ft. frm (N/S) S Line of quarter section and 435 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-7	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"		20	20	unknown	<input checked="" type="checkbox"/> The Balance Method
7"		410	410	10.625	<input type="checkbox"/> The Dump Bailer Method
1.5"		360	360	5.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		760	410					
Sacks of Cement To Be Used (each plug)		41	86					
Slurry Volume To Be Pumped (cu. ft.)		53	110					
Calculated Top of Plug (ft.)		410	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

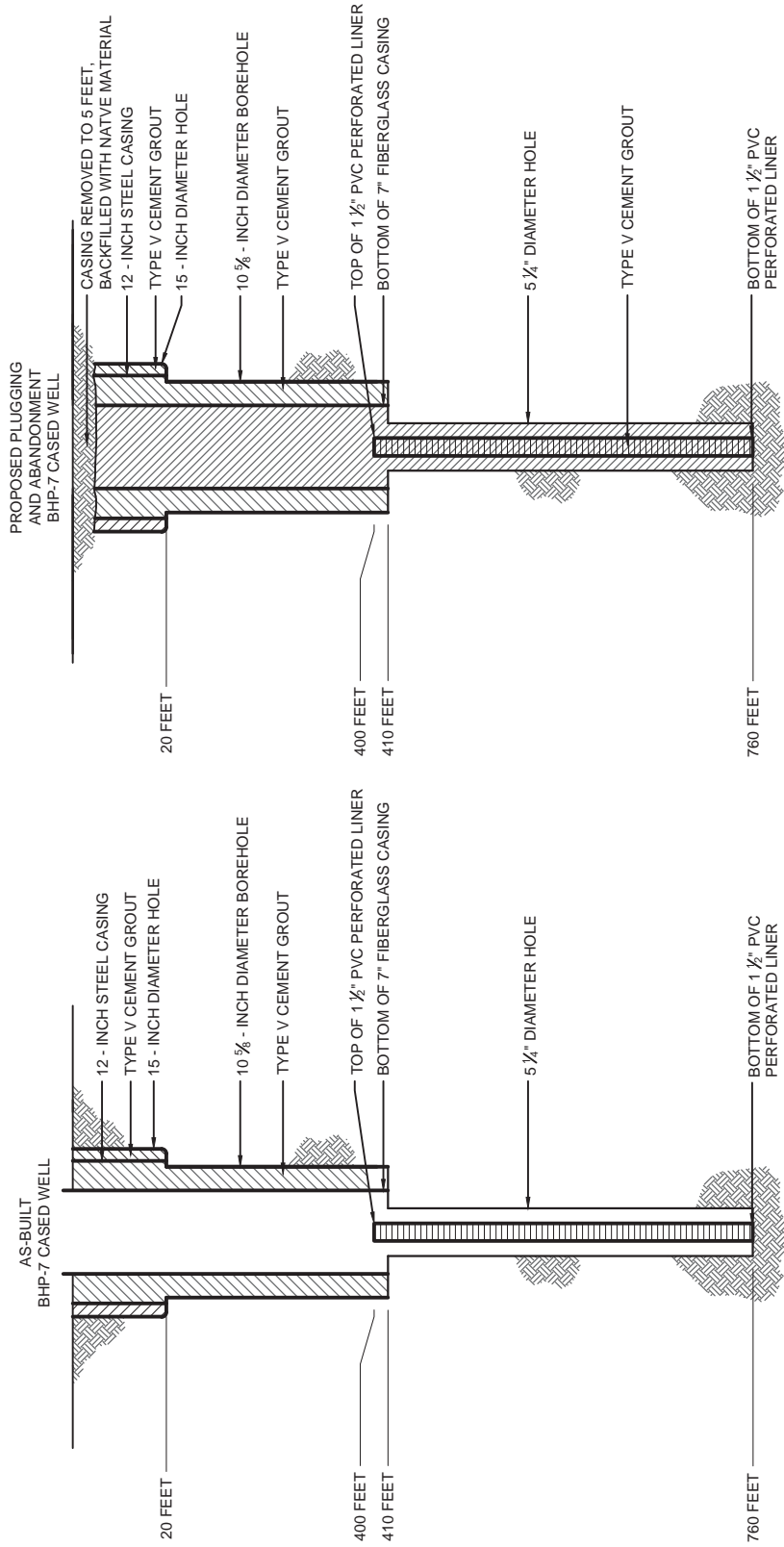
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
410	760		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
---	----------------------	----------------------------------



NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBF-U/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the well as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE as close to the bottom of the bore hole as is practicable.
 WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-7 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 385 ft. frm (N/S) S Line of quarter section and 385 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-8	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"		20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"		410	410	10.625	<input type="checkbox"/> The Dump Bailer Method
1.5"		380	380	5.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		740	410					
Sacks of Cement To Be Used (each plug)		39	86					
Slurry Volume To Be Pumped (cu. ft.)		50	110					
Calculated Top of Plug (ft.)		410	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

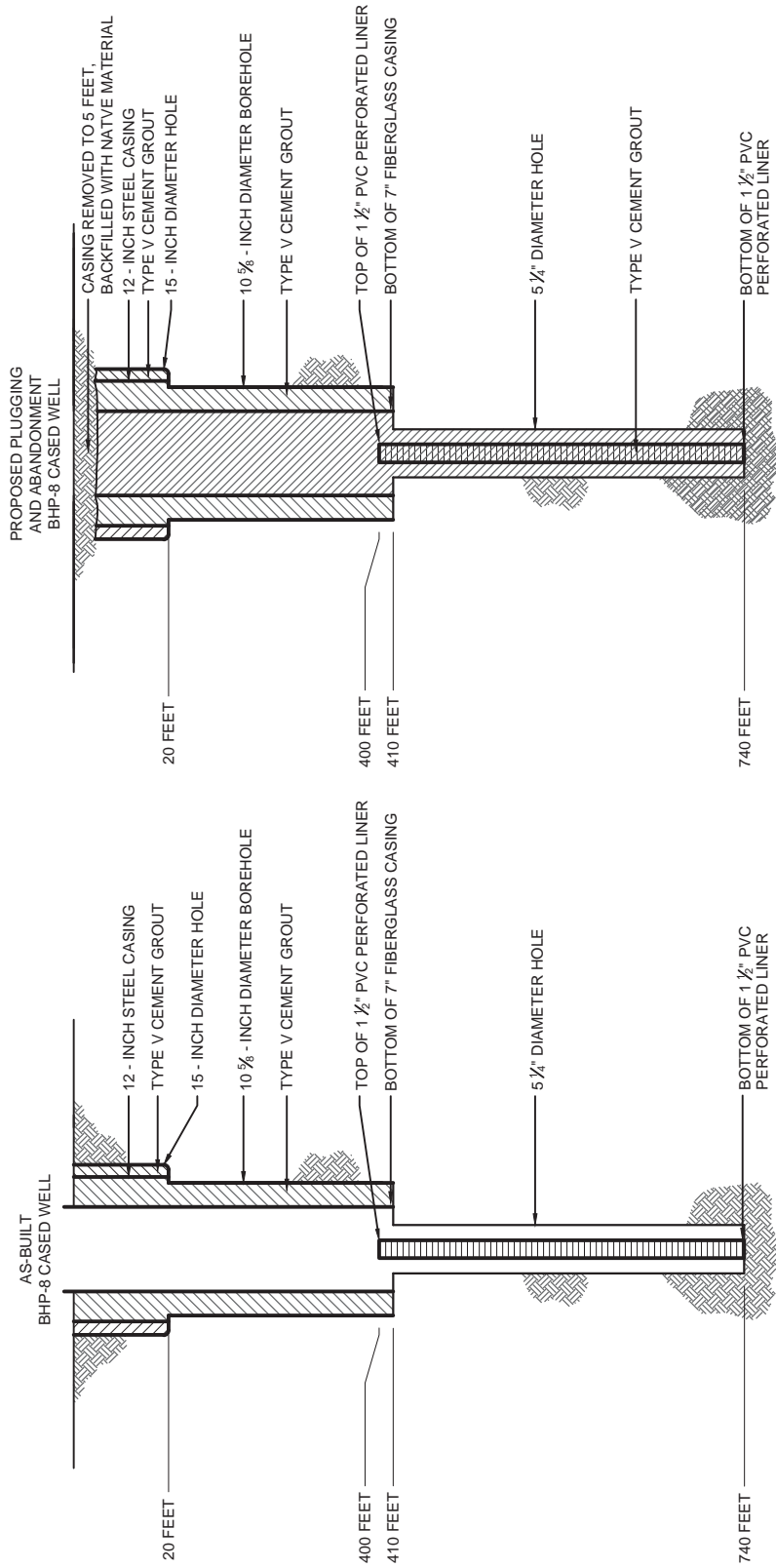
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
410	780		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

- Well design details are based on BHP records.
- Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the liner as is practicable. In BHP wells that have 1 1/2 -inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE: WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-8 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 335 ft. frm (N/S) S Line of quarter section and 435 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-9	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"	unknown	410	410	10.625	<input type="checkbox"/> The Dump Bailer Method
1.5"	unknown	440	440	5.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		840	410					
Sacks of Cement To Be Used (each plug)		51	86					
Slurry Volume To Be Pumped (cu. ft.)		65	110					
Calculated Top of Plug (ft.)		410	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

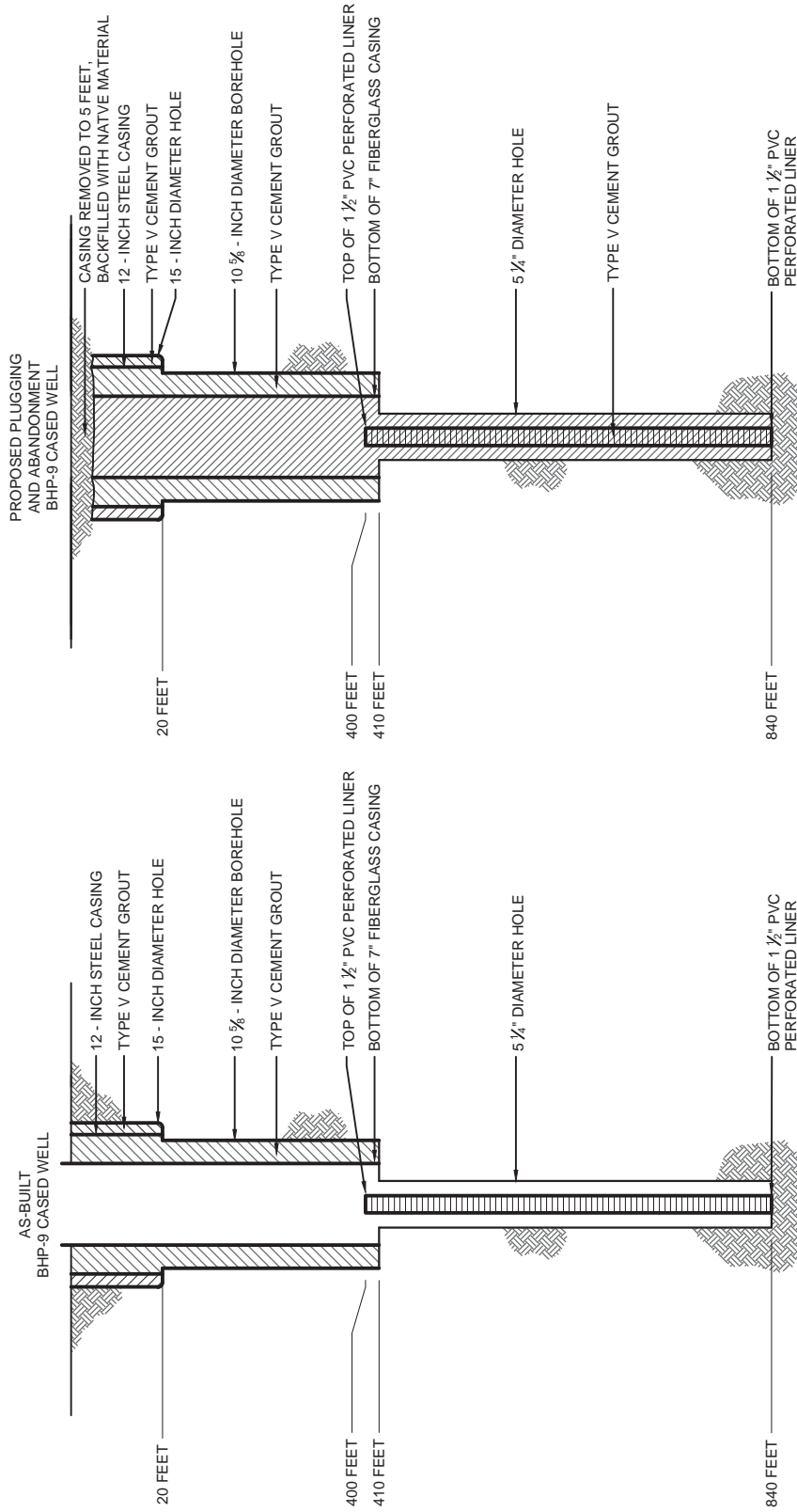
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
410	840		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

- Well design details are based on BHP records.
- Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE: WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-9 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 385 ft. frm (N/S) S Line of quarter section and 535 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-10	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"	unknown	400	400	10.625	<input type="checkbox"/> The Dump Bailer Method
1.5"	unknown	420	420	5.875	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.875	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		820	400					
Sacks of Cement To Be Used (each plug)		50	84					
Slurry Volume To Be Pumped (cu. ft.)		63	107					
Calculated Top of Plug (ft.)		400	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

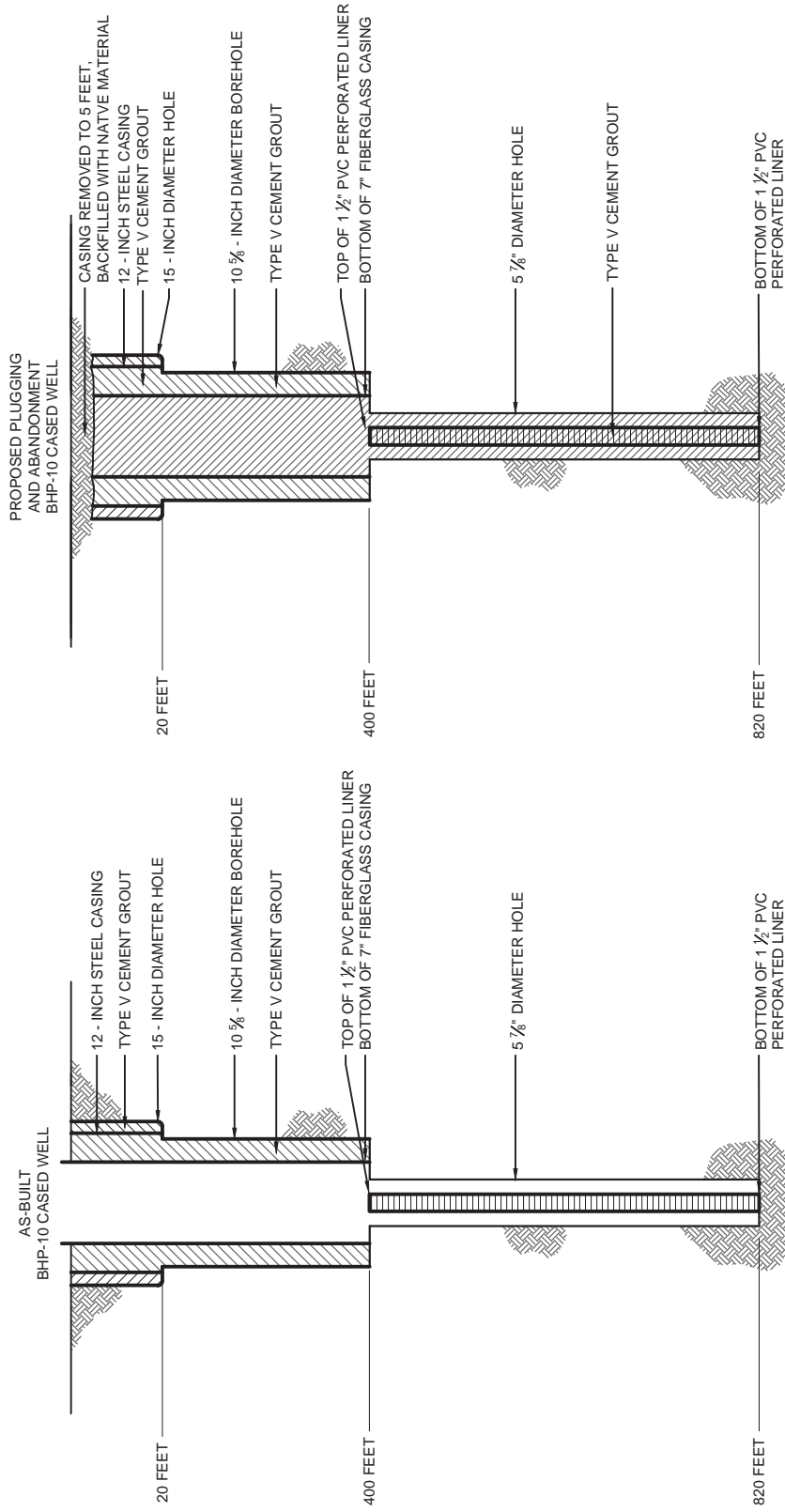
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
400	820		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE: AS SHOWN
 JULY 2014

HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-10 SCHEMATIC DIAGRAM



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 490 ft. frm (N/S) S Line of quarter section and 435 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-11	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"	unknown	400	400	10.625	<input type="checkbox"/> The Dump Bailer Method
4"	unknown	420	420	5.875	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.875	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		805	400					
Sacks of Cement To Be Used (each plug)		60	84					
Slurry Volume To Be Pumped (cu. ft.)		76	107					
Calculated Top of Plug (ft.)		400	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

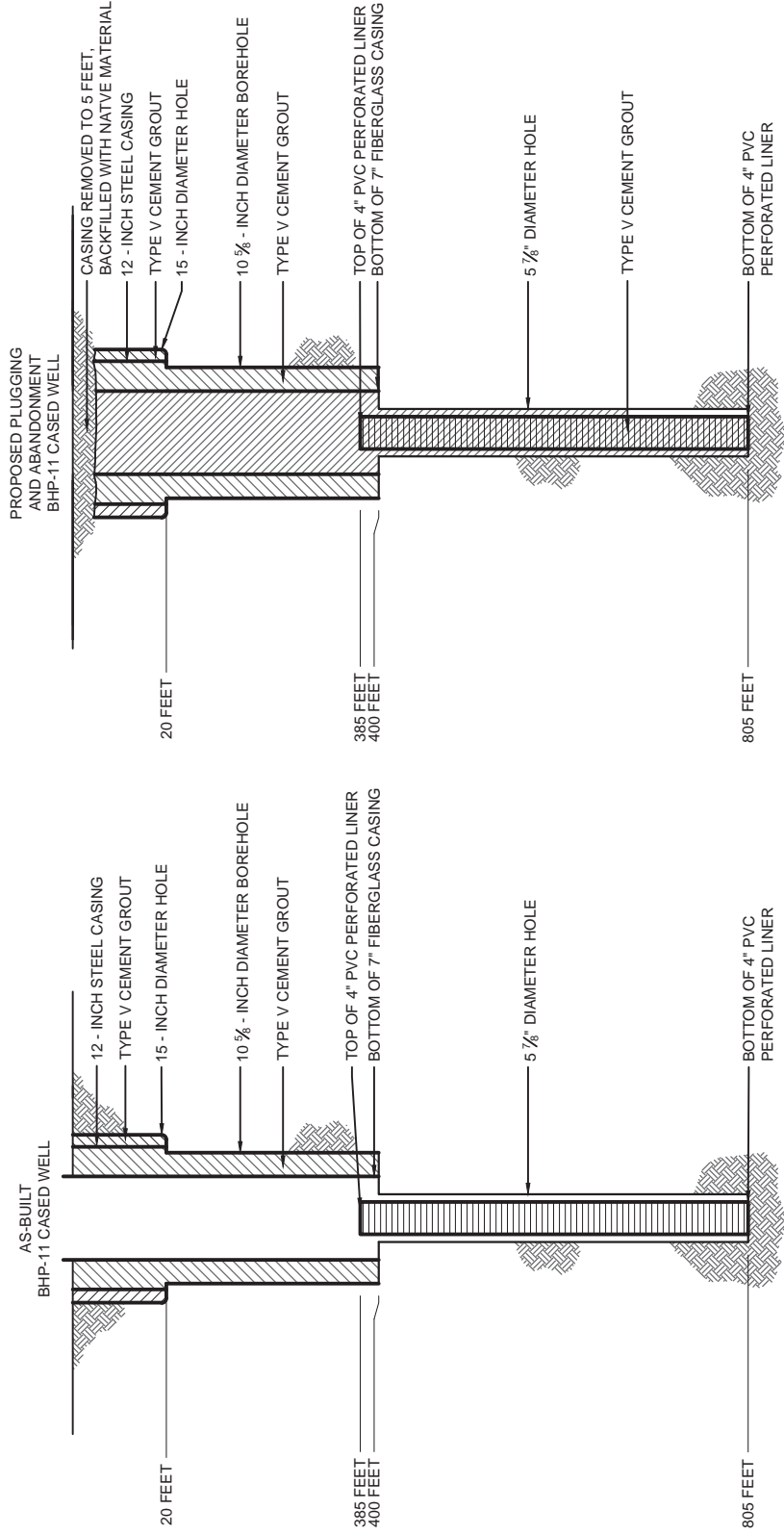
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
400	805		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

HALEY & ALDRICH

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-11 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 385 ft. frm (N/S) S Line of quarter section and 335 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-12	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"	unknown	400	400	10.625	<input type="checkbox"/> The Dump Bailer Method
4"	unknown	380	380	5.875	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.875	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		770	400					
Sacks of Cement To Be Used (each plug)		55	84					
Slurry Volume To Be Pumped (cu. ft.)		70	107					
Calculated Top of Plug (ft.)		400	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

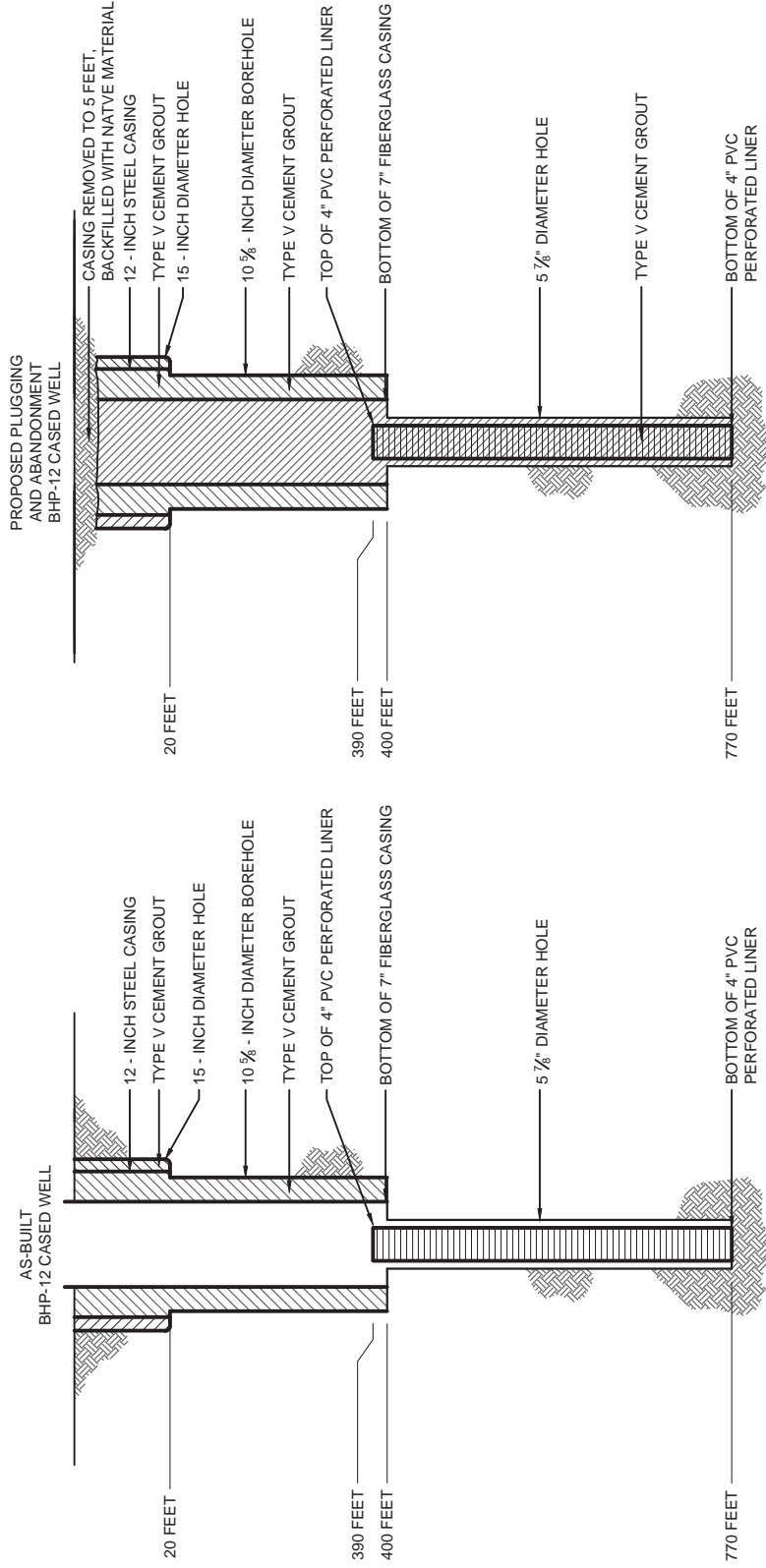
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
400	770		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

- Well design details are based on BHP records.
- Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-12 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 290 ft. frm (N/S) S Line of quarter section and 435 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number BHP-13	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"	unknown	420	420	10.625	<input type="checkbox"/> The Dump Bailer Method
4"	unknown	440	440	5.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		826	420					
Sacks of Cement To Be Used (each plug)		48	88					
Slurry Volume To Be Pumped (cu. ft.)		61	112					
Calculated Top of Plug (ft.)		420	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

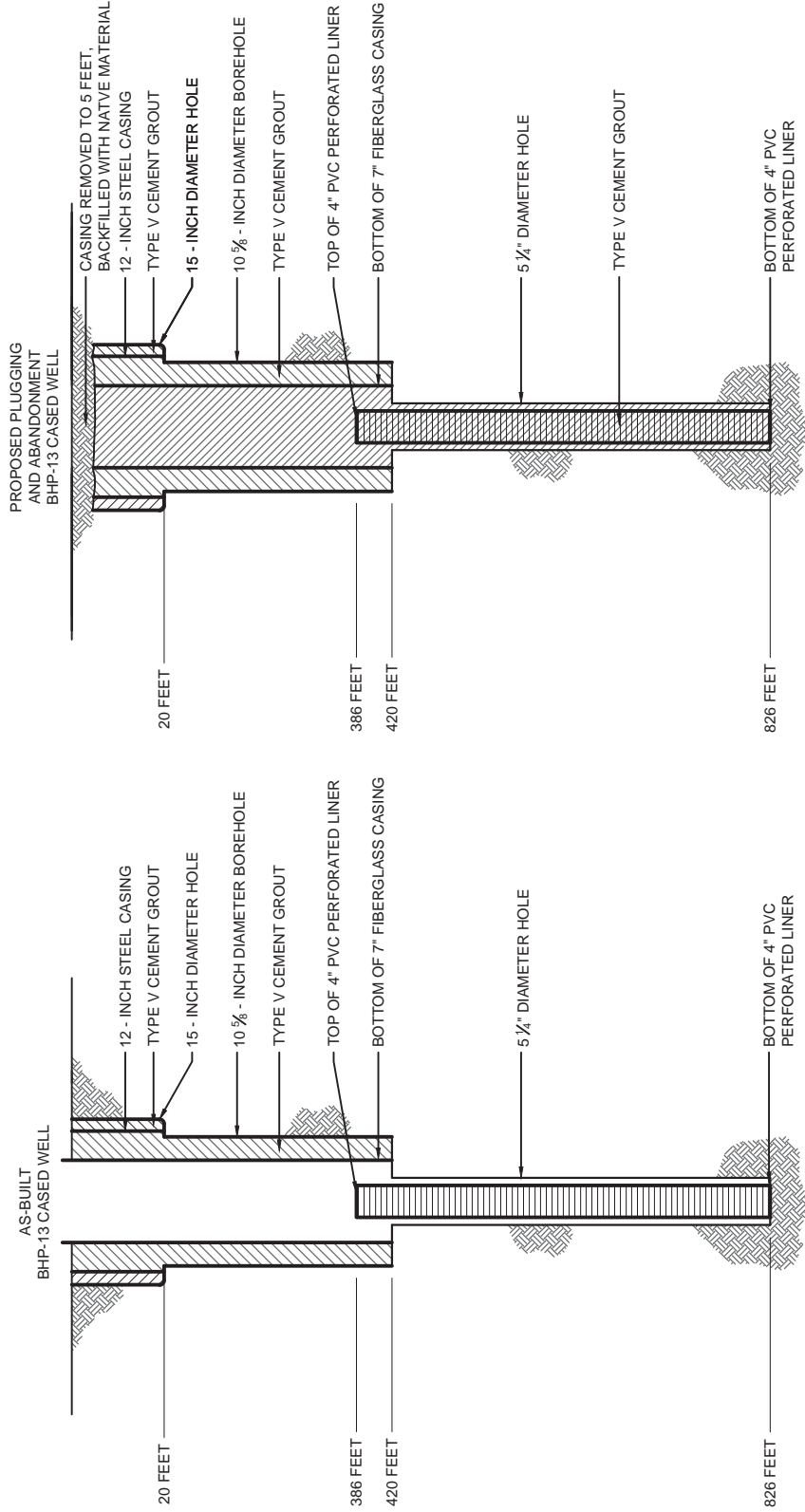
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
420	826		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the well as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

HALEY & ALDRICH

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-13 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 400 ft. frm (N/S) S Line of quarter section and 445 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number CH-1	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
4"	unknown	780	780	9.875	<input type="checkbox"/> The Dump Bailer Method
					<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4	9.875						
Depth to Bottom of Tubing or Drill Pipe (ft)	410	789						
Sacks of Cement To Be Used (each plug)	28	158						
Slurry Volume To Be Pumped (cu. ft.)	36	202						
Calculated Top of Plug (ft.)	0	410						
Measured Top of Plug (if tagged ft.)	NA	NA						
Slurry Wt. (Lb./Gal.)	15.4	15.4						
Type Cement or Other Material (Class III)	Type V	Type V						

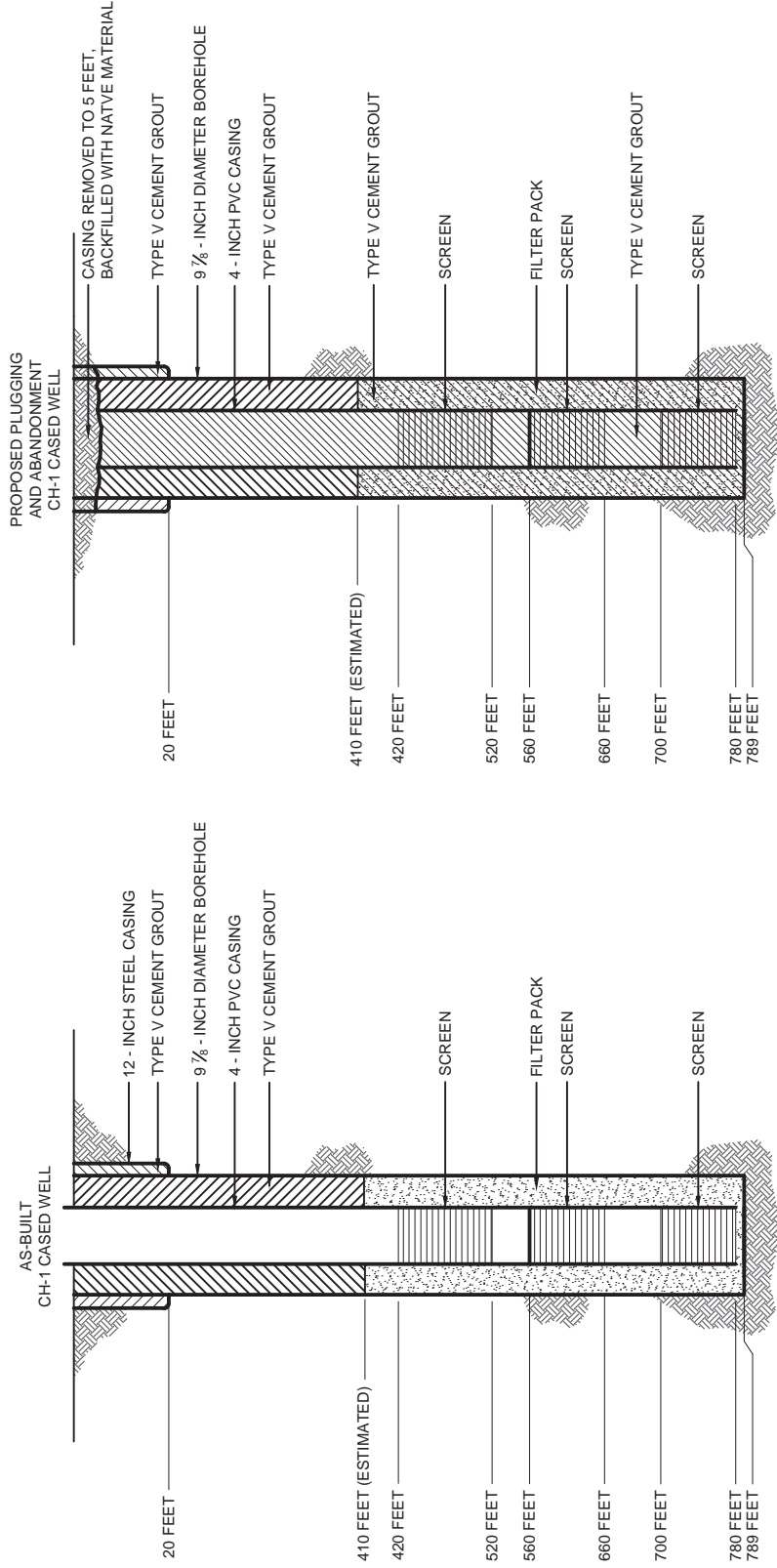
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
420	520		
560	660		
700	780		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL CH-1 SCHEMATIC DIAGRAM

NOTE
 WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 400 ft. frm (N/S) S Line of quarter section and 470 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number CH-2	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
4"	unknown	780	780	9.875	<input type="checkbox"/> The Dump Bailer Method
					<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4	9.875						
Depth to Bottom of Tubing or Drill Pipe (ft)	410	775						
Sacks of Cement To Be Used (each plug)	28	158						
Slurry Volume To Be Pumped (cu. ft.)	36	202						
Calculated Top of Plug (ft.)	0	410						
Measured Top of Plug (if tagged ft.)	NA	NA						
Slurry Wt. (Lb./Gal.)	15.4	15.4						
Type Cement or Other Material (Class III)	Type V	Type V						

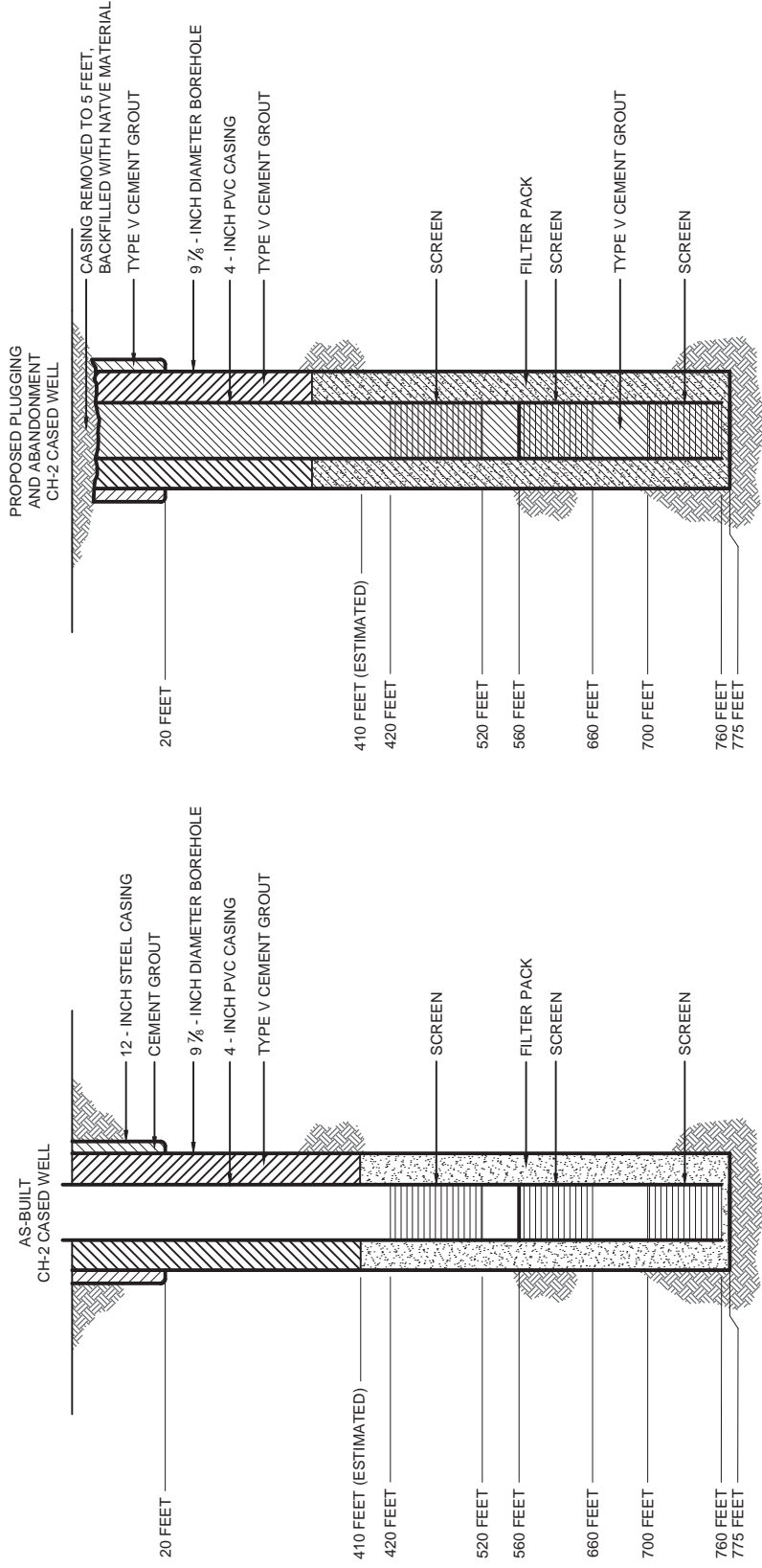
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
420	520		
560	660		
700	760		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL CH-2 SCHEMATIC DIAGRAM

NOTE
 WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 435 ft. frm (N/S) S Line of quarter section and 535 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number OWB-1	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS	
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE		
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method	
7"	unknown	420	420	10.625	<input type="checkbox"/> The Dump Bailer Method	
1.5"	unknown	400	400	5.25	<input type="checkbox"/> The Two-Plug Method	
					<input type="checkbox"/> Other	

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		795	420					
Sacks of Cement To Be Used (each plug)		44	88					
Slurry Volume To Be Pumped (cu. ft.)		56	112					
Calculated Top of Plug (ft.)		420	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

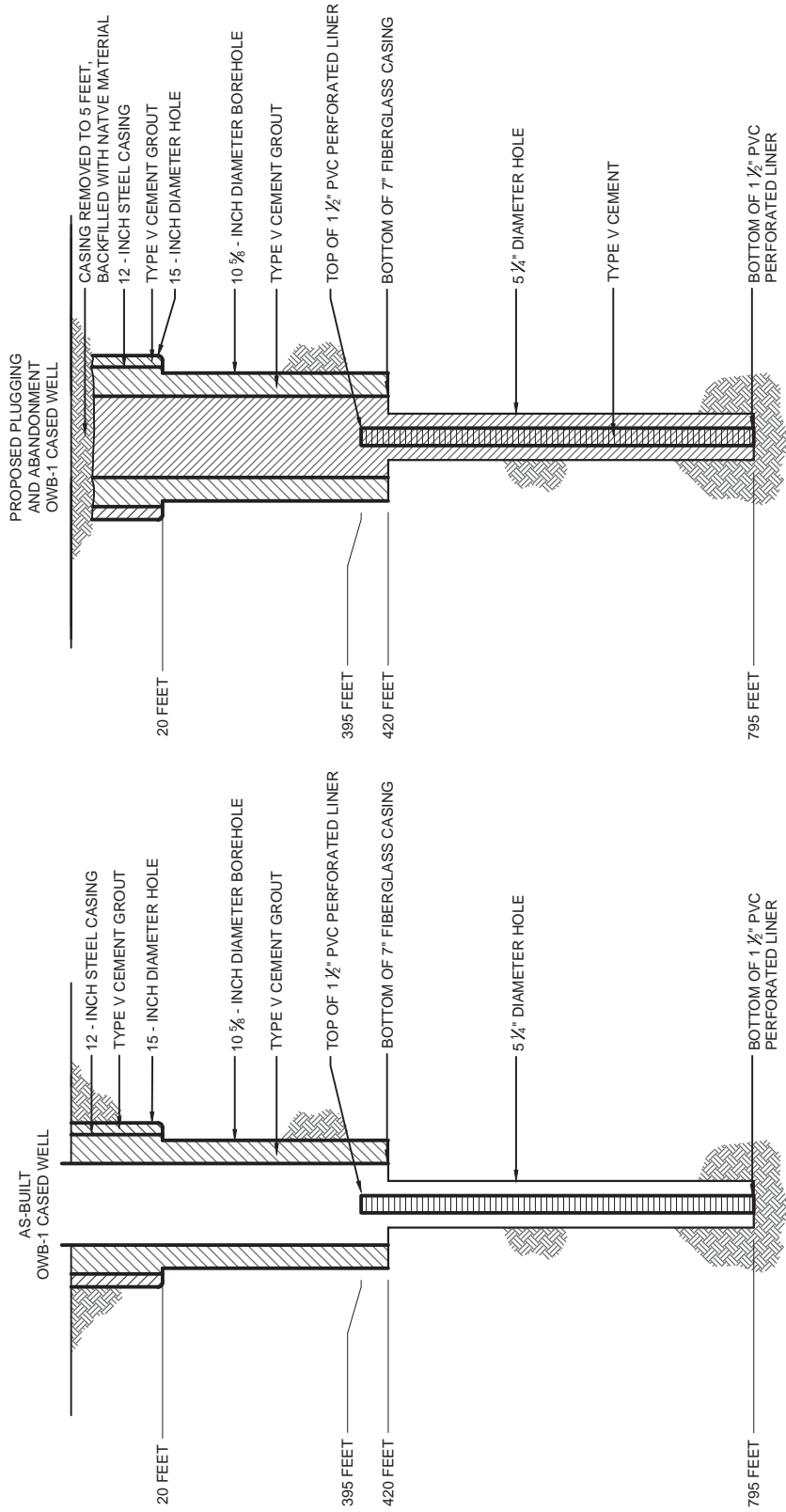
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
420	795		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE: WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

HALEY & ALDRICH

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL OWB-1 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 490 ft. frm (N/S) S Line of quarter section and 385 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number OWB-2	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
4"	unknown	220	220	9.25	<input type="checkbox"/> The Dump Bailer Method
					<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4	9.875						
Depth to Bottom of Tubing or Drill Pipe (ft)	200	220						
Sacks of Cement To Be Used (each plug)	14	8						
Slurry Volume To Be Pumped (cu. ft.)	17	11						
Calculated Top of Plug (ft.)	0	200						
Measured Top of Plug (if tagged ft.)	NA	NA						
Slurry Wt. (Lb./Gal.)	15.4	15.4						
Type Cement or Other Material (Class III)	Type V	Type 5						

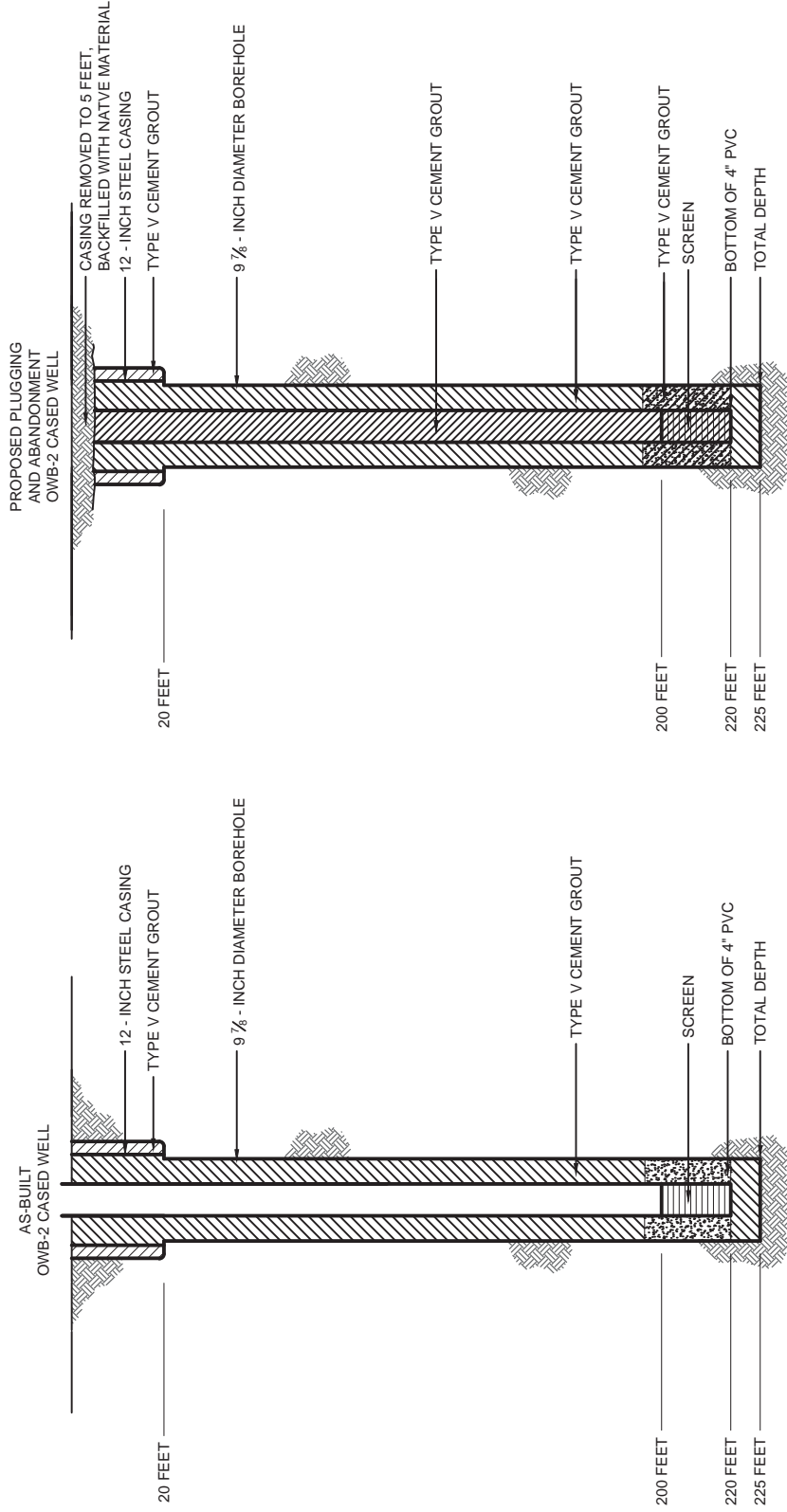
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
200	220		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

- Well design details are based on BHP records.
- Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE: WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL OWB-2 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 440 ft. frm (N/S) S Line of quarter section and 335 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number OWB-3	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"	unknown	420	420	10.625	<input type="checkbox"/> The Dump Bailer Method
1.5"	unknown	400	400	5.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		796	420					
Sacks of Cement To Be Used (each plug)		44	88					
Slurry Volume To Be Pumped (cu. ft.)		57	112					
Calculated Top of Plug (ft.)		420	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

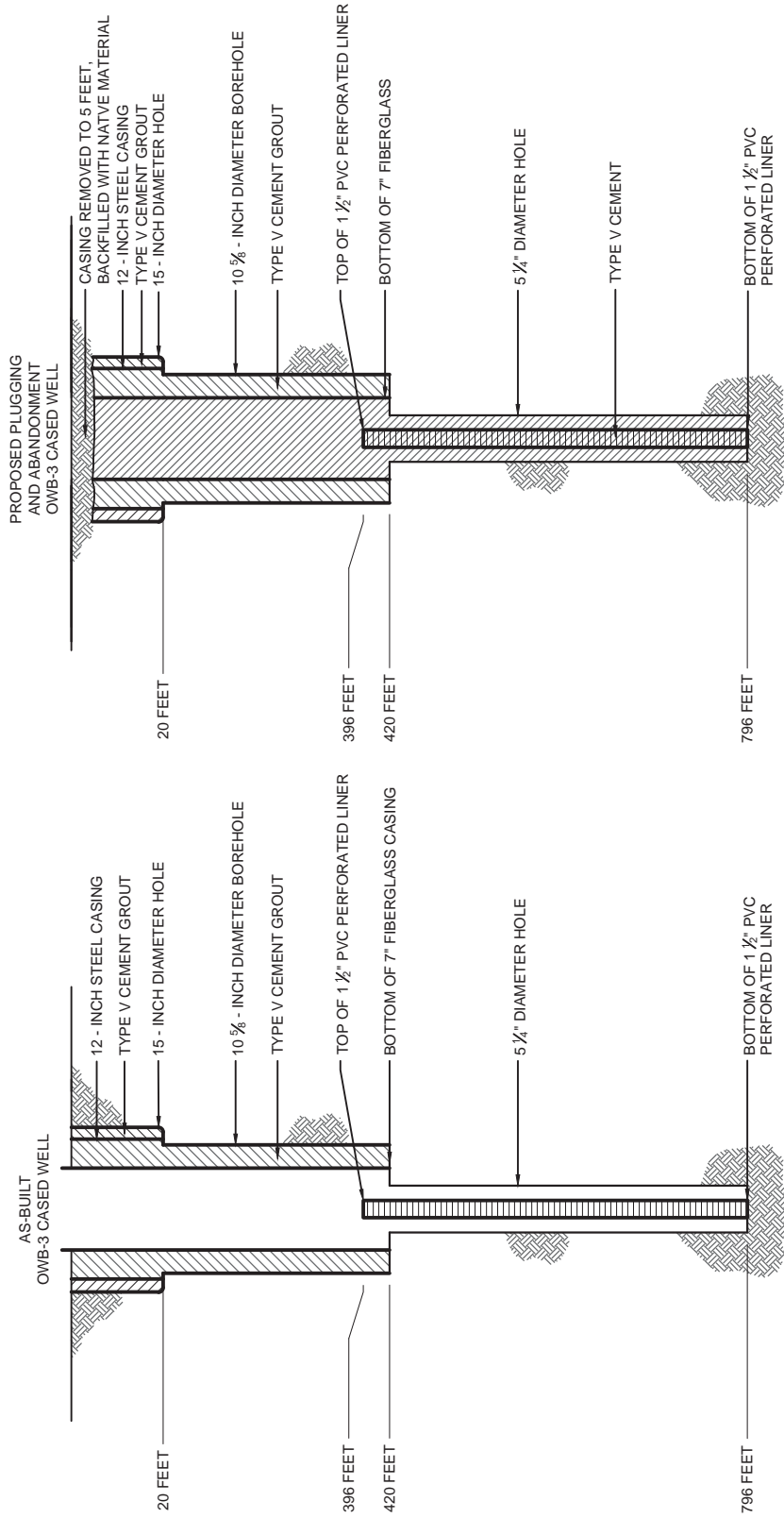
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
420	796		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

- Well design details are based on BHP records.
- Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2-inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the liner as is practicable. In BHP wells that have 1 1/2-inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE: WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL OWB-3 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 335 ft. frm (N/S) S Line of quarter section and 335 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number OWB-4	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"	unknown	410	410	10.625	<input type="checkbox"/> The Dump Bailer Method
1.5"	unknown	340	340	5.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		5.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		745	410					
Sacks of Cement To Be Used (each plug)		40	86					
Slurry Volume To Be Pumped (cu. ft.)		50	110					
Calculated Top of Plug (ft.)		410	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

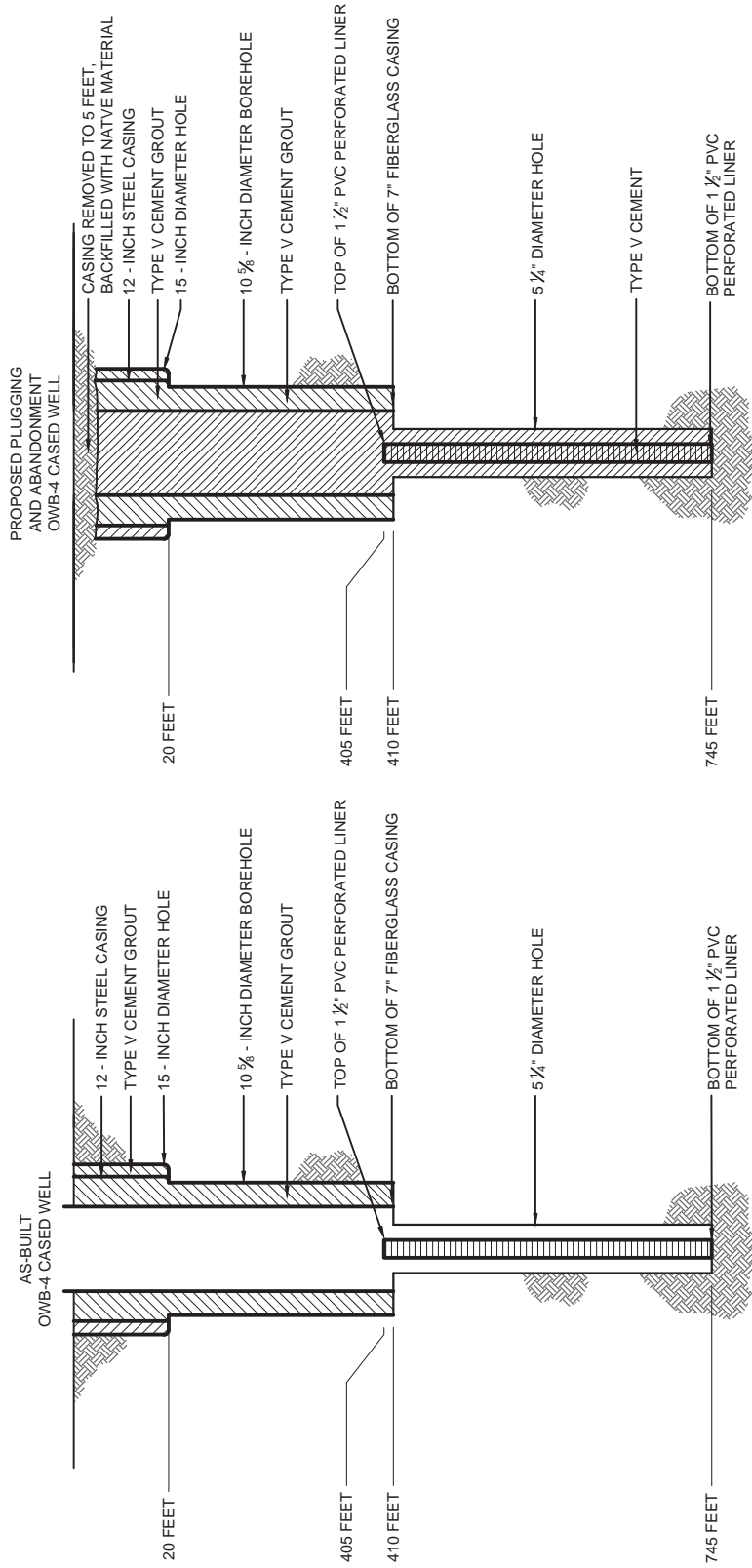
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
410	745		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

- Well design details are based on BHP records.
 - Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBF/U/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore hole as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.
- WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.



FLORENCE COPPER INC.
FLORENCE, ARIZONA

WELL OWB-4 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
JULY 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 335 ft. frm (N/S) S Line of quarter section and 535 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number OWB-5	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
12"	unknown	20	20	15	<input checked="" type="checkbox"/> The Balance Method
7"	unknown	420	420	10.625	<input type="checkbox"/> The Dump Bailer Method
1.5"	unknown	360	360	6.25	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		6.25	7					
Depth to Bottom of Tubing or Drill Pipe (ft)		765	420					
Sacks of Cement To Be Used (each plug)		58	88					
Slurry Volume To Be Pumped (cu. ft.)		74	112					
Calculated Top of Plug (ft.)		420	0					
Measured Top of Plug (if tagged ft.)		NA	NA					
Slurry Wt. (Lb./Gal.)		15.4	15.4					
Type Cement or Other Material (Class III)		Type V	Type V					

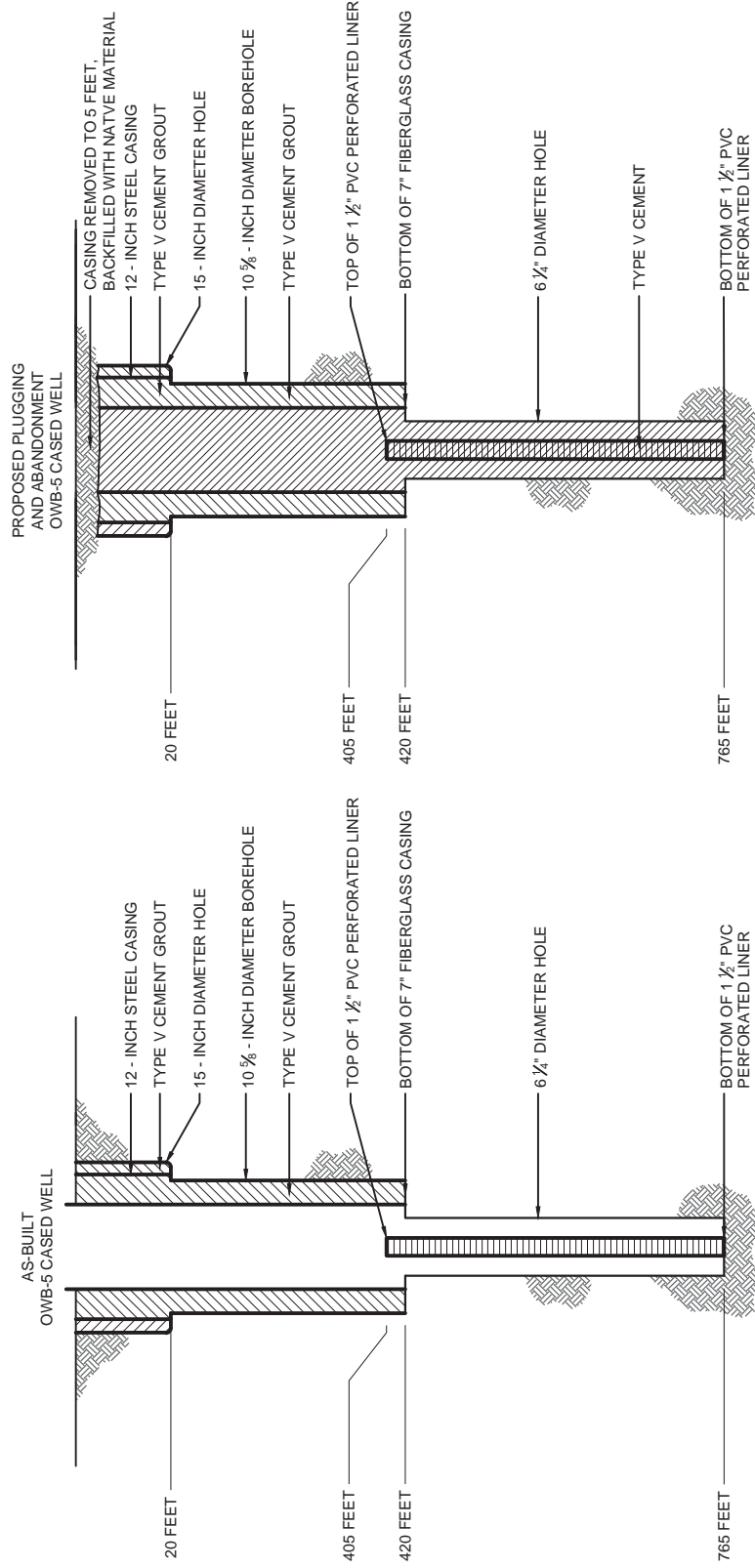
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
420	765		

Estimated Cost to Plug Wells
\$8,800

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 08/06/2014
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NOTES:

1. Well design details are based on BHP records.
2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 1/2 -inch diameter, and were installed within an 8-inch diameter borehole with no cement, or other annular materials. The liners are exposed to the formation only from the bottom of the exclusion zone to the total depth of each bore hole. The liners do not extend upward into the LBFU/Oxide contact. In the BHP wells that have 4-inch perforated PVC liners, the tremie pipe will be advanced inside the liner to a point as close to the bottom of the bore as is practicable. In BHP wells that have 1 1/2 inch perforated PVC liner, the tremie will be advanced outside the liner to a point as close to the bottom of the bore hole as is practicable.

NOTE:
 WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.



FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL OWB-5 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

PTF AOR WELLS



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence Arizona 85132	Name and Address of Owner/Operator Curis Resources (Arizona) Inc 1575 W Hunt Hwy, Florence, Arizona 85132
---	--

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1130 ft. frm (N/S) N Line of quarter section and 970 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number CMP11-05	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
6.25	unknown	427	377	6.75	<input checked="" type="checkbox"/> The Balance Method
2.5	unknown	950	550	4.38	<input type="checkbox"/> The Dump Bailer Method
					<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)		6.25						
Depth to Bottom of Tubing or Drill Pipe (ft)		427						
Sacks of Cement To Be Used (each plug)		62						
Slurry Volume To Be Pumped (cu. ft.)		78.8						
Calculated Top of Plug (ft.)		5						
Measured Top of Plug (if tagged ft.)		5						
Slurry Wt. (Lb./Gal.)		15.6						
Type Cement or Other Material (Class III)		V						

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
5	50		
290			
330			
427	950		

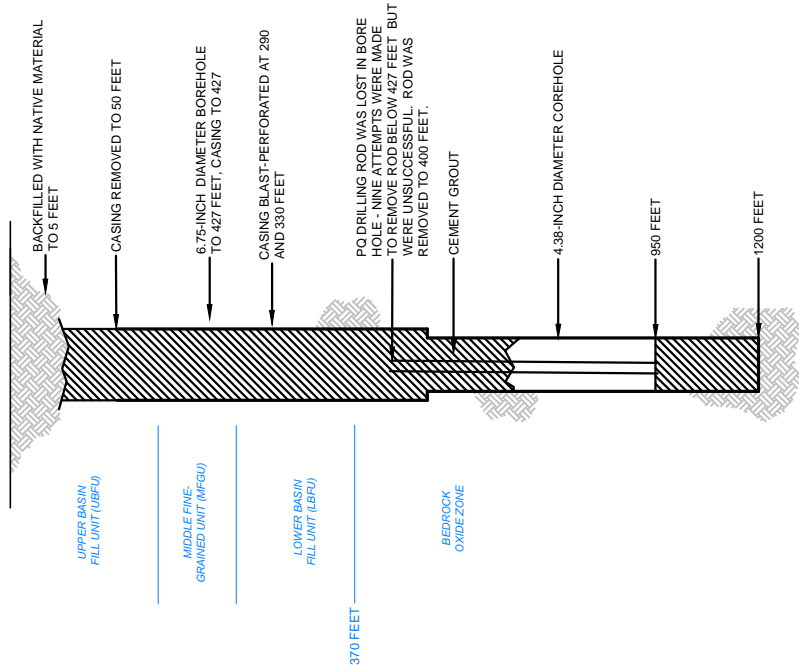
Estimated Cost to Plug Wells
\$13,715

Certification

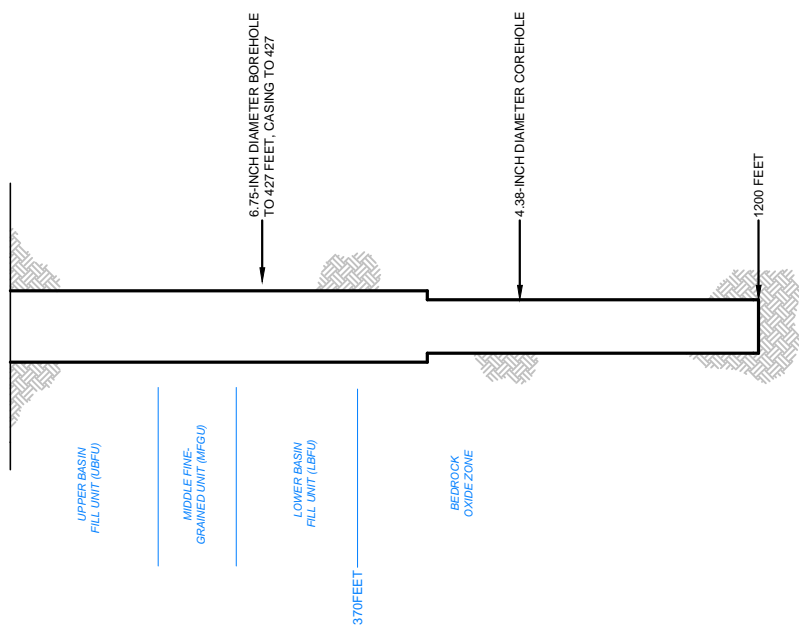
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Name and Official Title (Please type or print) Dan Johnson, VP Environment and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED PLUGGING
AND ABANDONMENT
CMP11-05 CORE HOLE



AS-BUILT CMP11-05 CORE HOLE





United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence Arizona 85132	Name and Address of Owner/Operator Curis Resources (Arizona) Inc 1575 W Hunt Hwy, Florence, Arizona 85132
---	--

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1058 ft. frm (N/S) N Line of quarter section and 1054 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number CMP11-06	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
6.25	unknown	429	29	6.75	<input checked="" type="checkbox"/> The Balance Method
					<input type="checkbox"/> The Dump Bailer Method
					<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	6.75							
Depth to Bottom of Tubing or Drill Pipe (ft)	NA							
Sacks of Cement To Be Used (each plug)	60							
Slurry Volume To Be Pumped (cu. ft.)	76							
Calculated Top of Plug (ft.)	33							
Measured Top of Plug (if tagged ft.)	5							
Slurry Wt. (Lb./Gal.)	15.6							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
5	400		
429	1145		

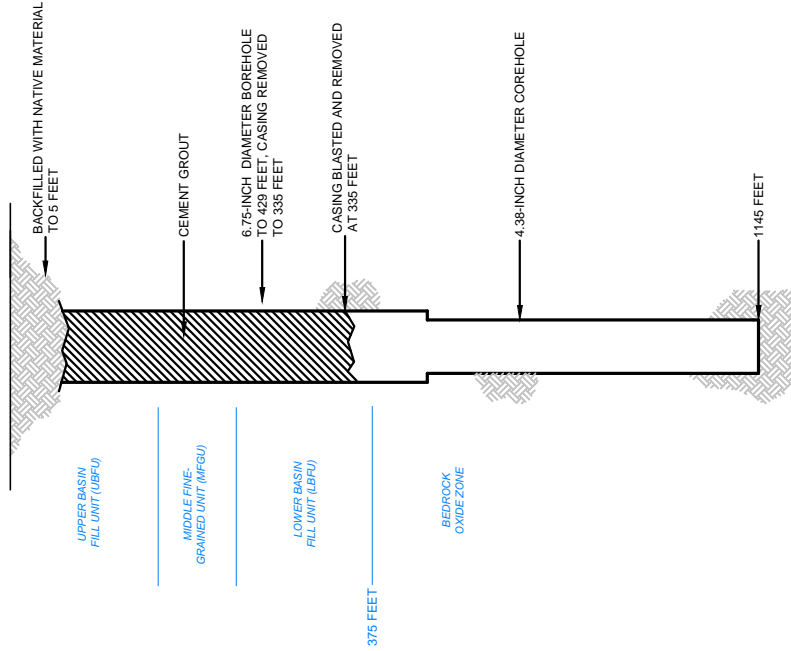
Estimated Cost to Plug Wells
\$13,715

Certification

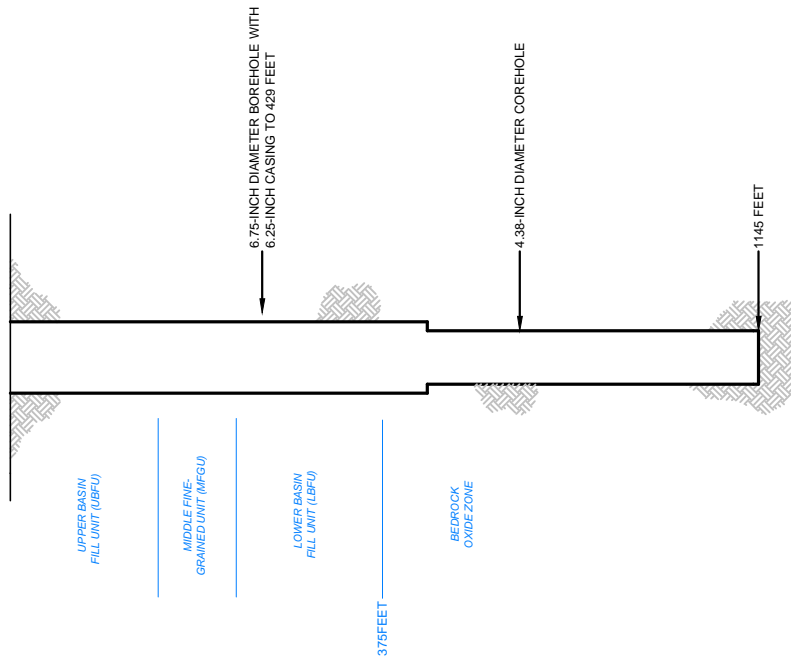
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environment and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED PLUGGING
AND ABANDONMENT
CMP11-06 CORE HOLE



AS-BUILT CMP11-06 CORE HOLE





United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1010 ft. frm (N/S) N Line of quarter section and 1040 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number I-01	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other - 20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

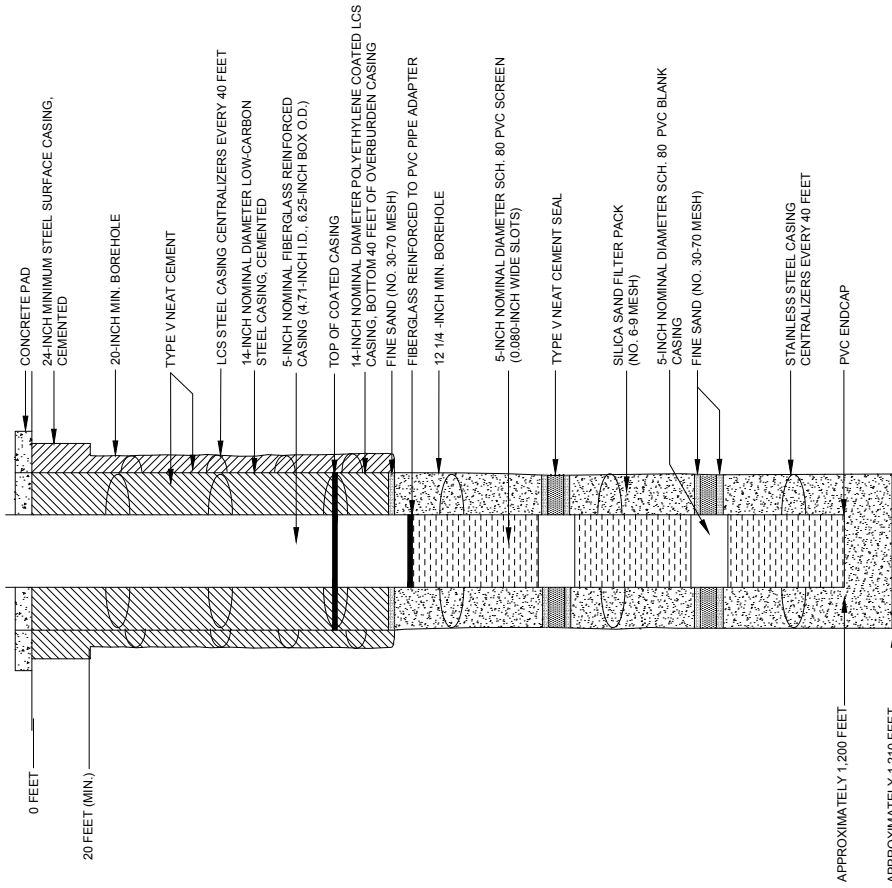
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

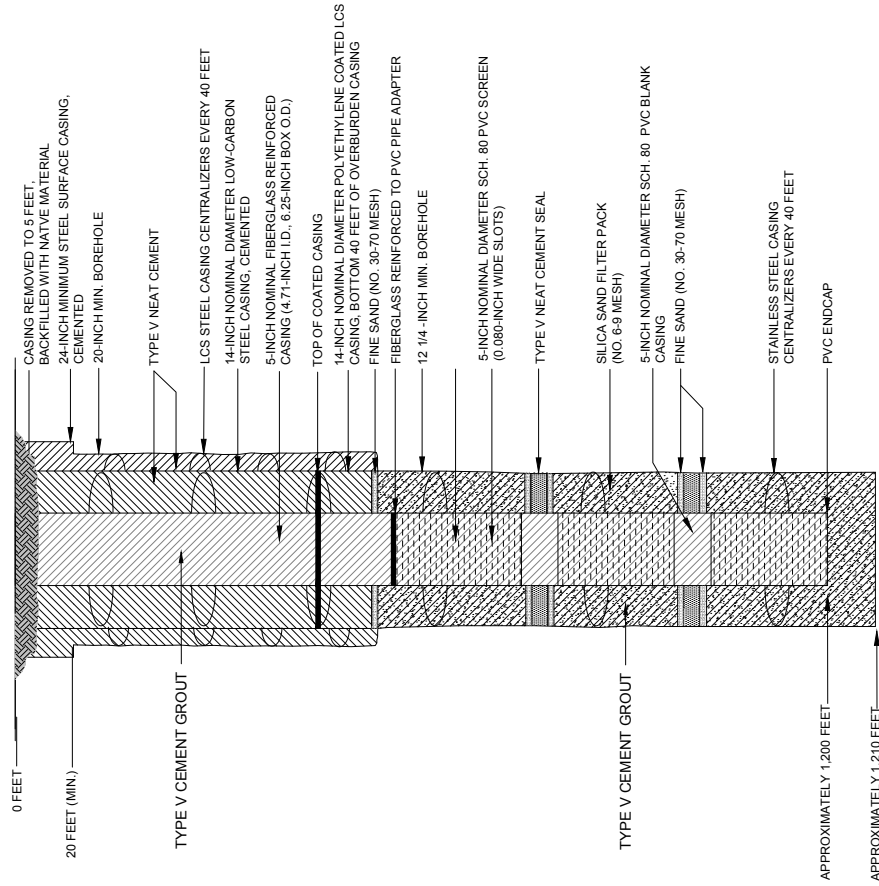
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1080 ft. frm (N/S) N Line of quarter section and 975 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number I-02	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other - 20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

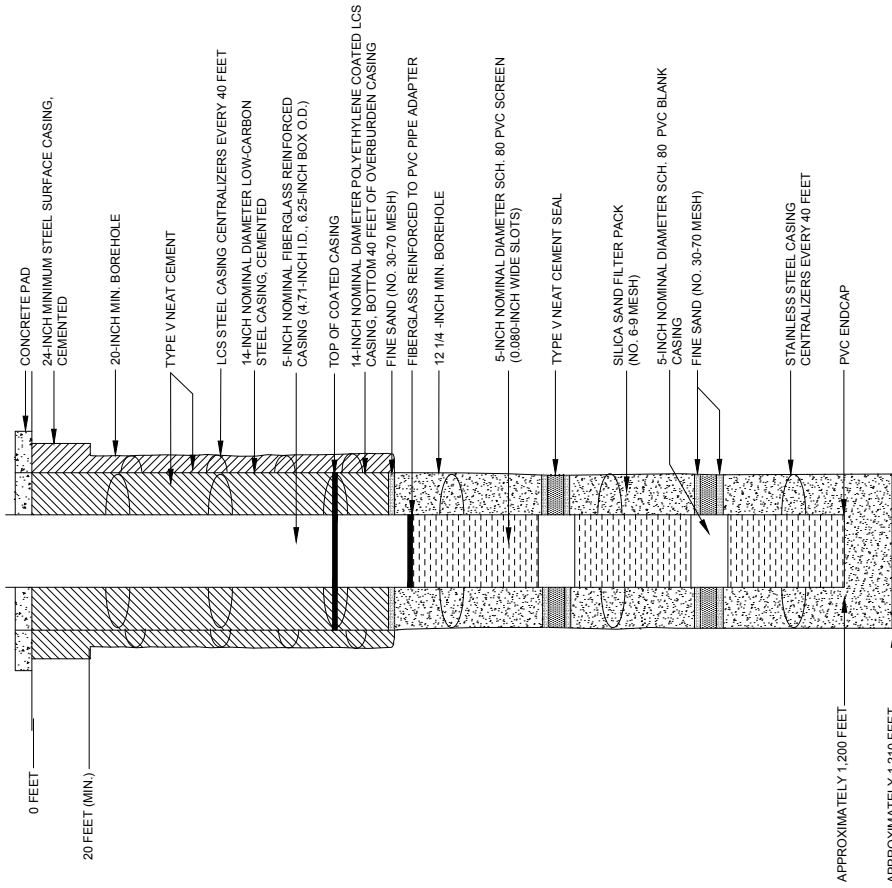
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

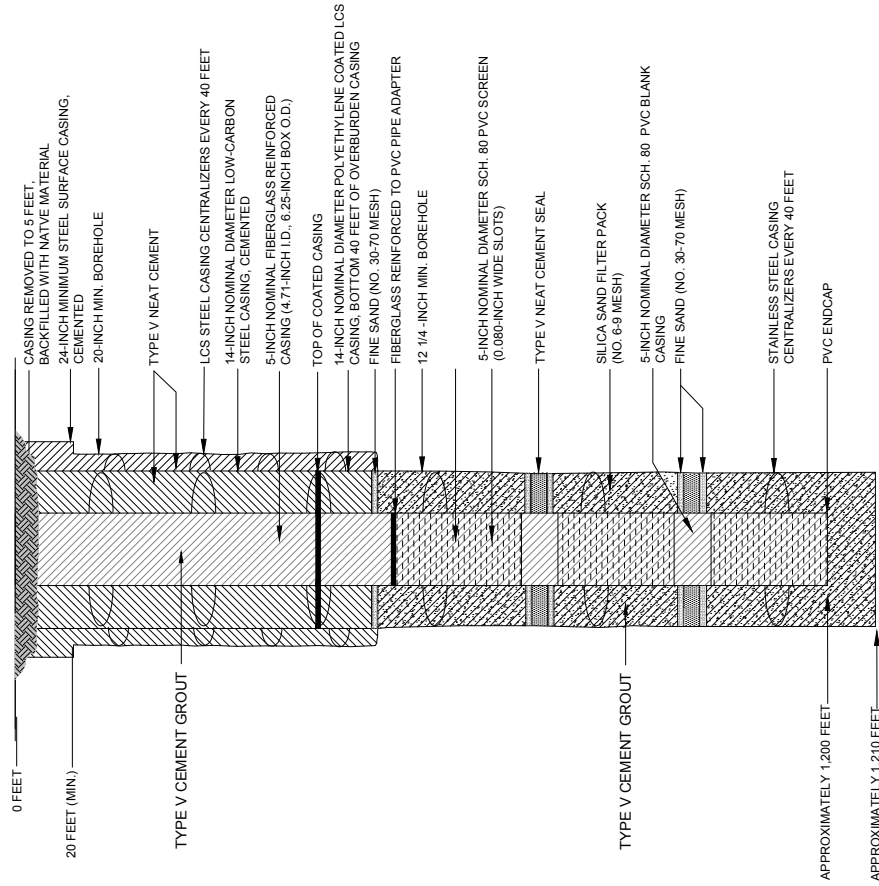
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1150 ft. frm (N/S) N Line of quarter section and 1040 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number I-03	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other - 20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

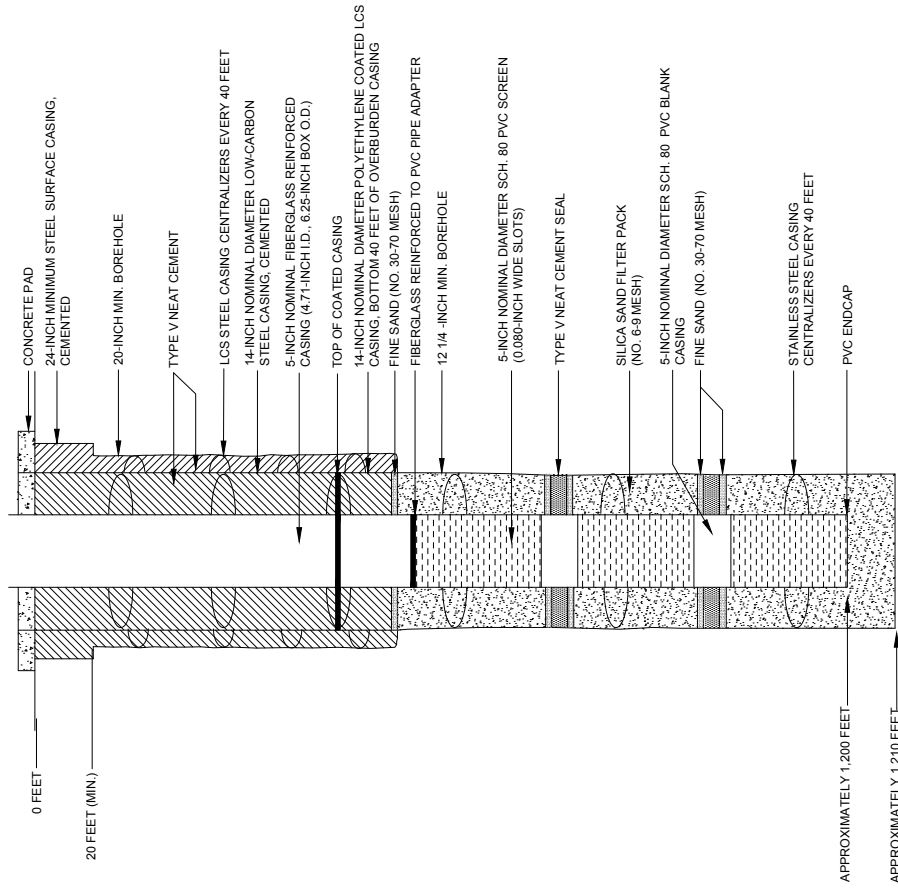
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

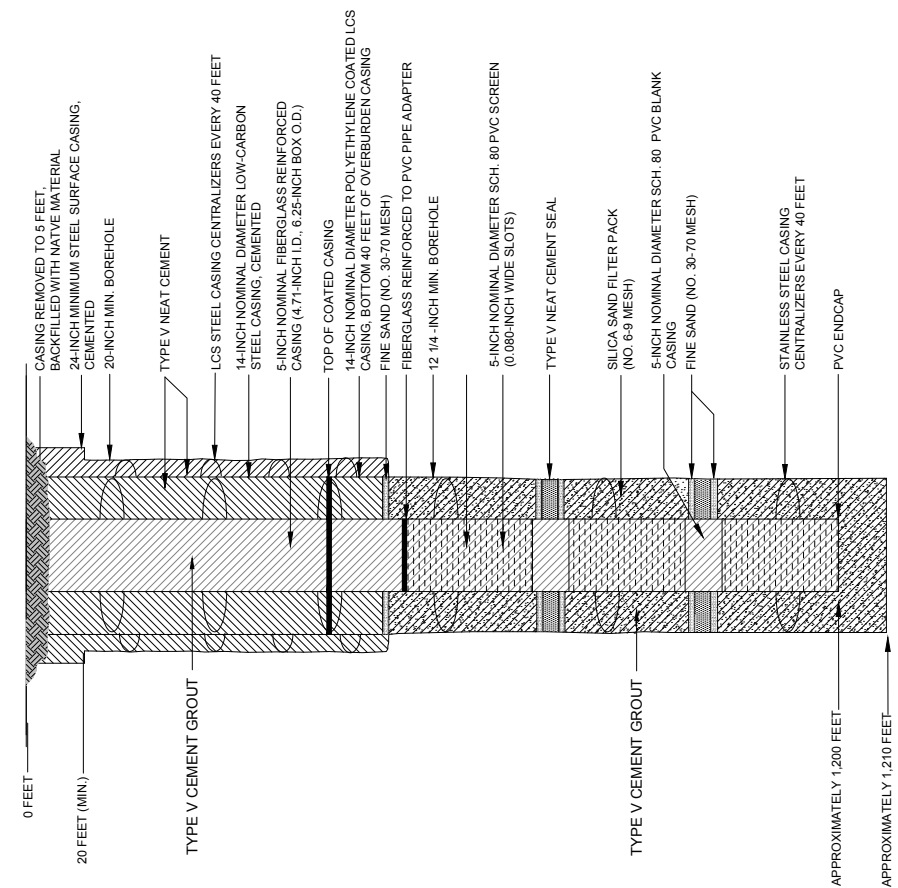
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1150 ft. frm (N/S) N Line of quarter section and 1040 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells <u>1</u> Lease Name <u>NA</u>		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number <u>I-04</u>	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other - 20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

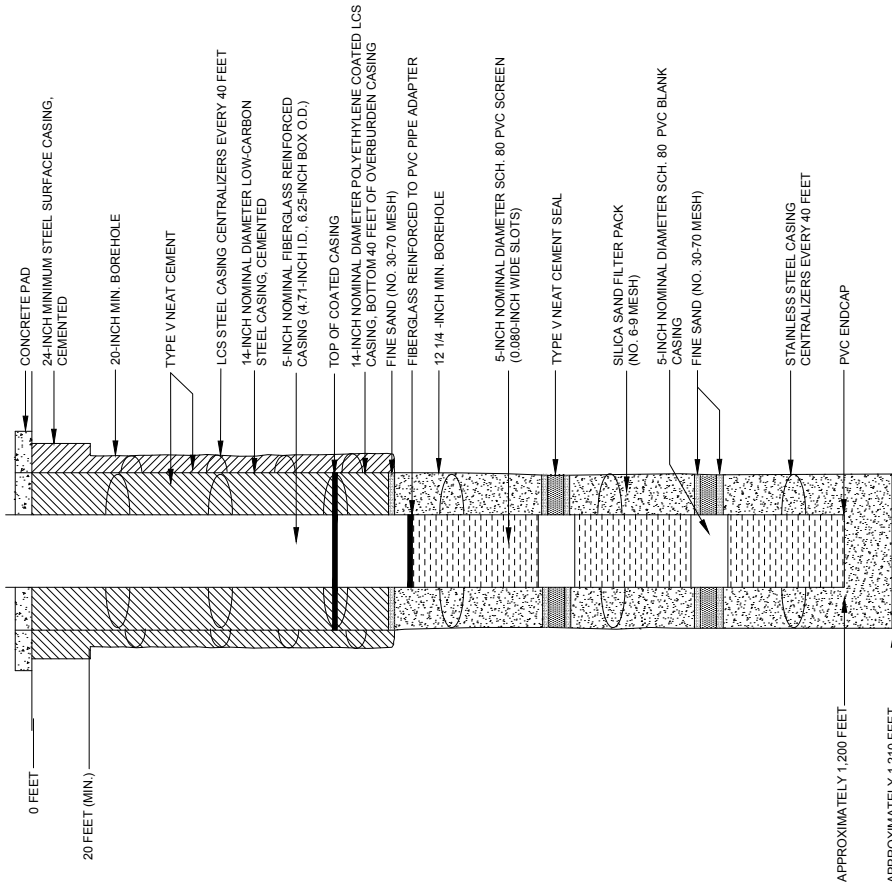
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

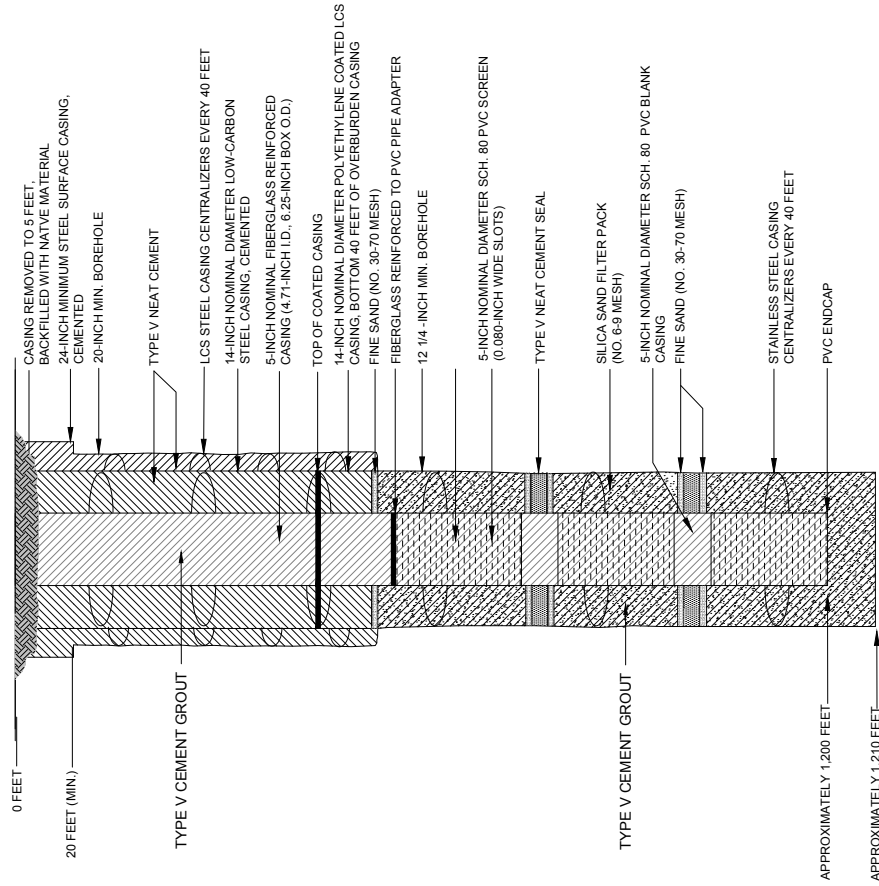
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description nw 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 955 ft. frm (N/S) N Line of quarter section and 1175 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number M55-UBF	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	45.68	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	45.68	240	240	9.86"	<input type="checkbox"/> The Dump Bailer Method
4"	3	20	20	9.86"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inche)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	260							
Sacks of Cement To Be Used (each plug)	18							
Slurry Volume To Be Pumped (cu. ft.)	23							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
240	260		

Estimated Cost to Plug Wells
 \$8,000 - abandonment costs

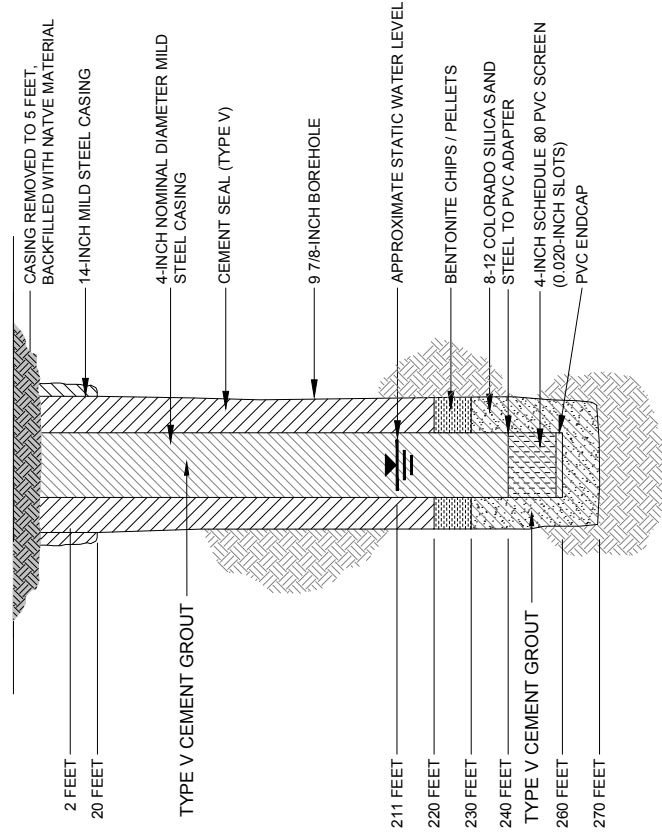
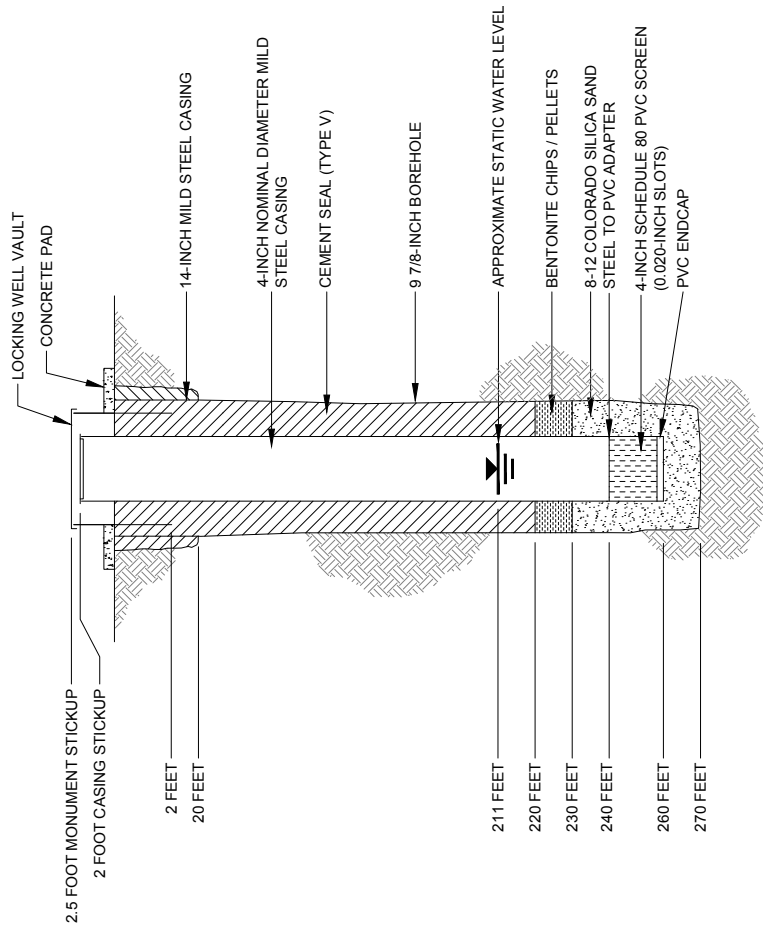
Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/1/2014
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PROPOSED PLUGGING AND
 ABANDONMENT
 SUPPLEMENTAL MONITORING
 WELL M55-UBF

PROPOSED DESIGN
 SUPPLEMENTAL MONITORING
 WELL M55-UBF



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

PROPOSED SUPPLEMENTAL
 MONITORING WELL M55-UBF
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ39600001
Surface Location Description NW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E			
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 925 ft. frm (N/S) N Line of quarter section and 1190 ft. from (E/W) E Line of quarter section.			
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number M56-LBF	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS	
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE		
14	36.71	20	20	20	<input checked="" type="checkbox"/> The Balance Method <input type="checkbox"/> The Dump Bailer Method <input type="checkbox"/> The Two-Plug Method <input type="checkbox"/> Other	
4	8.9	320	320	9.86		
4	2	20	20	9.86		

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inche)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	340							
Sacks of Cement To Be Used (each plug)	23							
Slurry Volume To Be Pumped (cu. ft.)	30							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
320	340		

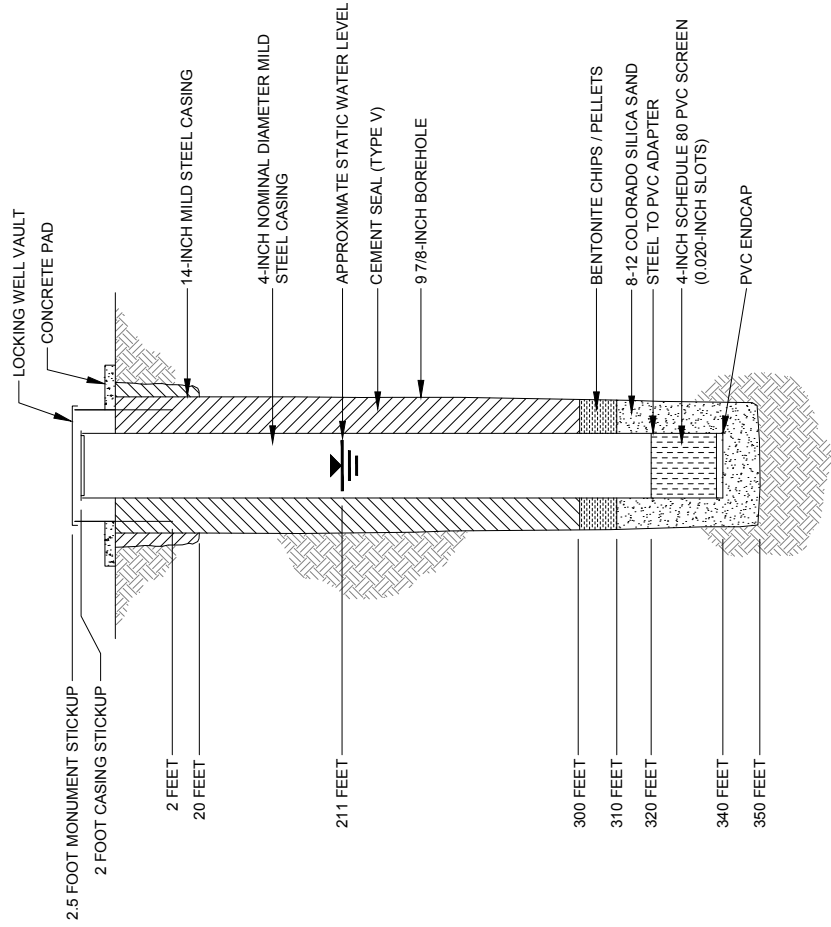
Estimated Cost to Plug Wells
 \$8,000 - abandonment costs

Certification

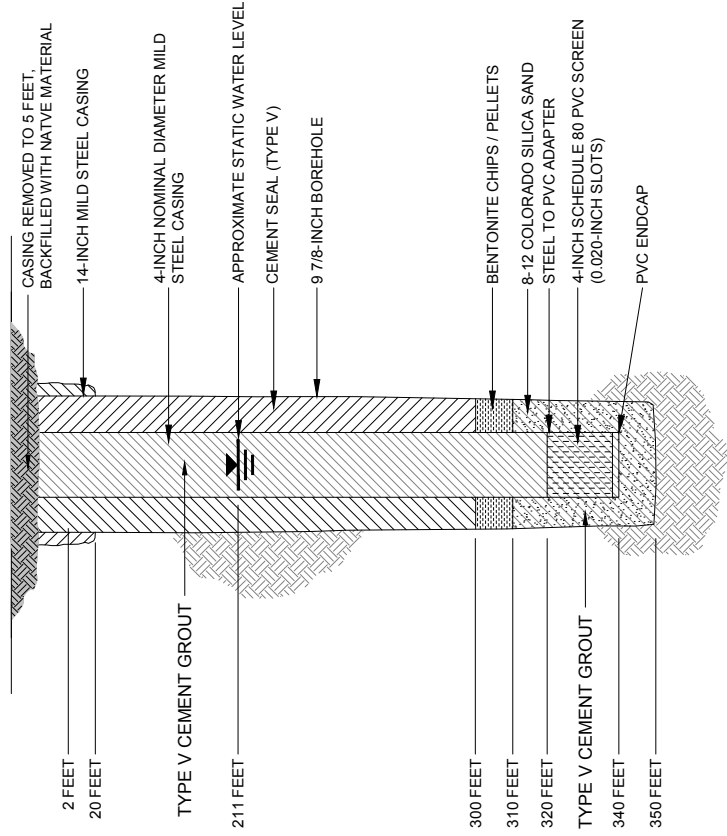
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possiblity of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/1/2014
---	----------------------	---------------------------------

PROPOSED DESIGN
 SUPPLEMENTAL MONITORING
 WELL M56-LBF



PROPOSED PLUGGING AND
 ABANDONMENT
 SUPPLEMENTAL MONITORING
 WELL M56-LBF



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

PROPOSED SUPPLEMENTAL
 MONITORING WELL M56-LBF
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SE 1/4 of NW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 960 ft. frm (N/S) N Line of quarter section and 1265 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number M57-O	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14	36.71	20	20	20	<input checked="" type="checkbox"/> The Balance Method
4	8.9	525	525	9.86	<input type="checkbox"/> The Dump Bailer Method
4	2	675	675	9.86	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
525	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

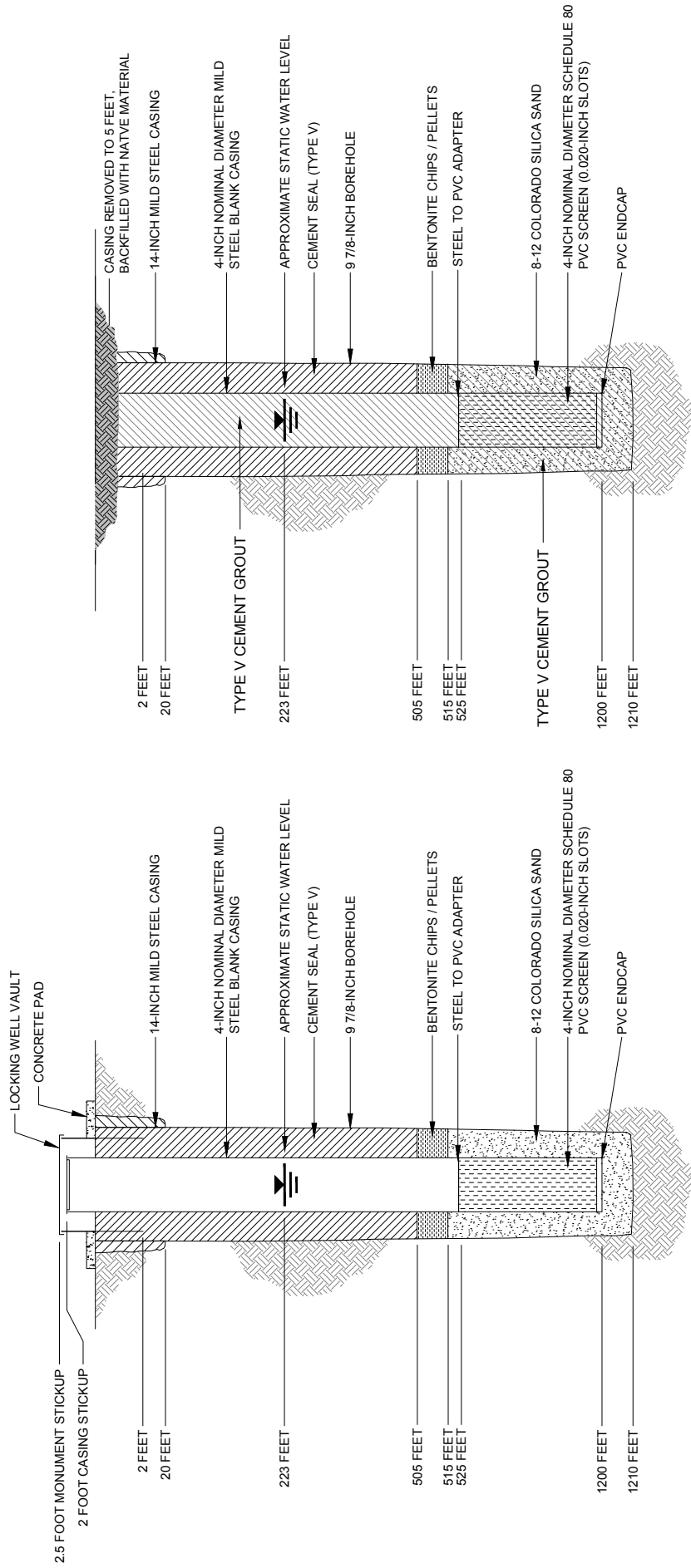
Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
---	----------------------	----------------------------------

PROPOSED PLUGGING AND
 ABANDONMENT
 SUPPLEMENTAL MONITORING
 WELL M57-O

PROPOSED DESIGN
 SUPPLEMENTAL MONITORING
 WELL M57-O



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

PROPOSED SUPPLEMENTAL
 MONITORING WELL M57-O
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of NW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 620 ft. frm (N/S) N Line of quarter section and 1070 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number M58-O	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	36.71	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	8.9	595	595	9.86"	<input type="checkbox"/> The Dump Bailer Method
4"	2	605	605	9.86"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
595	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

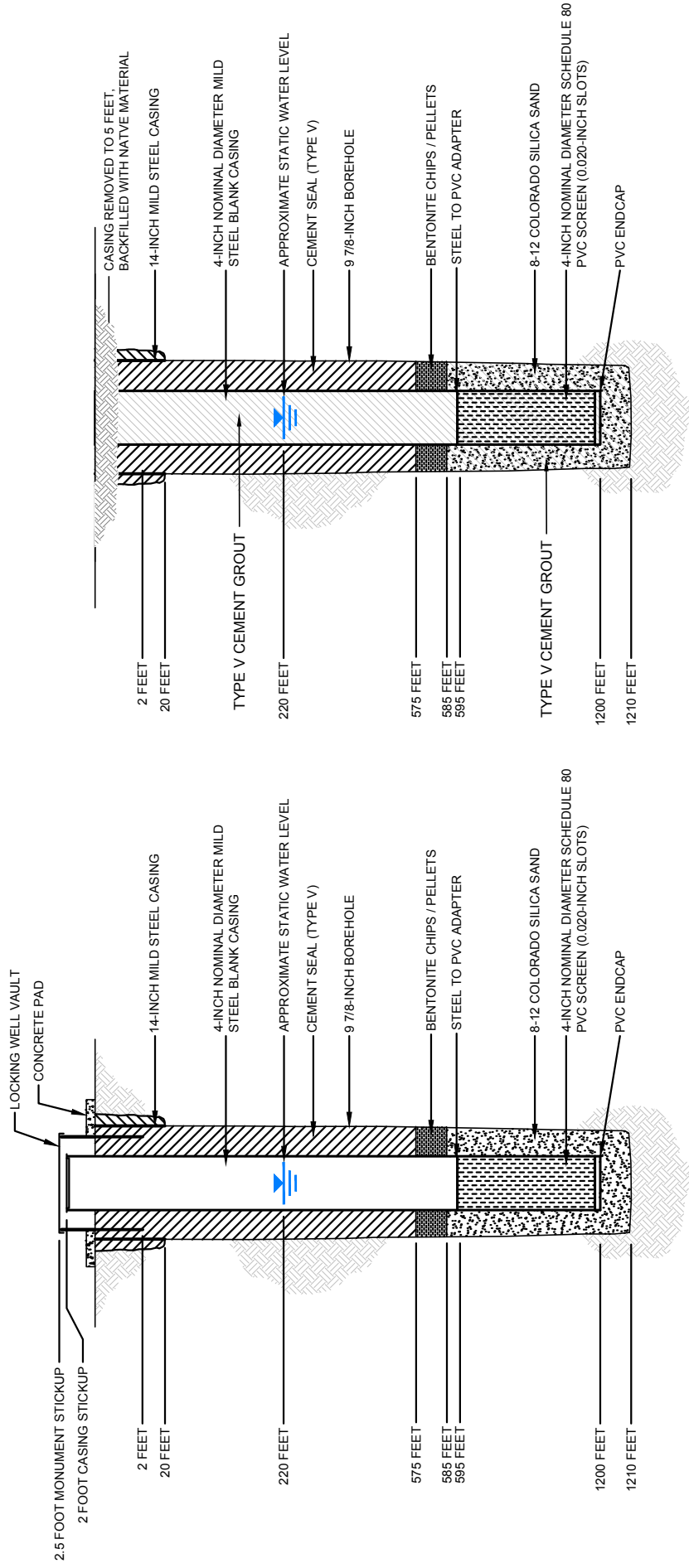
Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED PLUGGING AND
 ABANDONMENT
 SUPPLEMENTAL MONITORING
 WELL M58-O

PROPOSED DESIGN
 SUPPLEMENTAL MONITORING
 WELL M58-O



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

PROPOSED SUPPLEMENTAL
 MONITORING WELL M58-O
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 985 ft. frm (N/S) N Line of quarter section and 840 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number M59-O	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14	36.71	20	20	20	<input checked="" type="checkbox"/> The Balance Method
4	8.9	535	535	9.86	<input type="checkbox"/> The Dump Bailer Method
4	2	665	665	9.86	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
535	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

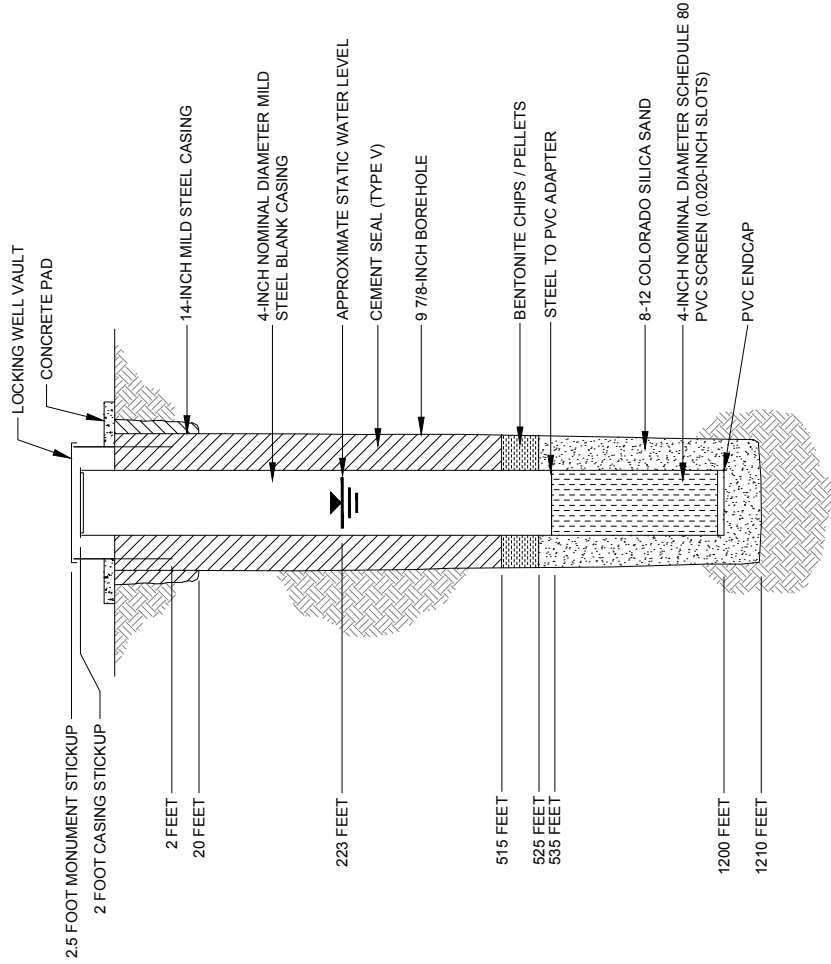
Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

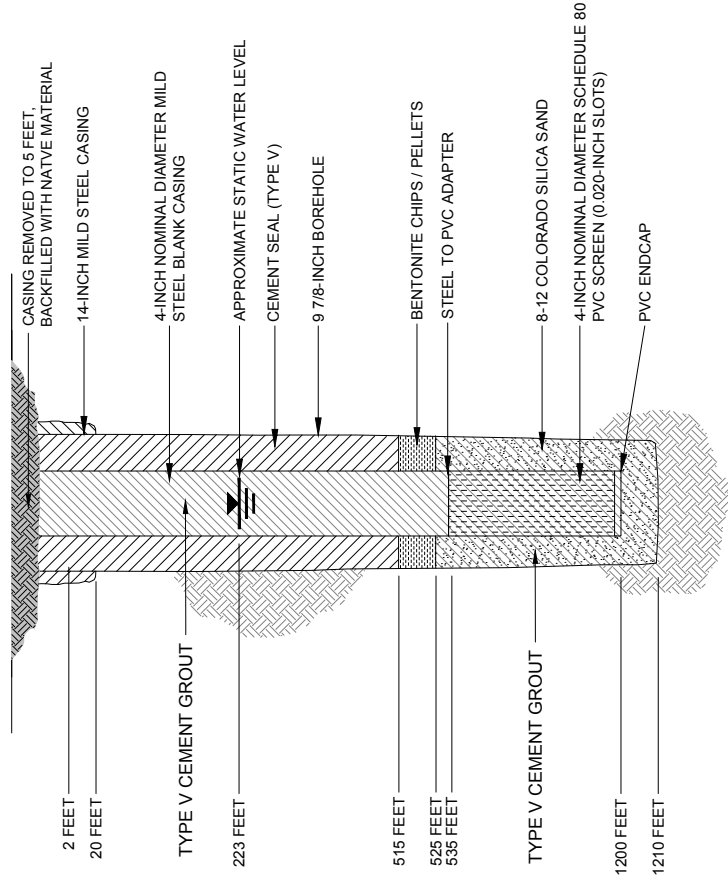
Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\M59WELLD\DESIGN.DWG
 Operator Name: CANDREVA, LAUREN
 Plot Date: October 1, 2014
 Drawing Layout: HA-FIG-A-M59

PROPOSED DESIGN
 SUPPLEMENTAL MONITORING
 WELL M59-O



PROPOSED PLUGGING AND
 ABANDONMENT
 SUPPLEMENTAL MONITORING
 WELL M59-O



HALEY & ALDRICH

FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

PROPOSED SUPPLEMENTAL
 MONITORING WELL M59-O
 ABANDONMENT DIAGRAM

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E			
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1280 ft. frm (N/S) N Line of quarter section and 1140 ft. from (E/W) E Line of quarter section.			
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number M60-O	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	36.71	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	8.9	445	445	9.86"	<input type="checkbox"/> The Dump Bailer Method
4"	2	755	755	9.86"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
445	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

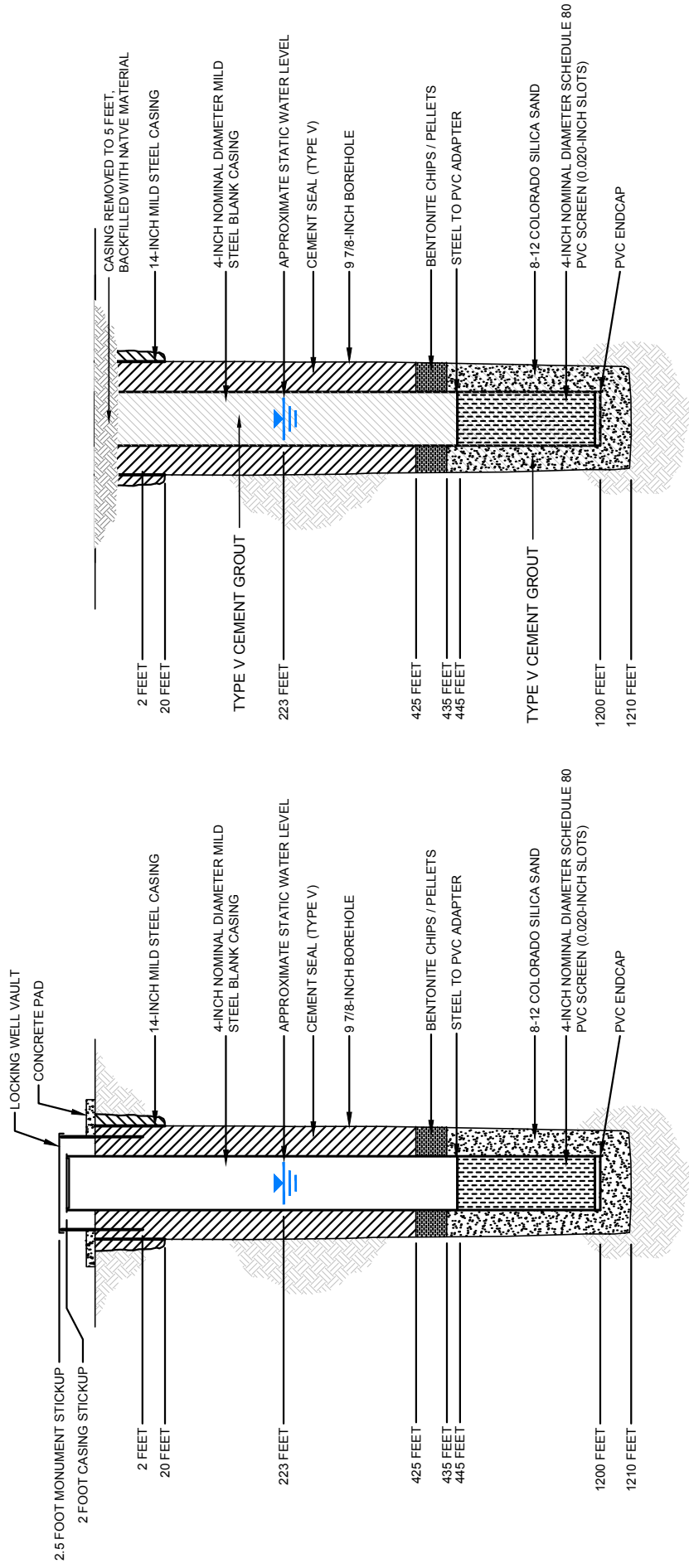
Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED PLUGGING AND
 ABANDONMENT
 SUPPLEMENTAL MONITORING
 WELL M60-O

PROPOSED DESIGN
 SUPPLEMENTAL MONITORING
 WELL M60-O



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

PROPOSED SUPPLEMENTAL
 MONITORING WELL M60-O
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
Surface Location Description SW 1/4 of SE 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E			
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1060 ft. frm (N/S) N Line of quarter section and 555 ft. from (E/W) E Line of quarter section.			
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number M61-LBF	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14	36.71	20	20	20	<input checked="" type="checkbox"/> The Balance Method
4	8.9	435	435	9.86	<input type="checkbox"/> The Dump Bailer Method
4	2	200	200	9.86	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	635							
Sacks of Cement To Be Used (each plug)	44							
Slurry Volume To Be Pumped (cu. ft.)	55							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
435	635		

Estimated Cost to Plug Wells
 \$8,000 - abandonment costs

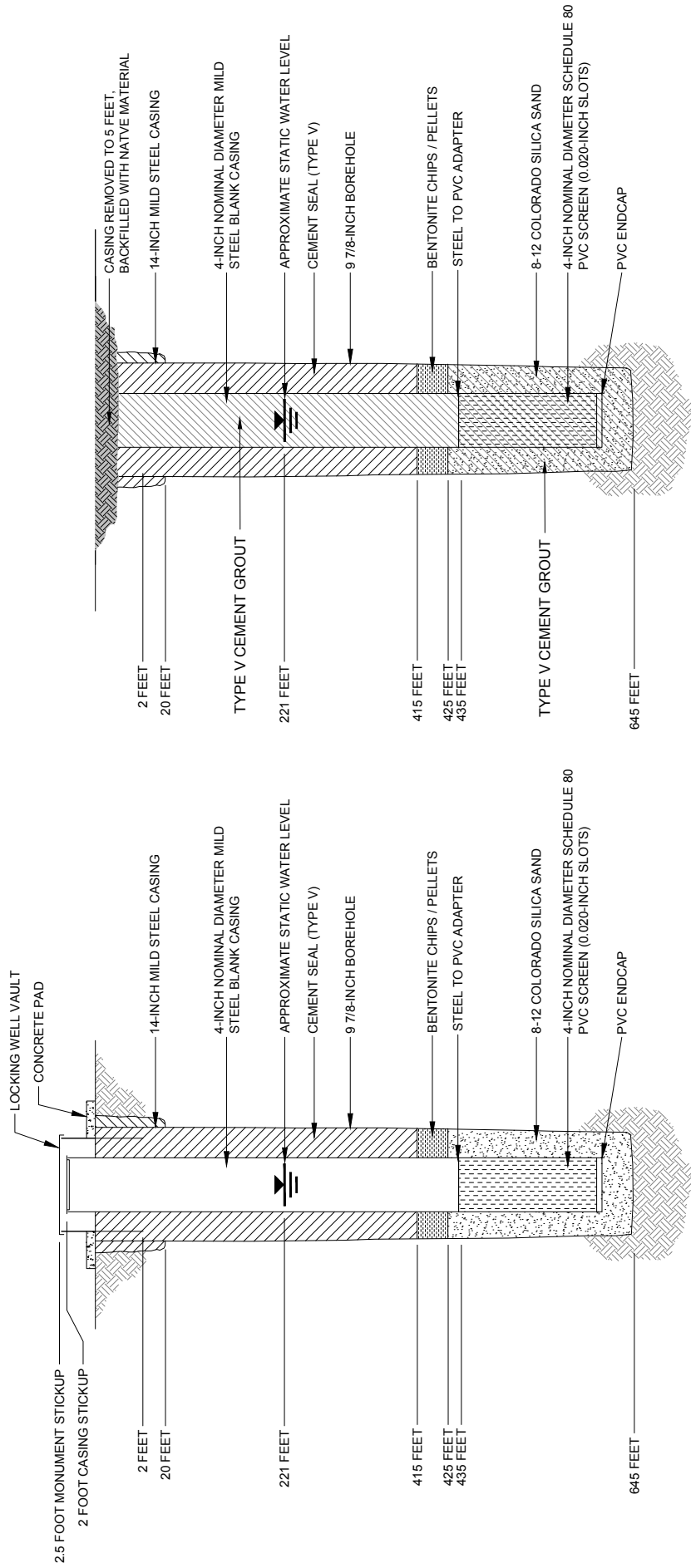
Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED PLUGGING AND
 ABANDONMENT
 SUPPLEMENTAL MONITORING
 WELL M61-O

PROPOSED DESIGN
 SUPPLEMENTAL MONITORING
 WELL M61-O



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

PROPOSED SUPPLEMENTAL
 MONITORING WELL M61-O
 ABANDONMENT DIAGRAM

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SE 1/4 of NW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 730 ft. frm (N/S) N Line of quarter section and 1300 ft. from (E/W) W Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number MW-01	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
22	72.3	20	20	28	<input checked="" type="checkbox"/> The Balance Method
4	2	1800	1800	16	<input type="checkbox"/> The Dump Bailer Method
					<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4	4						
Depth to Bottom of Tubing or Drill Pipe (ft)	1200	600						
Sacks of Cement To Be Used (each plug)	82	41						
Slurry Volume To Be Pumped (cu. ft.)	105	52						
Calculated Top of Plug (ft.)	0	0						
Measured Top of Plug (if tagged ft.)	NA	NA						
Slurry Wt. (Lb./Gal.)	15.4	15.4						
Type Cement or Other Material (Class III)	Type V	Type V						

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From		To	
320	600		
620	1200		

Estimated Cost to Plug Wells
\$12,000

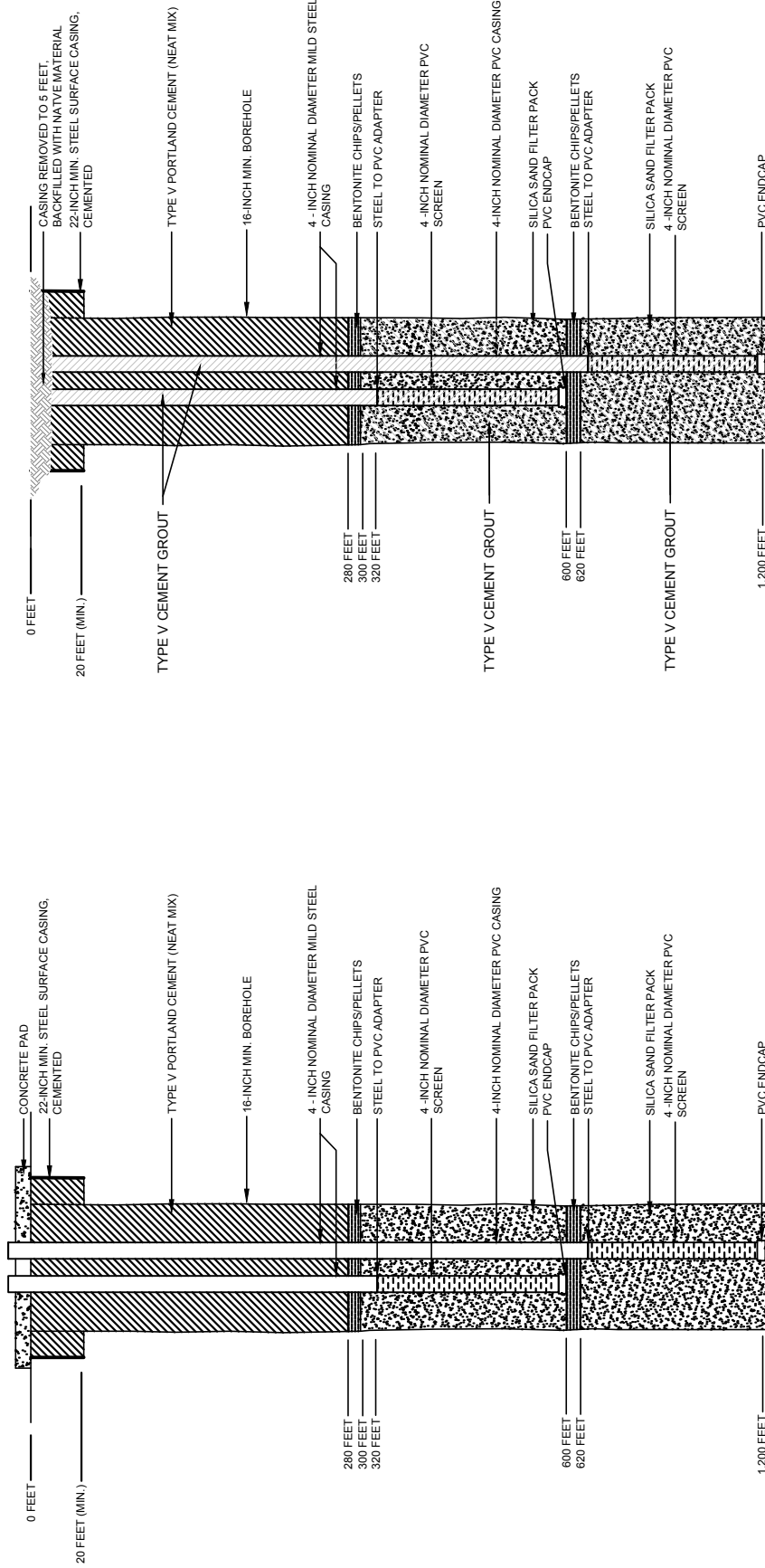
Certification

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Name and Official Title (Please type or print) _____	Signature 	Date Signed 10/01/2014
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PROPOSED PLUGGING AND
 ABANDONMENT
 OPERATIONAL MONITORING
 WELL MW-01

PROPOSED DESIGN
 OPERATIONAL MONITORING
 WELL MW-01



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

PROPOSED OPERATIONAL
 MONITORING WELL MW-01
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1010 ft. frm (N/S) N Line of quarter section and 1040 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number O-01	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	27.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

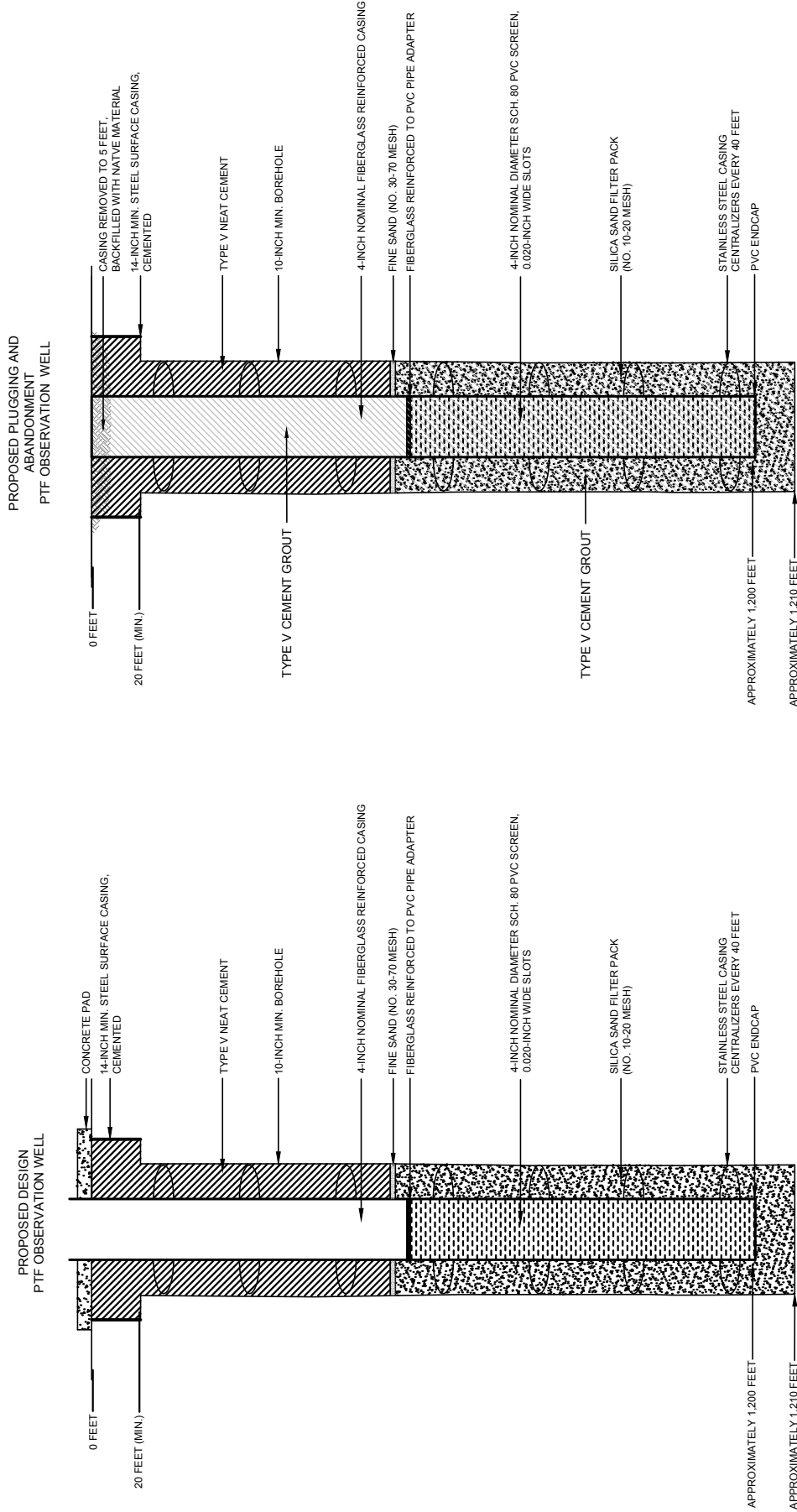
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**TEST FACILITY PROPOSED
 OBSERVATION WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1010 ft. frm (N/S) N Line of quarter section and 900 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number O-02	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	27.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

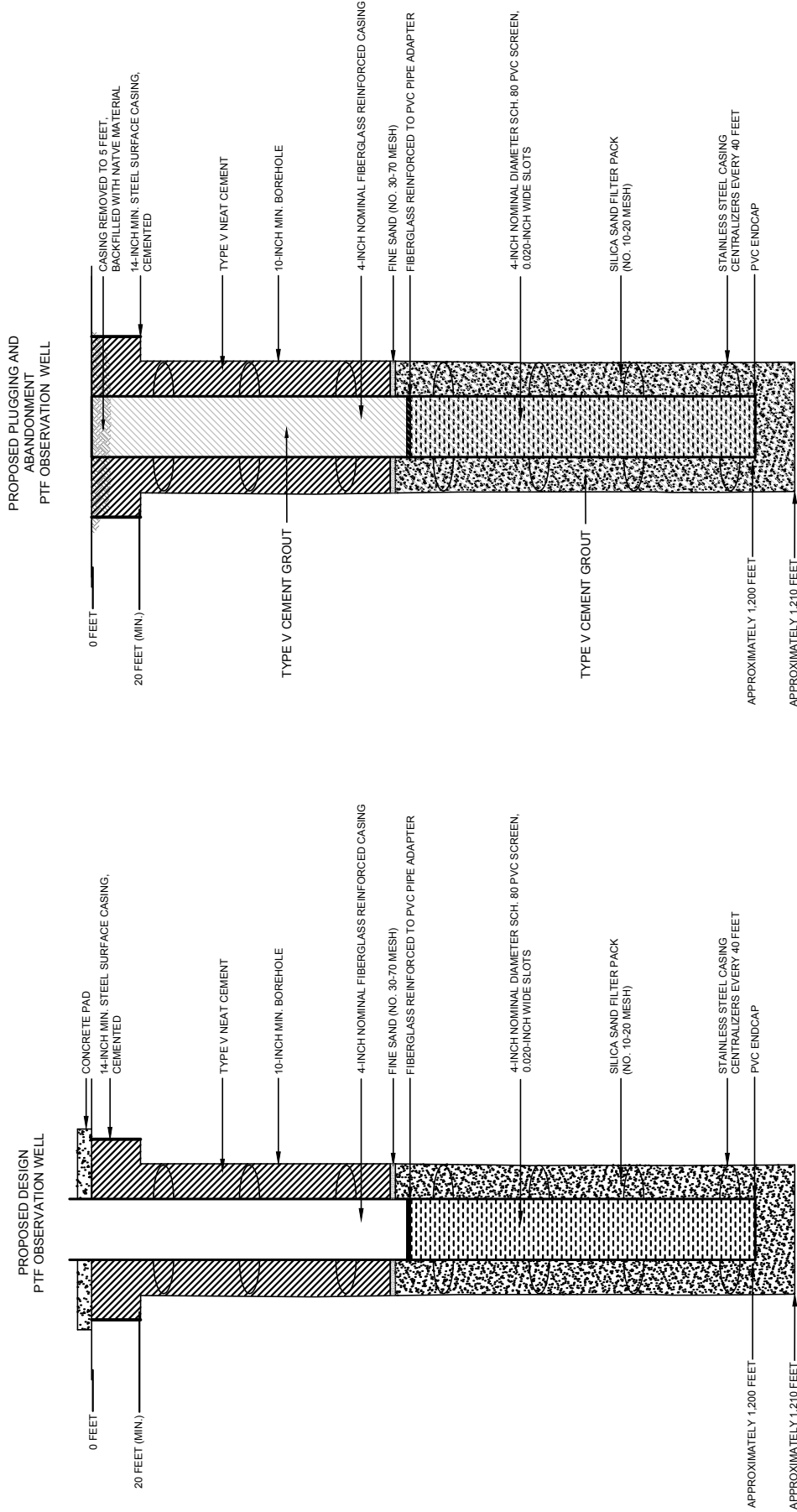
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
---	----------------------	----------------------------------



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TEST FACILITY PROPOSED OBSERVATION WELL ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1150 ft. frm (N/S) N Line of quarter section and 900 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number O-03	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	27.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

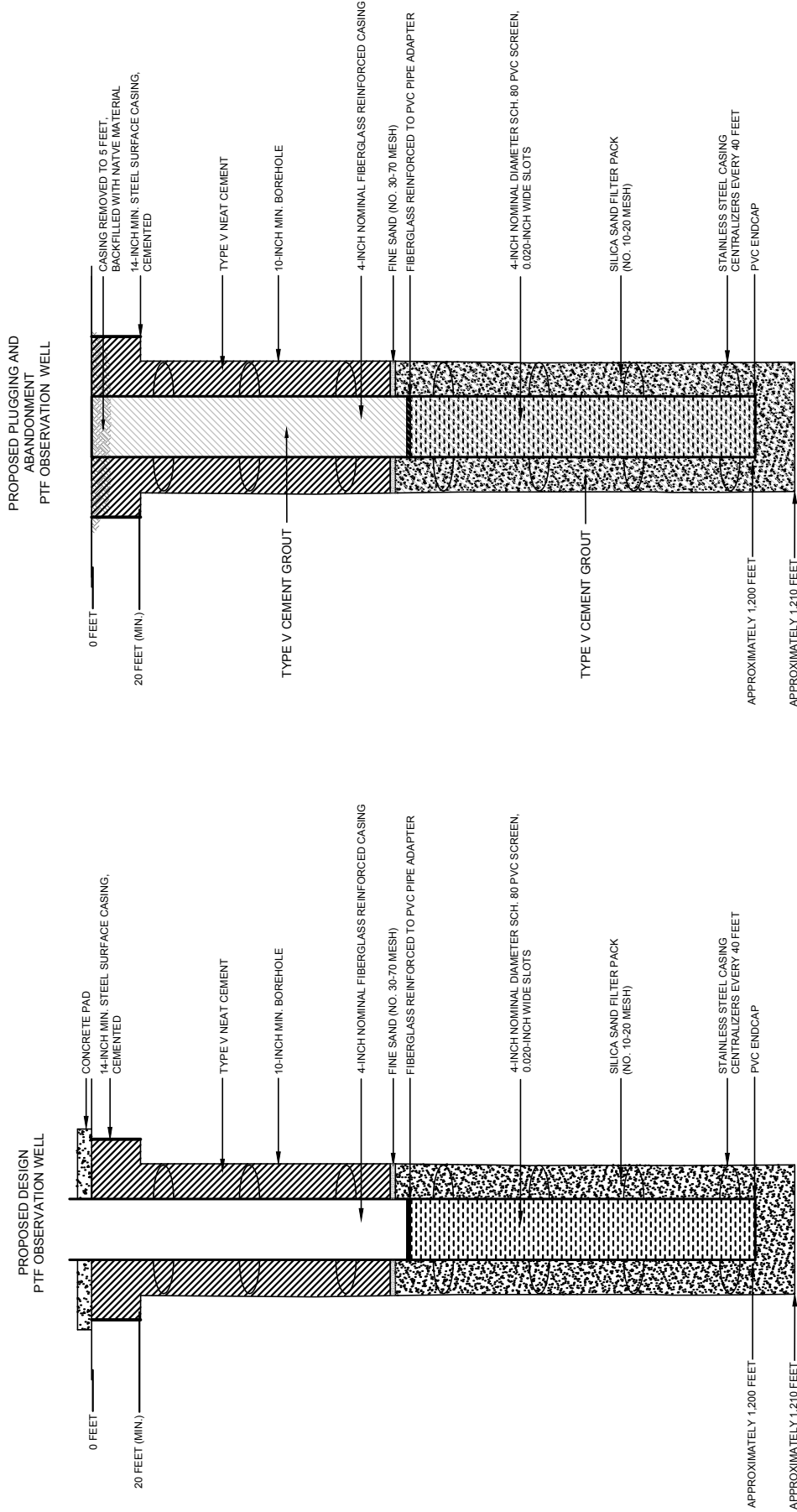
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
---	----------------------	----------------------------------



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**TEST FACILITY PROPOSED
 OBSERVATION WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1225 ft. frm (N/S) N Line of quarter section and 1115 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number O-04	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	27.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

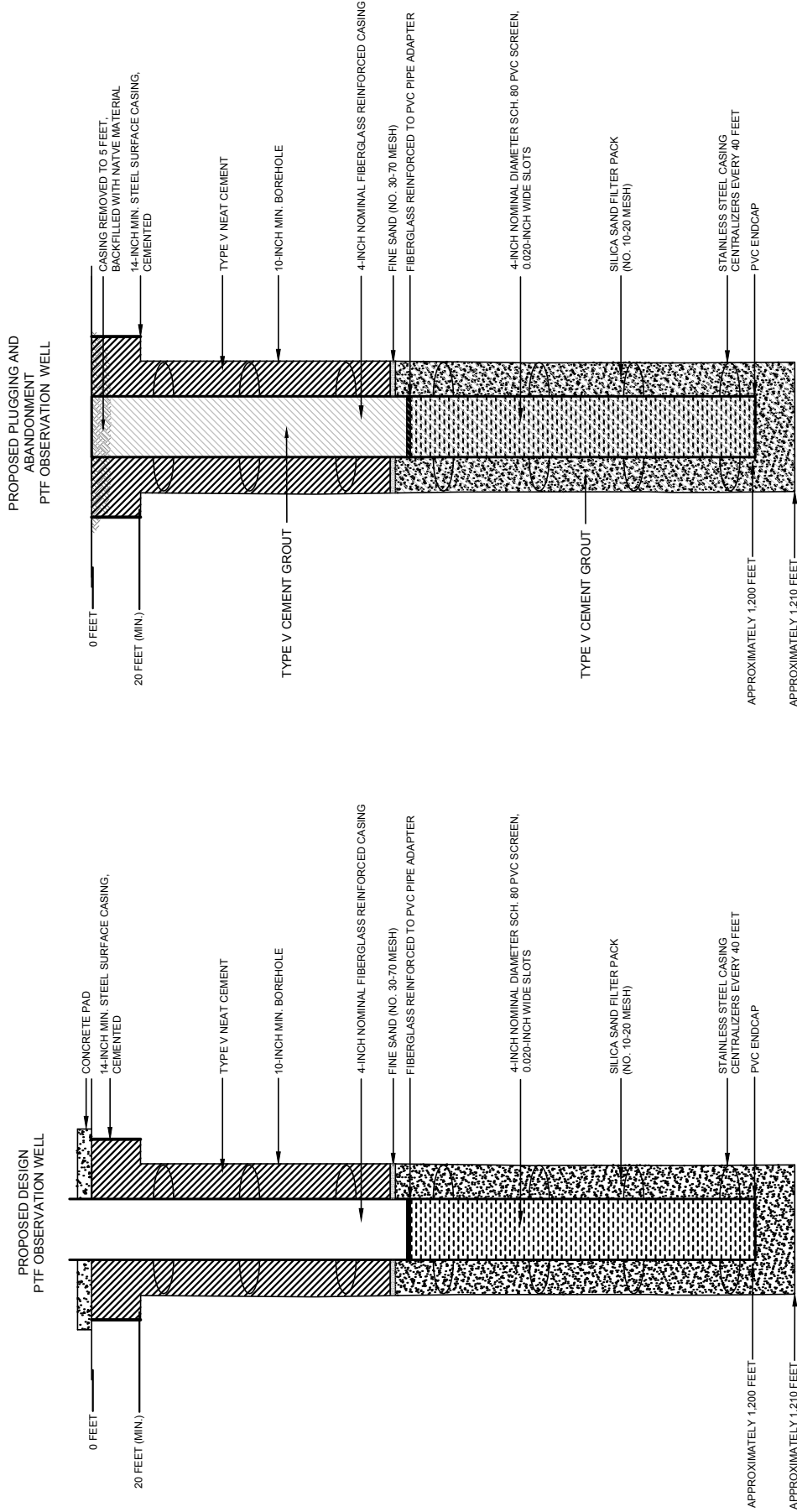
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
---	----------------------	----------------------------------



HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**TEST FACILITY PROPOSED
 OBSERVATION WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1155 ft. frm (N/S) N Line of quarter section and 1180 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number O-05	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	27.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

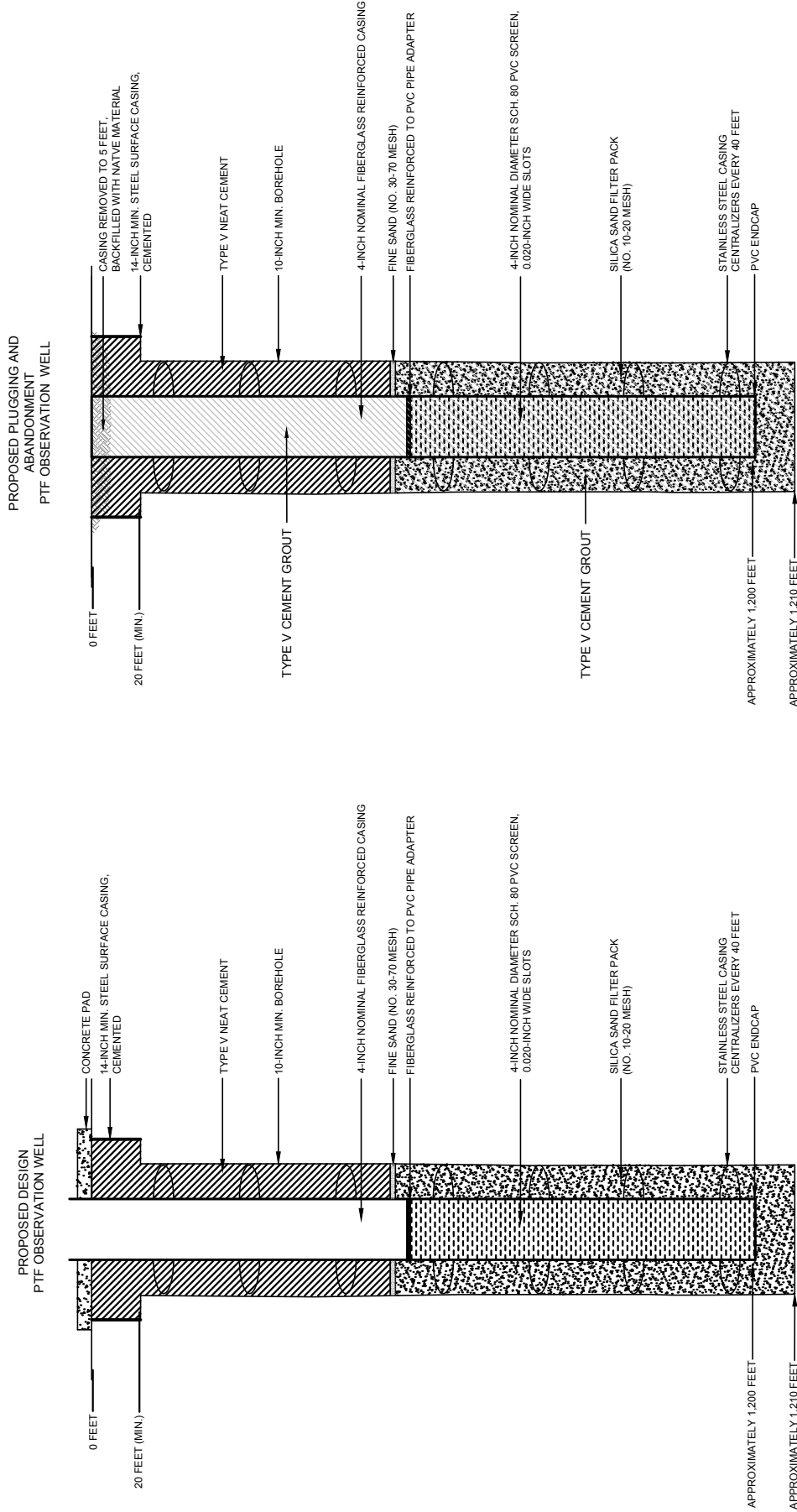
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**TEST FACILITY PROPOSED
 OBSERVATION WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1010 ft. frm (N/S) N Line of quarter section and 1180 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells <u>1</u> Lease Name <u>NA</u>		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number <u>O-06</u>	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	27.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	3	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

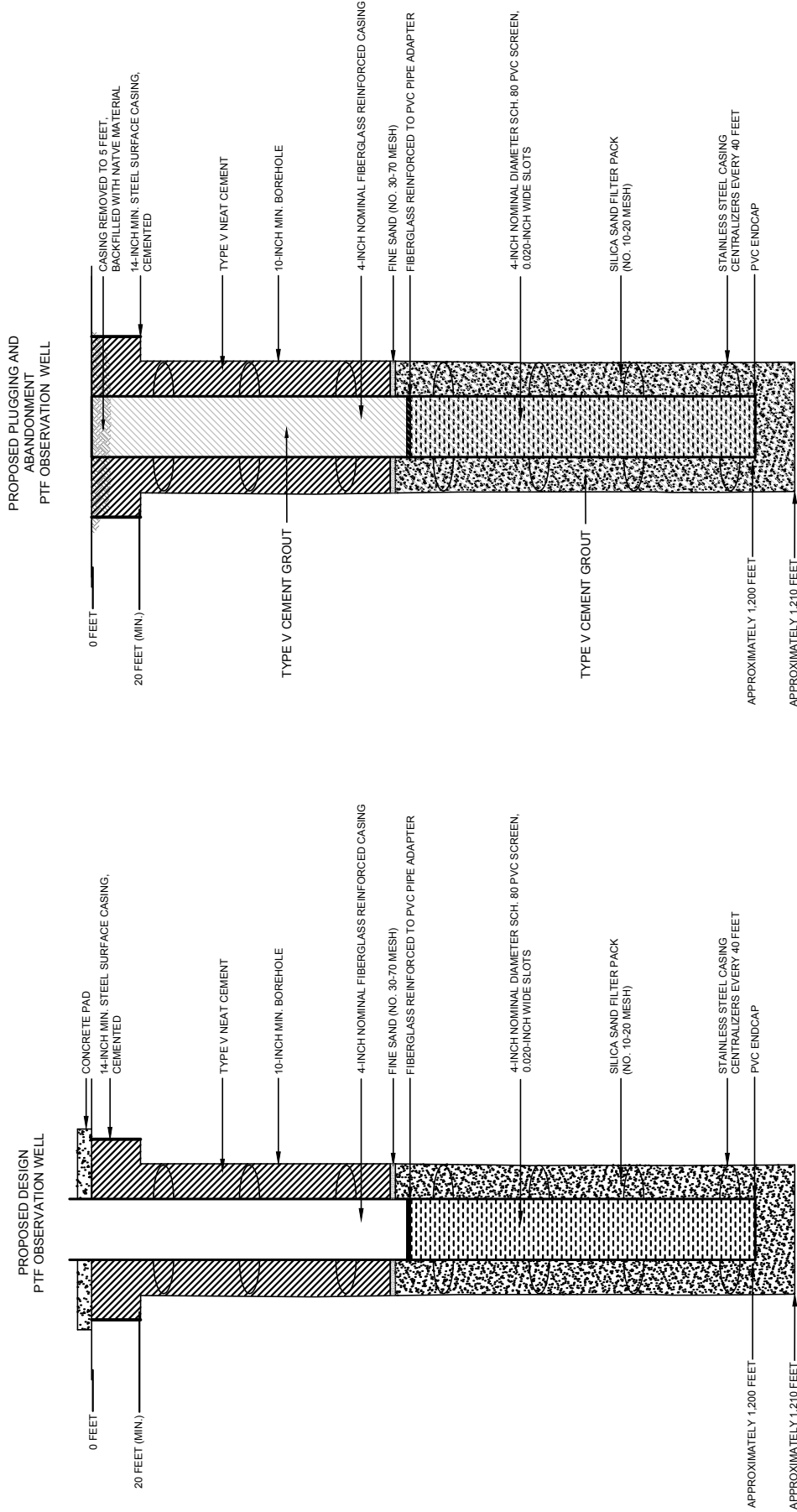
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**TEST FACILITY PROPOSED
 OBSERVATION WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
Surface Location Description NW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E			
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 940 ft. frm (N/S) N Line of quarter section and 1120 ft. from (E/W) E Line of quarter section.			
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number O-07	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
14"	27.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

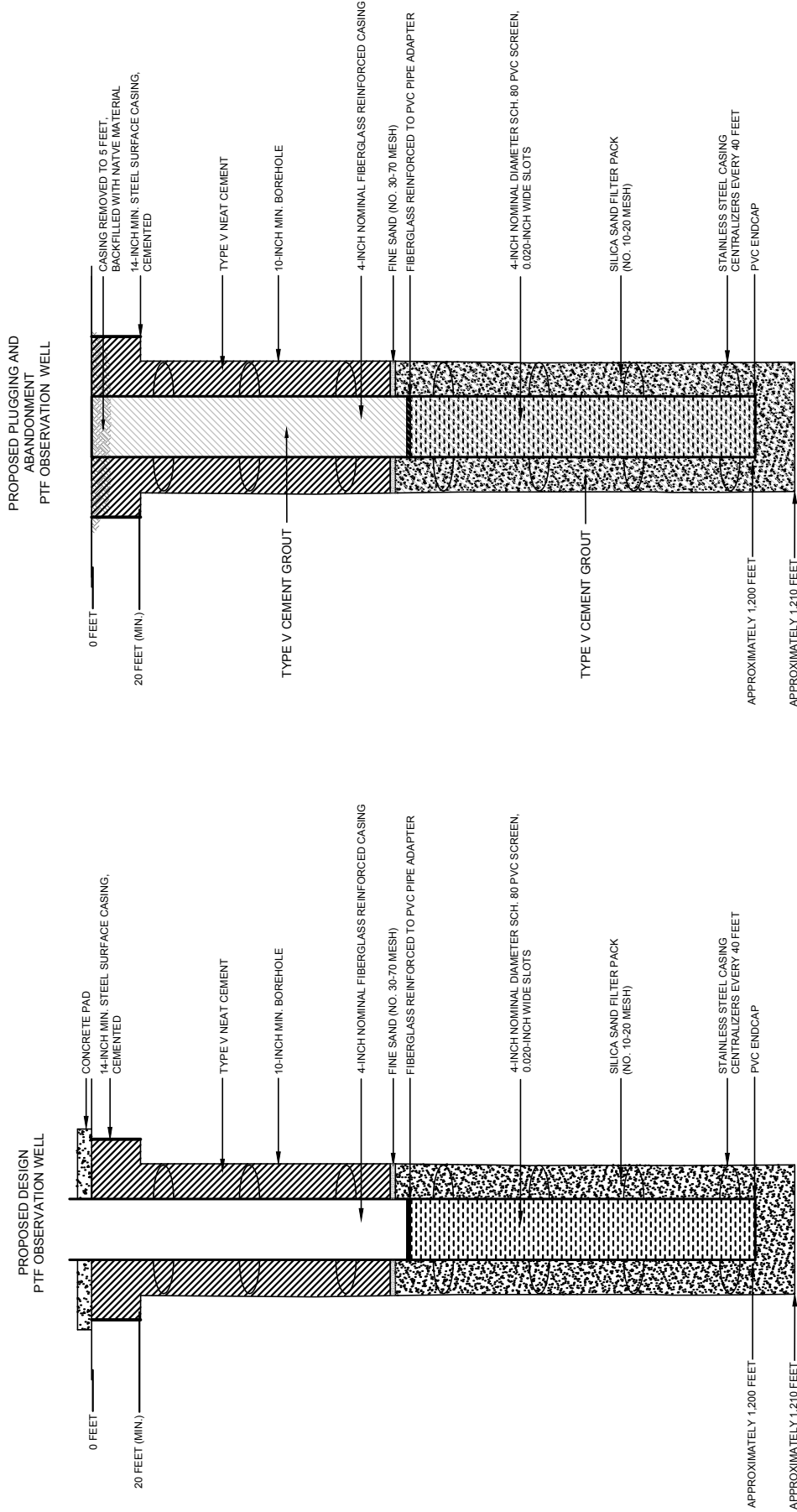
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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HALEY & ALDRICH
 FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**TEST FACILITY PROPOSED
 OBSERVATION WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description NW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 940 ft. frm (N/S) N Line of quarter section and 1050 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number R-01	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other- 20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4 ¹	PLUG #5 ¹	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

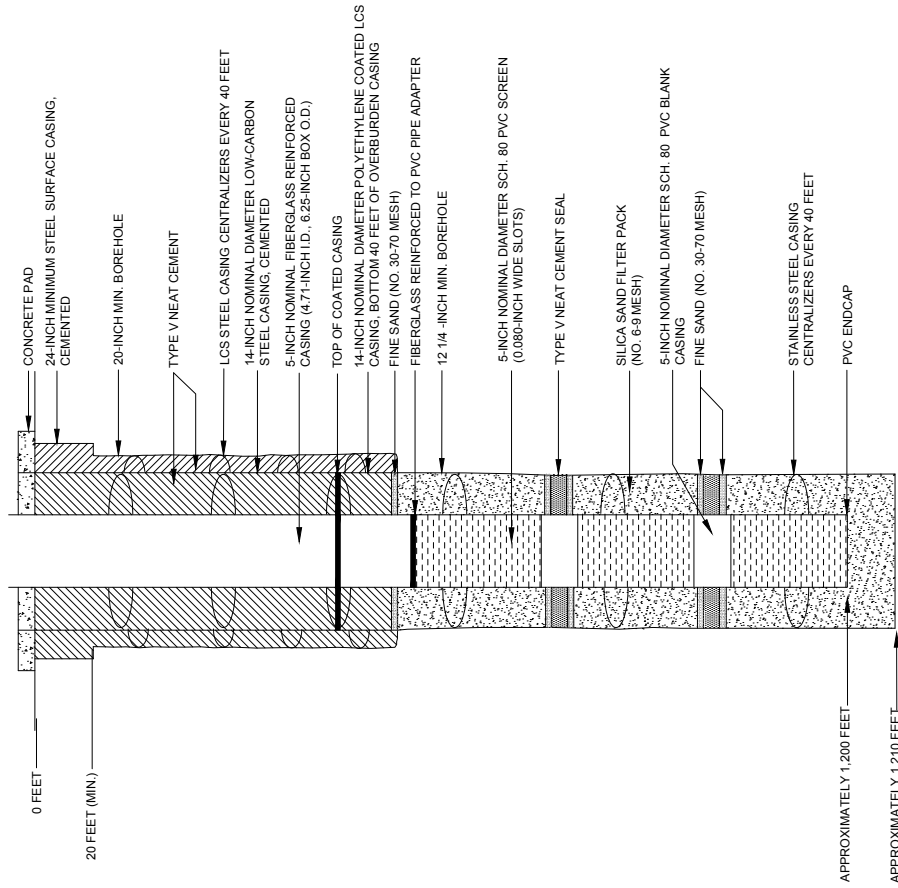
Certification

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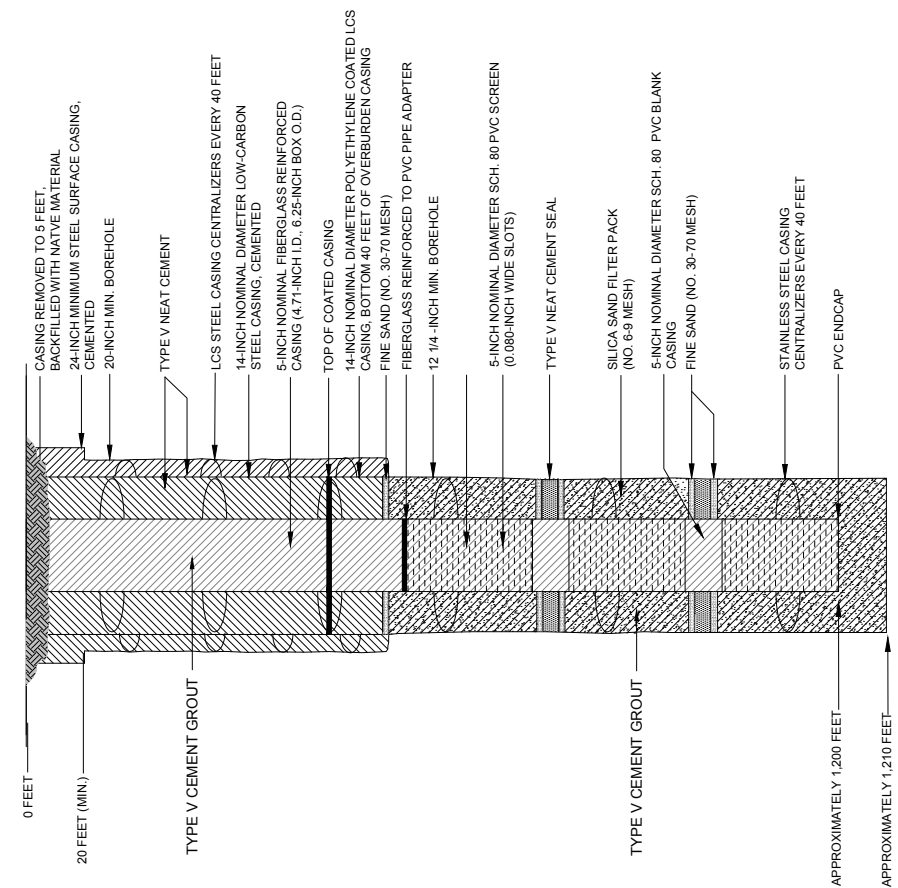
Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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¹ Intermediate plugs between screened intervals

PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1015 ft. frm (N/S) N Line of quarter section and 980 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number R-02	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
28"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other -20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

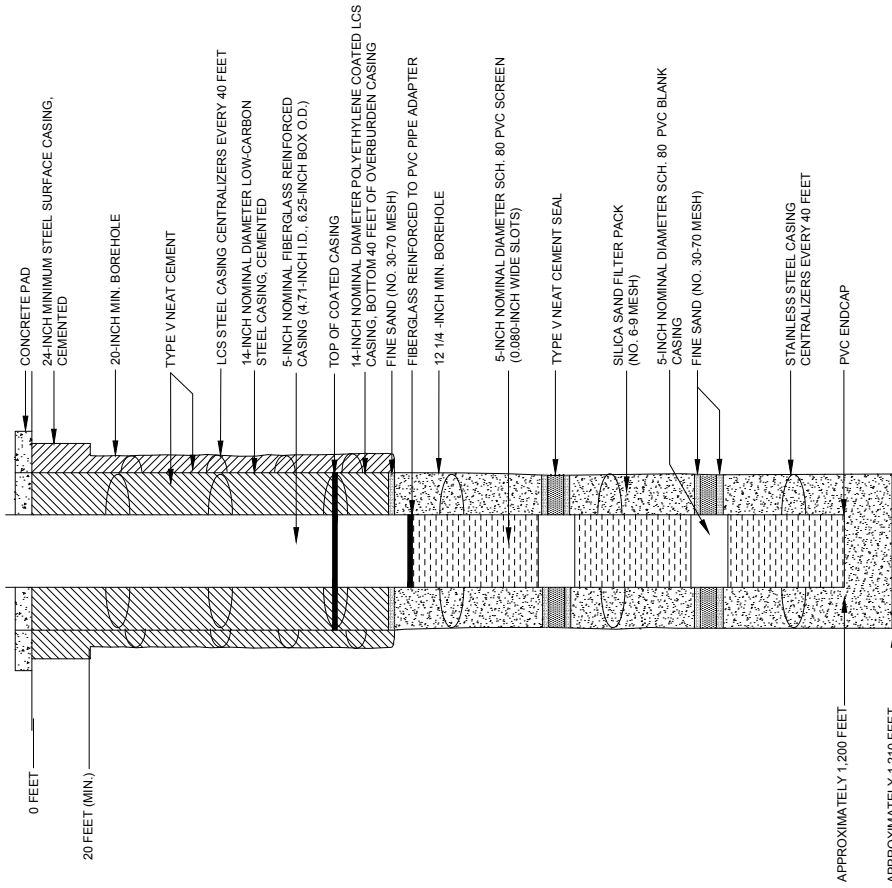
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

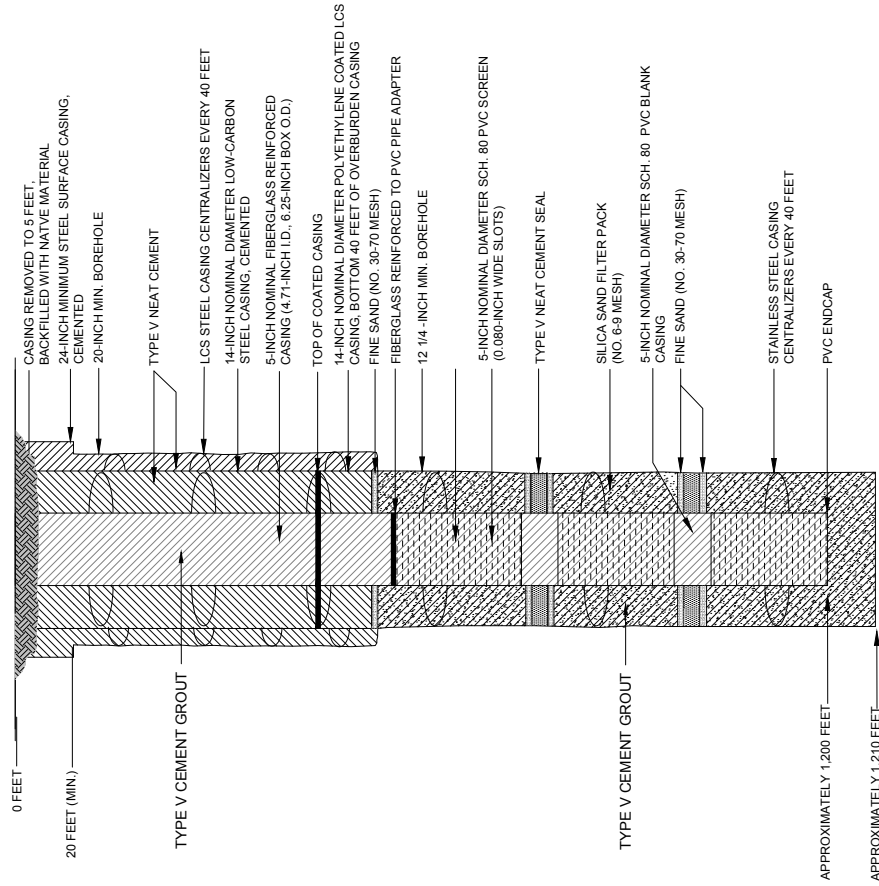
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1080 ft. frm (N/S) N Line of quarter section and 900 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number R-03	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4 ¹	PLUG #5 ¹	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

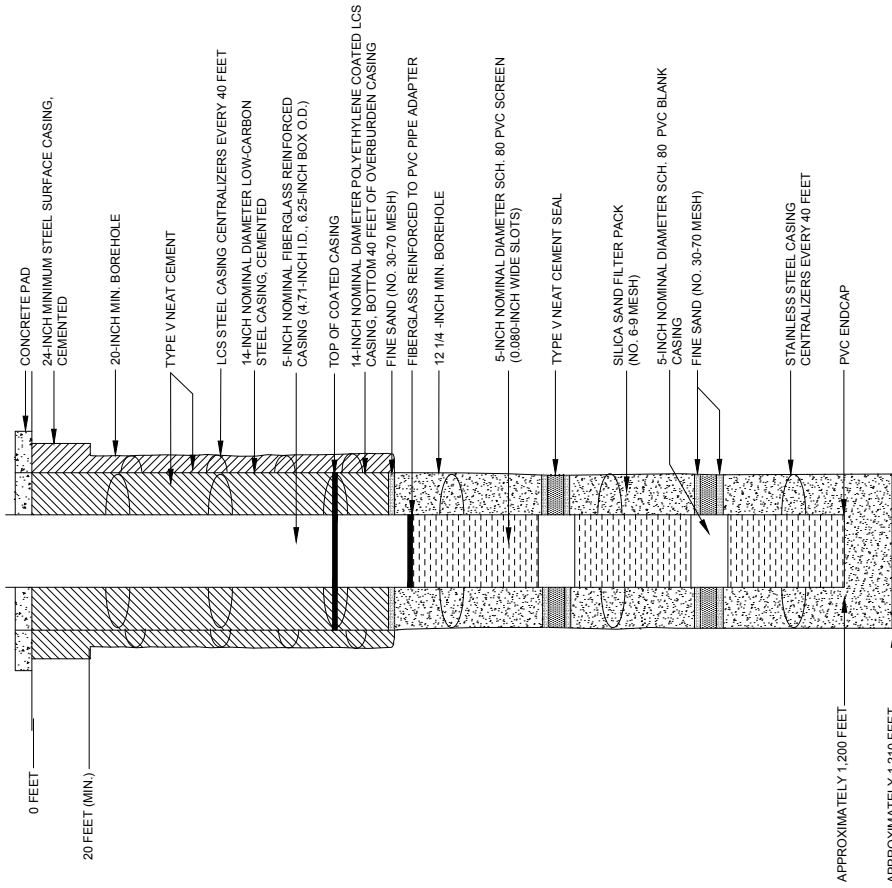
Certification

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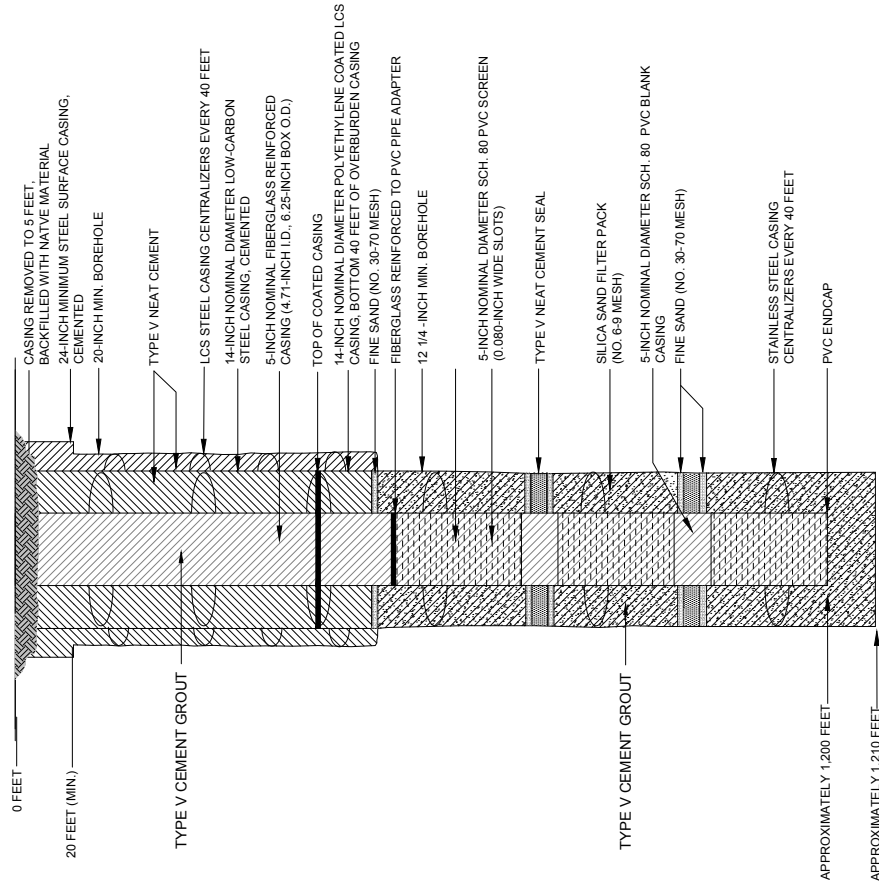
Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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¹ Intermediate plugs between screened intervals

PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SE 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1160 ft. frm (N/S) N Line of quarter section and 975 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number R-04	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other- 20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5						
Depth to Bottom of Tubing or Drill Pipe (ft)	1200						
Sacks of Cement To Be Used (each plug)	128						
Slurry Volume To Be Pumped (cu. ft.)	163						
Calculated Top of Plug (ft.)	0						
Measured Top of Plug (if tagged ft.)	NA						
Slurry Wt. (Lb./Gal.)	15.4						
Type Cement or Other Material (Class III)	V						

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

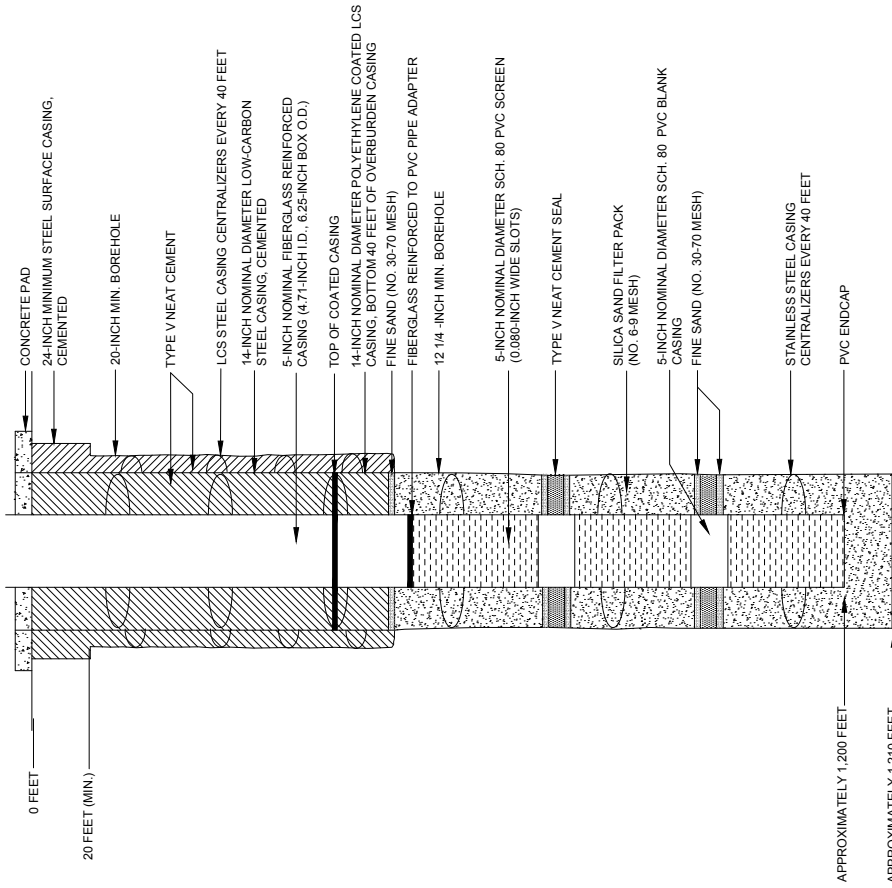
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

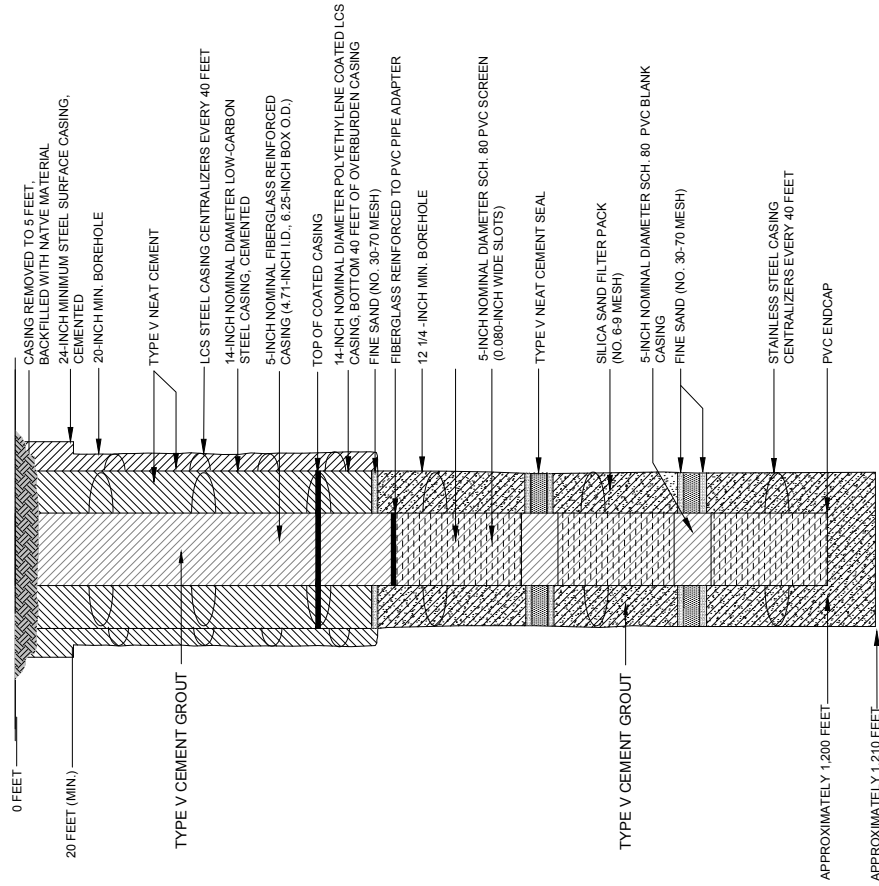
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E			
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1020 ft. frm (N/S) N Line of quarter section and 1040 ft. from (E/W) E Line of quarter section.			
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number R-05	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other-20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

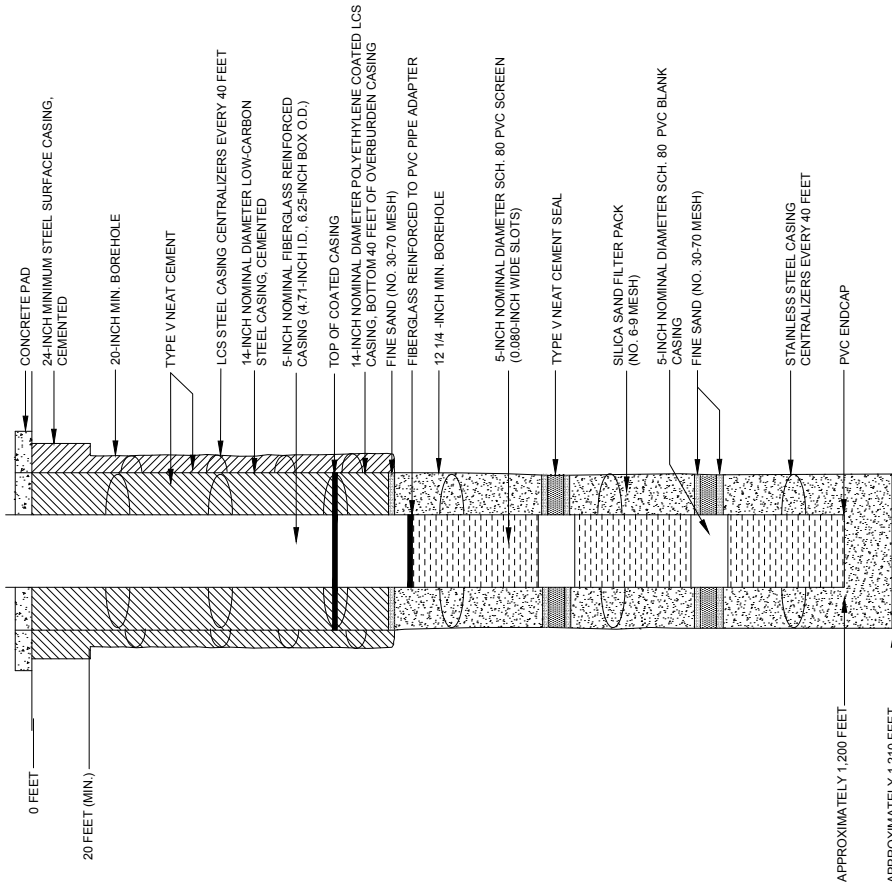
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

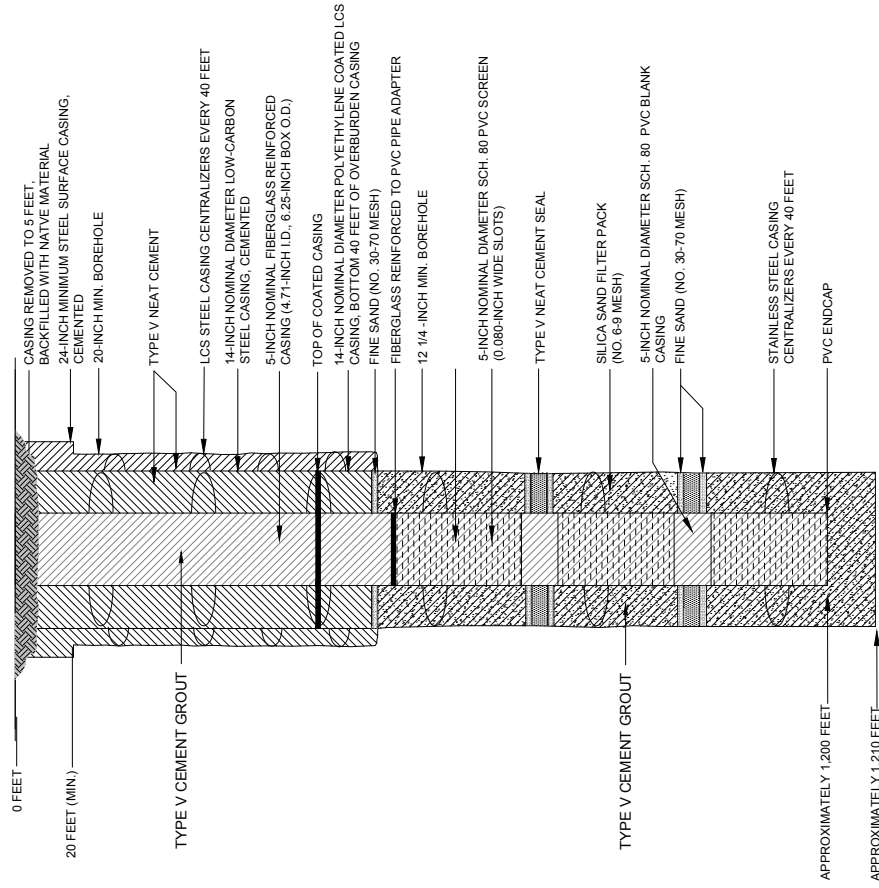
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1150 ft. frm (N/S) N Line of quarter section and 1120 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number R-06	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other 20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	750		
760	960		
1000	1200		

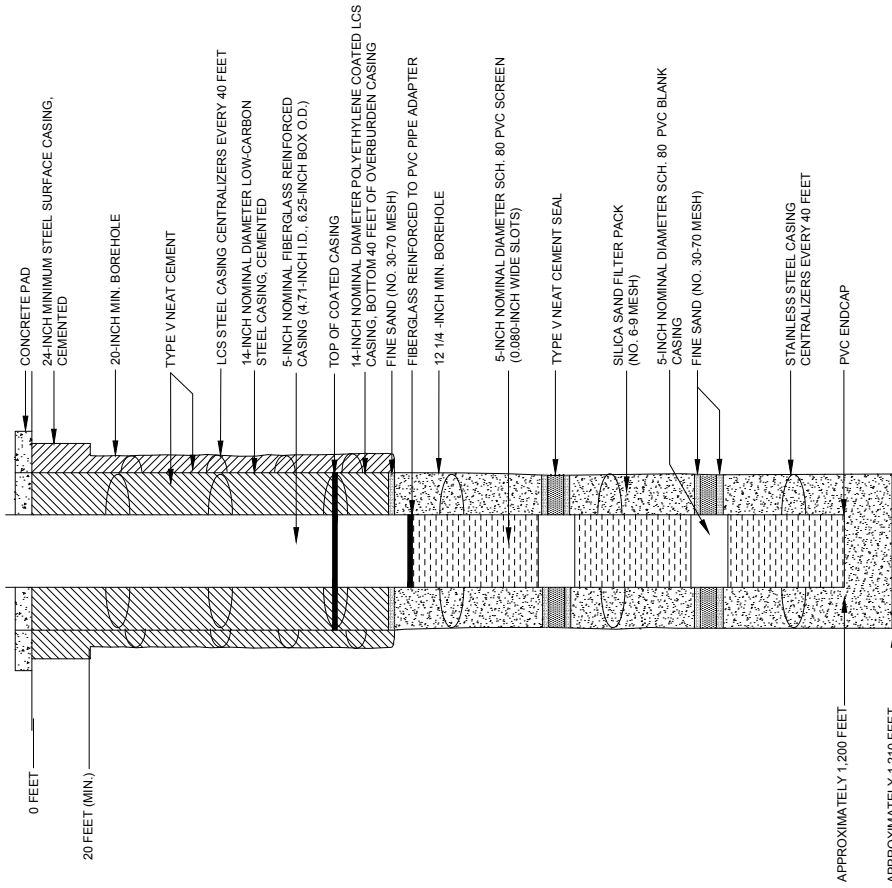
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

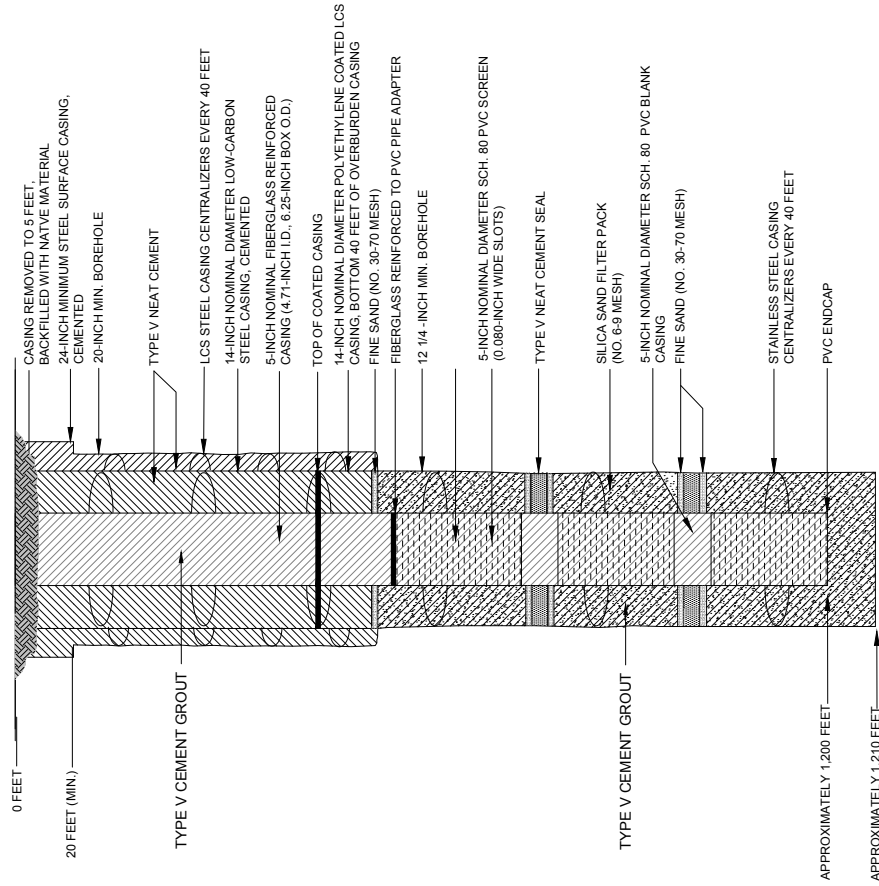
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1080 ft. frm (N/S) N Line of quarter section and 1190 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number R-07	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other-20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	128							
Slurry Volume To Be Pumped (cu. ft.)	163							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

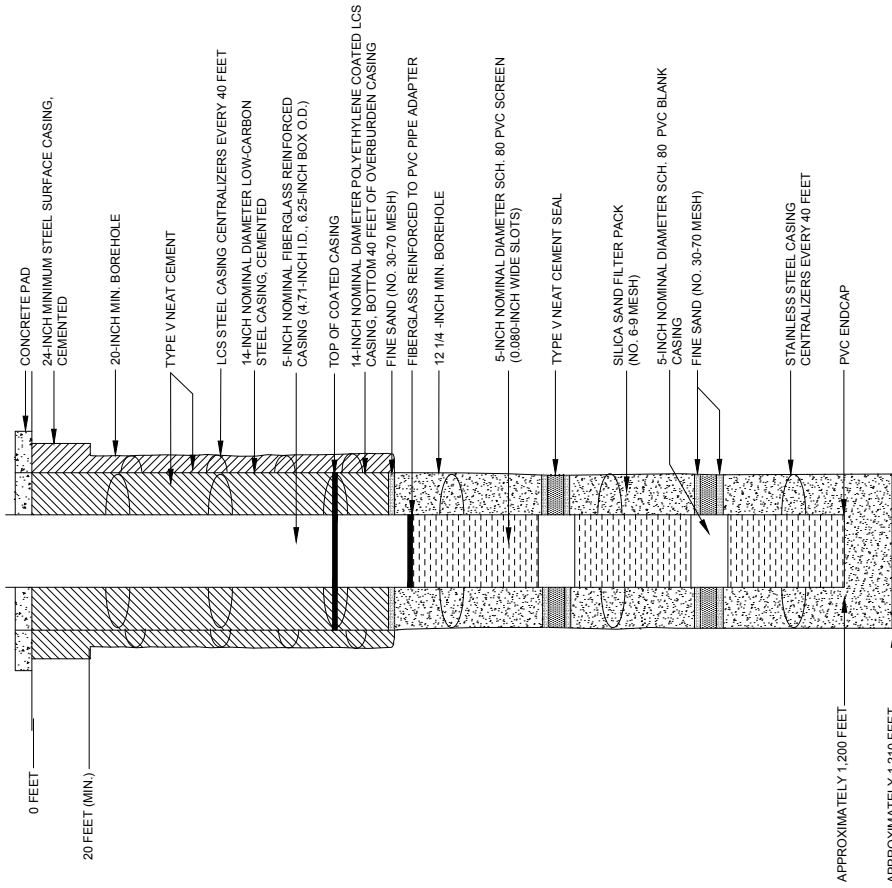
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

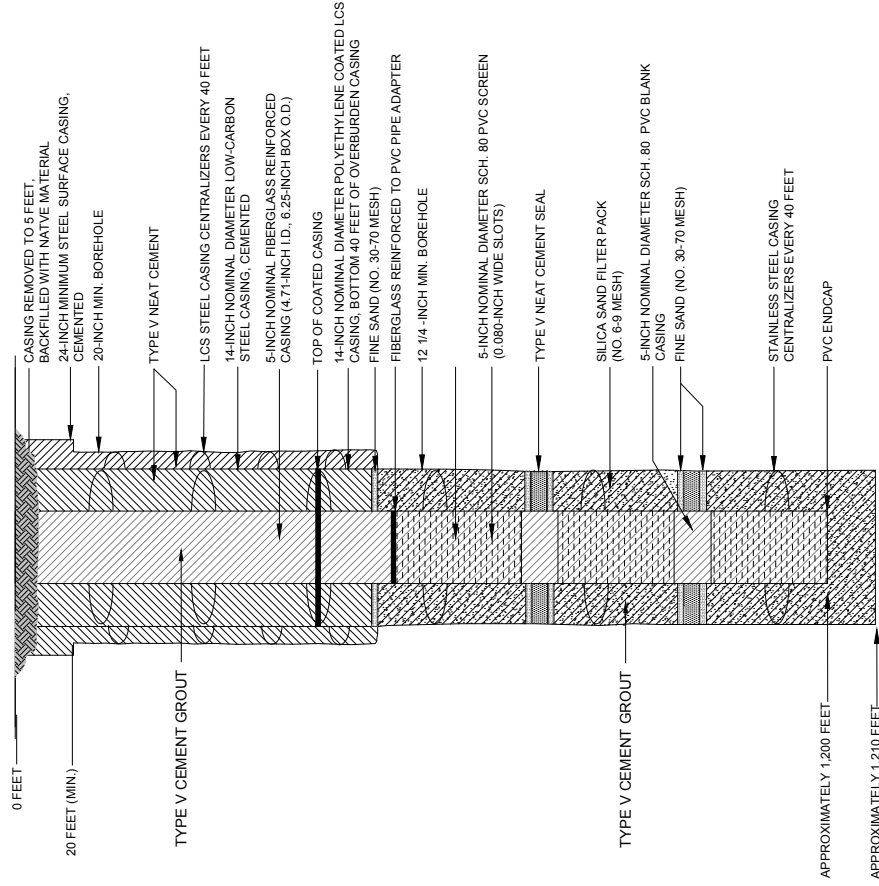
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1010 ft. frm (N/S) N Line of quarter section and 1120 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number R-08	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
24"	94.62	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
14"	45.68	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
5"	5.61	510	510	14"	<input type="checkbox"/> The Two-Plug Method
5"	3	690	690	12.25"	<input checked="" type="checkbox"/> Other -20" bore hole will be grouted using the plug displacement method

CEMENTING TO PLUG AND ABANDON DATA:							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	5						
Depth to Bottom of Tubing or Drill Pipe (ft)	1200						
Sacks of Cement To Be Used (each plug)	128						
Slurry Volume To Be Pumped (cu. ft.)	163						
Calculated Top of Plug (ft.)	0						
Measured Top of Plug (if tagged ft.)	NA						
Slurry Wt. (Lb./Gal.)	15.4						
Type Cement or Other Material (Class III)	V						

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

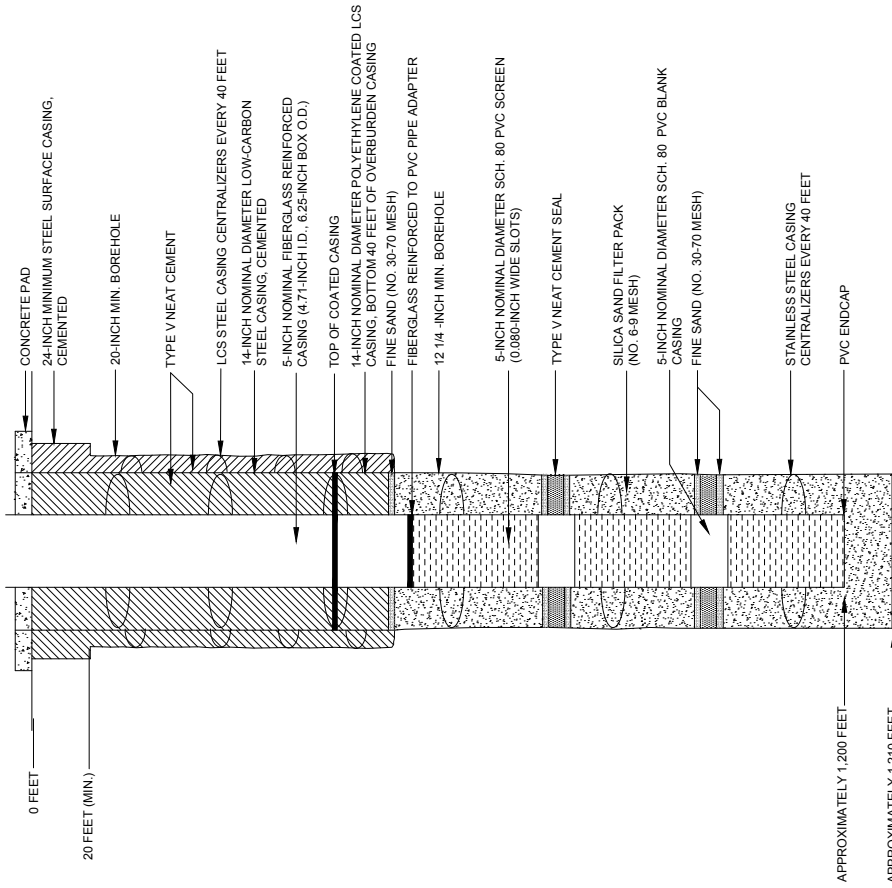
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

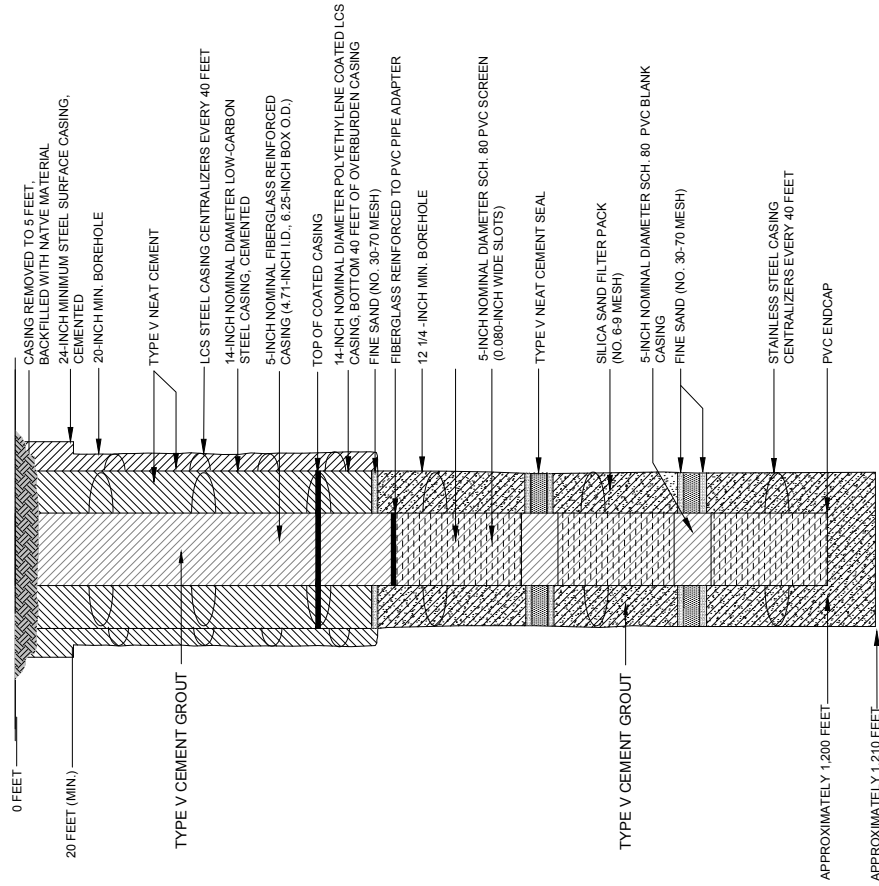
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED DESIGN
 INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
 AND RECOVERY WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E			
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1080 ft. frm (N/S) N Line of quarter section and 1135 ft. from (E/W) E Line of quarter section.			
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells <u>1</u> Lease Name <u>NA</u>		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number <u>R-09</u>	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
26"	102.6	20	20	28"	<input checked="" type="checkbox"/> The Balance Method
16"	52.6	490	490	20"	<input type="checkbox"/> The Dump Bailer Method
8"	8.2	510	510	14"	<input type="checkbox"/> The Two-Plug Method
8"	8	690	690	12.25"	<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	8							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	329							
Slurry Volume To Be Pumped (cu. ft.)	419							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
520	720		
760	960		
1000	1200		

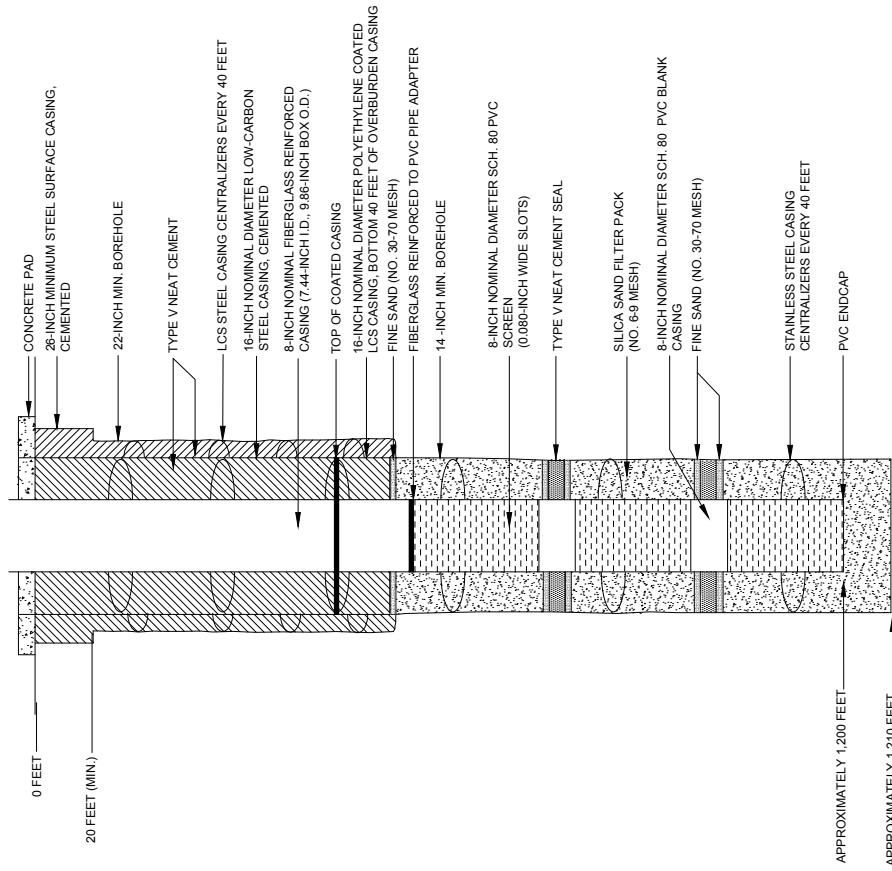
Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

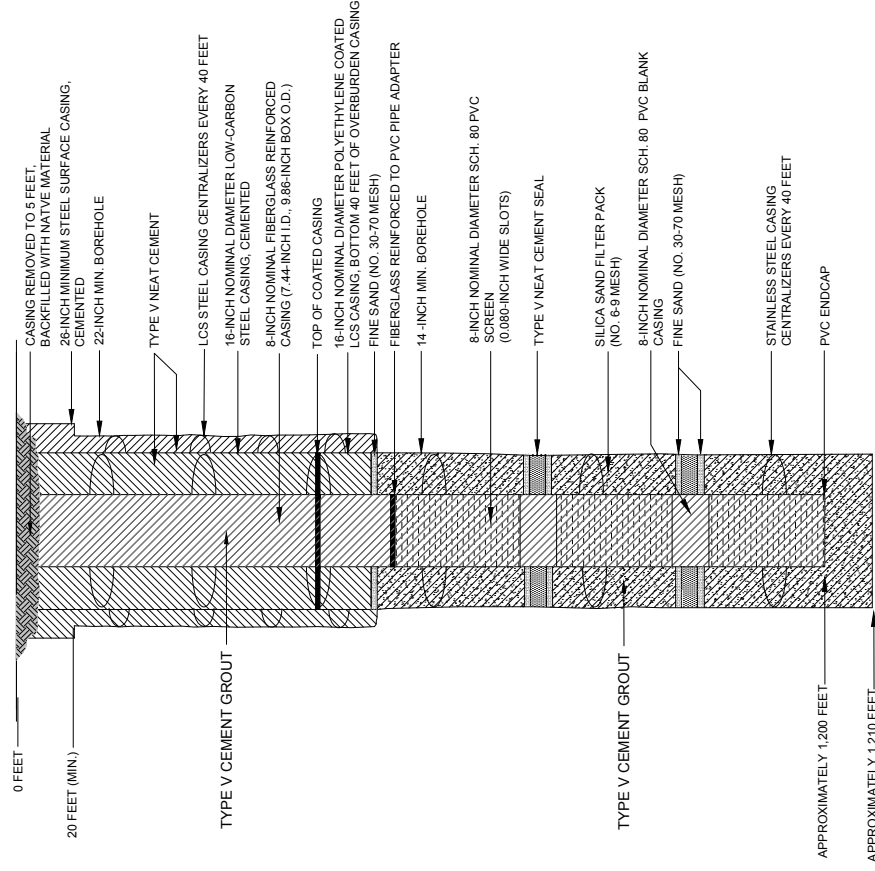
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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PROPOSED WELL DESIGN
 R-09 CENTRAL RECOVERY WELL



PROPOSED PLUGGING AND
 ABANDONMENT
 R-09 CENTRAL RECOVERY WELL



FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

R-09 CENTRAL RECOVERY
 PROPOSED WELL
 ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1045 ft. frm (N/S) N Line of quarter section and 1045 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number WB-01	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
16"	31.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

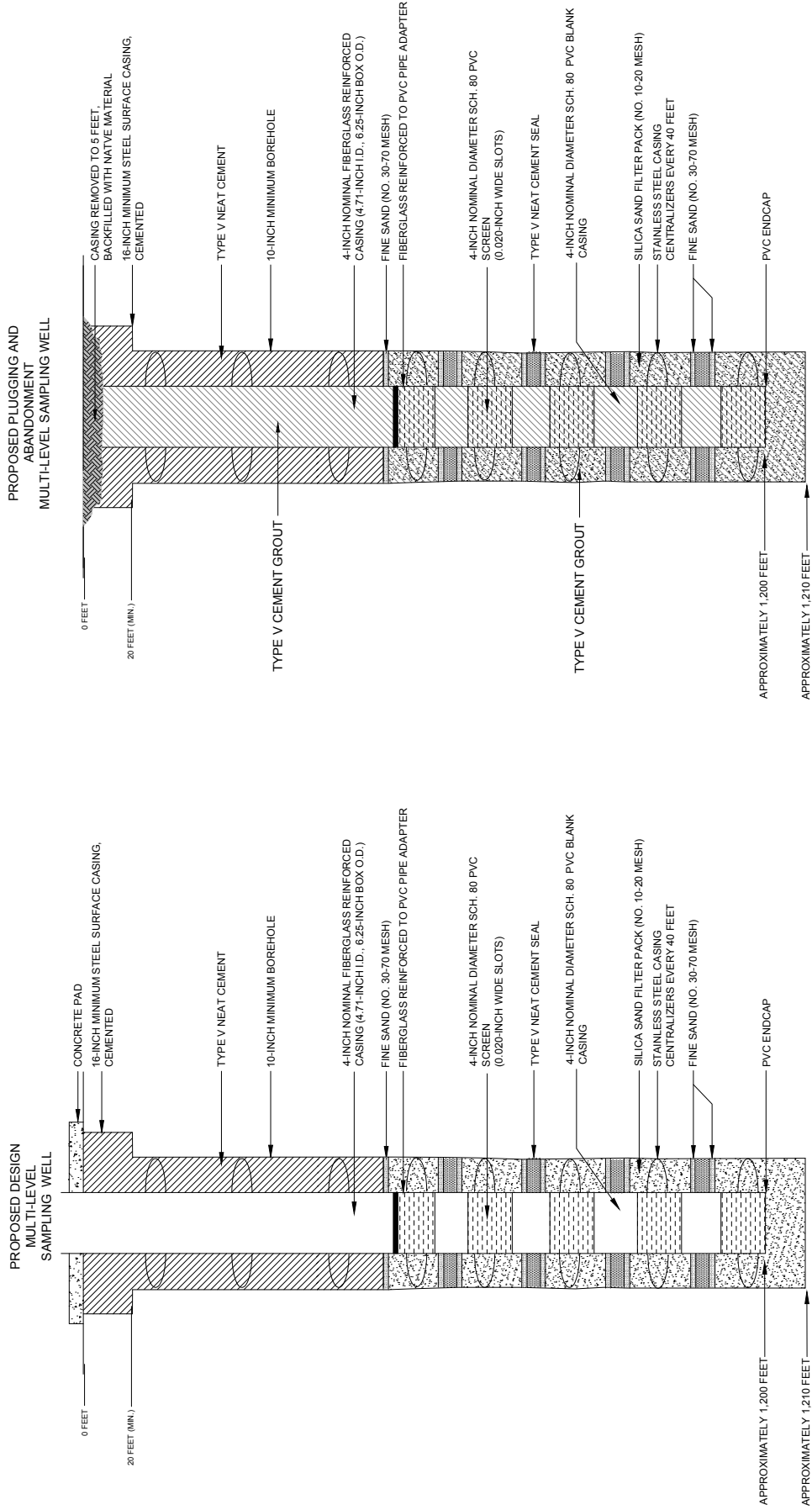
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
525	600	1125	1200
675	750		
825	900		
975	1050		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**MULTI-LEVEL SAMPLING
 PROPOSED WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E			
Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1080 ft. frm (N/S) N Line of quarter section and 1000 ft. from (E/W) E Line of quarter section.			
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number WB-02	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
16"	31.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

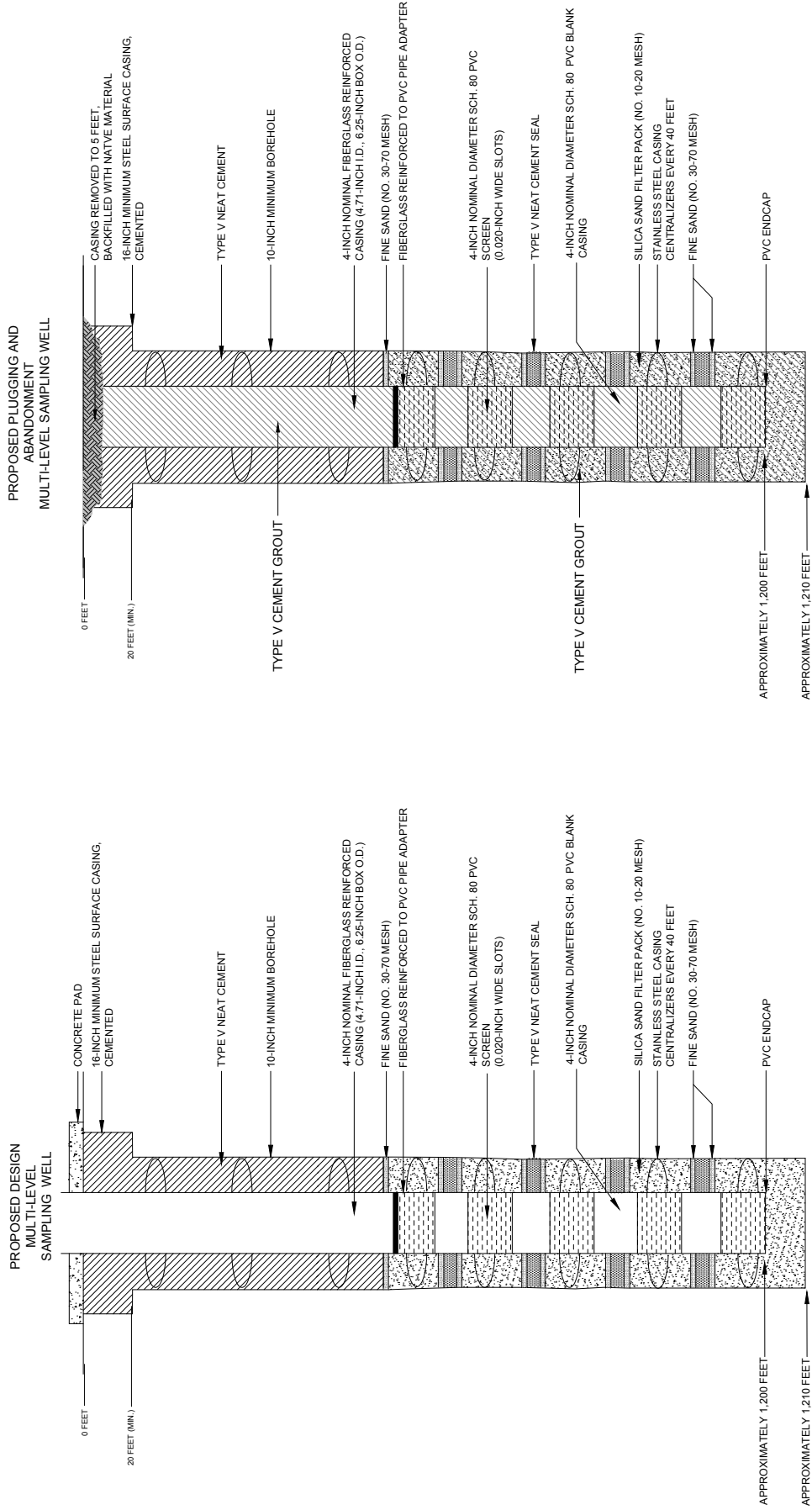
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
525	600	1125	1200
675	750		
825	900		
975	1050		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**MULTI-LEVEL SAMPLING
 PROPOSED WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1120 ft. frm (N/S) N Line of quarter section and 1045 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells <u>1</u> Lease Name <u>NA</u>		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number <u>WB-03</u>	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
16"	31.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	10"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:							
	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4						
Depth to Bottom of Tubing or Drill Pipe (ft)	1200						
Sacks of Cement To Be Used (each plug)	82						
Slurry Volume To Be Pumped (cu. ft.)	105						
Calculated Top of Plug (ft.)	0						
Measured Top of Plug (if tagged ft.)	NA						
Slurry Wt. (Lb./Gal.)	15.4						
Type Cement or Other Material (Class III)	V						

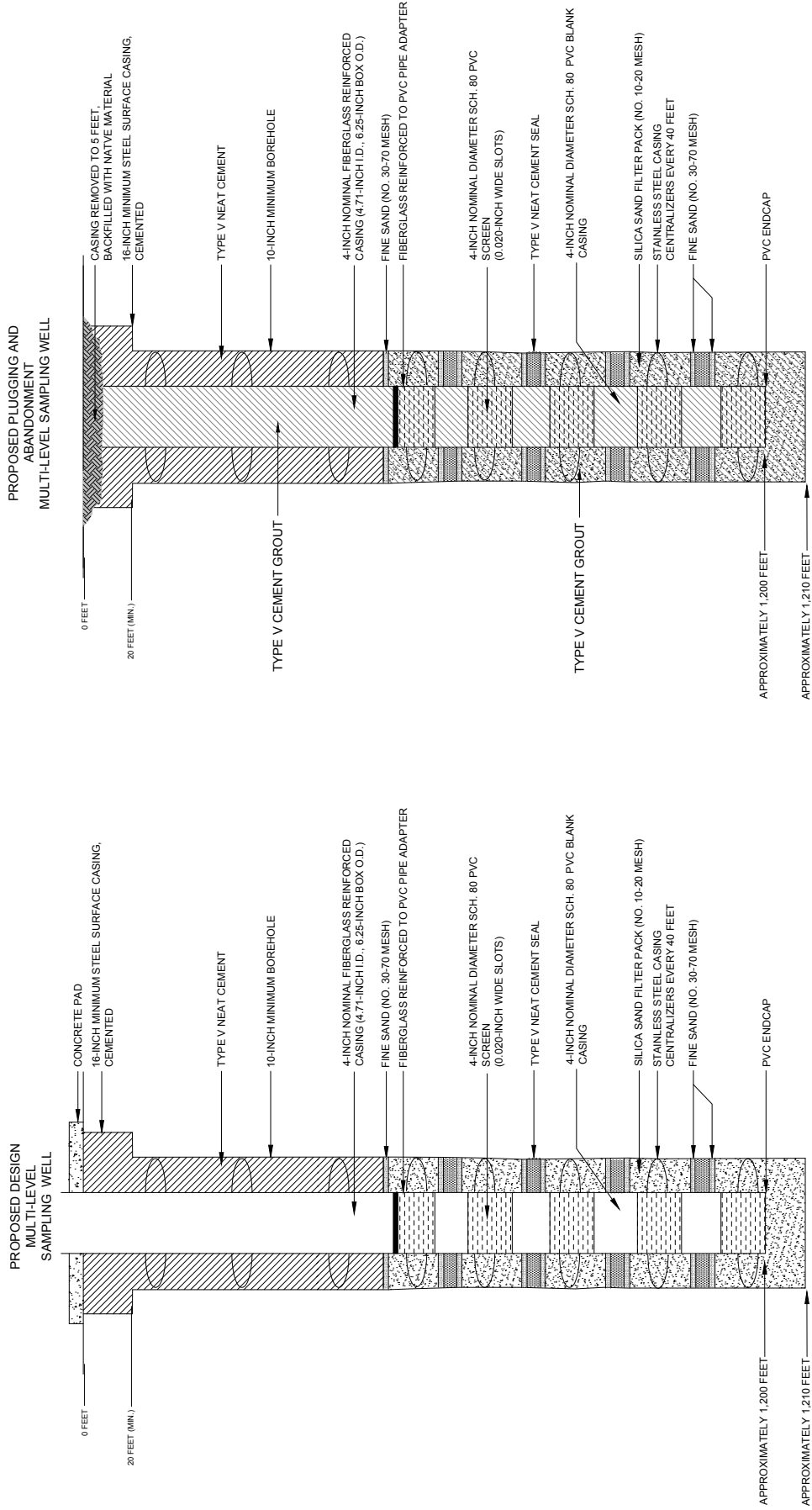
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
525	600	1125	1200
675	750		
825	900		
975	1050		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**MULTI-LEVEL SAMPLING
 PROPOSED WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132	Name and Address of Owner/Operator Florence Copper, Inc. 1575 W Hunt Hwy, Florence, AZ 85132
---	---

Locate Well and Outline Unit on Section Plat - 640 Acres 	State Arizona	County Pinal	Permit Number AZ396000001
	Surface Location Description SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E		
	Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location 1080 ft. frm (N/S) N Line of quarter section and 1080 ft. from (E/W) E Line of quarter section.		
TYPE OF AUTHORIZATION <input type="checkbox"/> Individual Permit <input checked="" type="checkbox"/> Area Permit <input type="checkbox"/> Rule Number of Wells 1 Lease Name NA		WELL ACTIVITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage <input checked="" type="checkbox"/> CLASS III Well Number WB-04	

CASING AND TUBING RECORD AFTER PLUGGING					METHOD OF EMPLACEMENT OF CEMENT PLUGS
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	
16"	31.66	20	20	20"	<input checked="" type="checkbox"/> The Balance Method
4"	5.61	510	510	20"	<input type="checkbox"/> The Dump Bailer Method
4"	2	690	690	10"	<input type="checkbox"/> The Two-Plug Method
					<input type="checkbox"/> Other

CEMENTING TO PLUG AND ABANDON DATA:		PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inches)	4							
Depth to Bottom of Tubing or Drill Pipe (ft)	1200							
Sacks of Cement To Be Used (each plug)	82							
Slurry Volume To Be Pumped (cu. ft.)	105							
Calculated Top of Plug (ft.)	0							
Measured Top of Plug (if tagged ft.)	NA							
Slurry Wt. (Lb./Gal.)	15.4							
Type Cement or Other Material (Class III)	V							

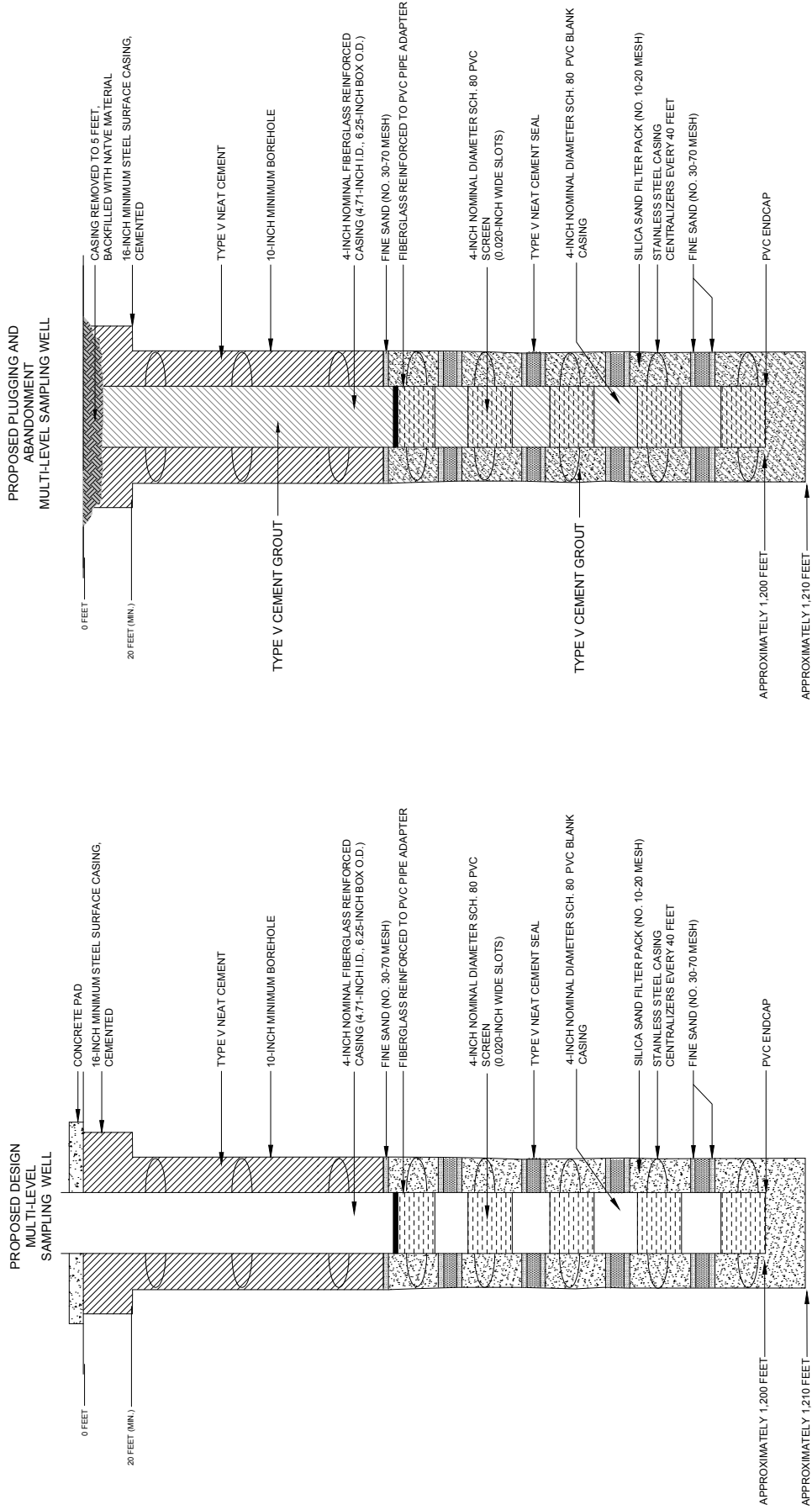
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From	To	From	To
525	600	1125	1200
675	750		
825	900		
975	1050		

Estimated Cost to Plug Wells
 \$12,500 - abandonment costs

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services	Signature 	Date Signed 10/01/2014
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FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

**MULTI-LEVEL SAMPLING
 PROPOSED WELL
 ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
 AUGUST 2014