

US EPA ARCHIVE DOCUMENT

APPENDIX F – Closure and Post-Closure Plans

UIC PERMIT APPLICATION
FLORENCE COPPER PROJECT – PRODUCTION TEST FACILITY
ATTACHMENT Q – PLUGGING AND ABANDONMENT PLAN

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.

UIC PERMIT APPLICATION
FLORENCE COPPER PROJECT – PRODUCTION TEST FACILITY
ATTACHMENT Q – PLUGGING AND ABANDONMENT PLAN

Exhibit Q-4

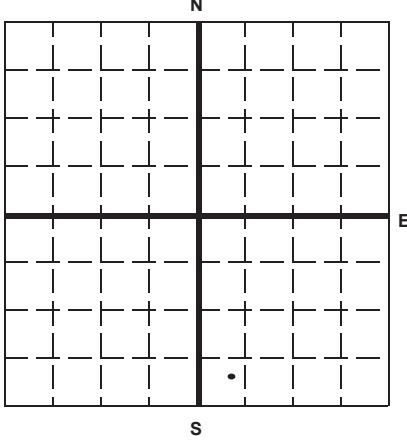
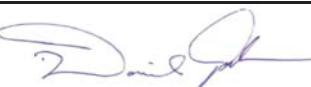
**EPA Forms 7520-14, Plugging and Abandonment Plans
for Class III Wells**

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																										
Locate Well and Outline Unit on Section Plat - 640 Acres 		State Arizona 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 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SIZE</th> <th>WT (LB/FT)</th> <th>TO BE PUT IN WELL (FT)</th> <th>TO BE LEFT IN WELL (FT)</th> <th>HOLE SIZE</th> </tr> </thead> <tbody> <tr> <td>12"</td> <td></td> <td>20</td> <td>20</td> <td>unknown</td> </tr> <tr> <td>8"</td> <td></td> <td>403</td> <td>403</td> <td>12.75</td> </tr> <tr> <td>1.5"</td> <td></td> <td>360</td> <td>360</td> <td>5.25</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	12"		20	20	unknown	8"		403	403	12.75	1.5"		360	360	5.25						METHOD OF EMPLACEMENT OF CEMENT PLUGS <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	
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE																								
12"		20	20	unknown																								
8"		403	403	12.75																								
1.5"		360	360	5.25																								
CEMENTING TO PLUG AND ABANDON DATA: Size of Hole or Pipe in which Plug Will Be Placed (inches) 5.875 Depth to Bottom of Tubing or Drill Pipe (ft) 740 Sacks of Cement To Be Used (each plug) 50 Slurry Volume To Be Pumped (cu. ft.) 63 Calculated Top of Plug (ft.) 403 Measured Top of Plug (if tagged ft.) NA Slurry Wt. (Lb./Gal.) 15.4 Type Cement or Other Material (Class III) Type V		PLUG #1 8 PLUG #2 PLUG #3 PLUG #4 PLUG #5 PLUG #6 PLUG #7																										
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)																												
From 403	To 740	From [Blank]	To [Blank]																									
[Blank]	[Blank]	[Blank]	[Blank]																									
[Blank]	[Blank]	[Blank]	[Blank]																									
Estimated Cost to Plug Wells \$8,800																												
Certification <p>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)</p>																												
Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services		Signature 																										
		Date Signed 08/06/2014																										

EPA Form 7520-14 (Rev. 12-11)

Paperwork Reduction Act Notice

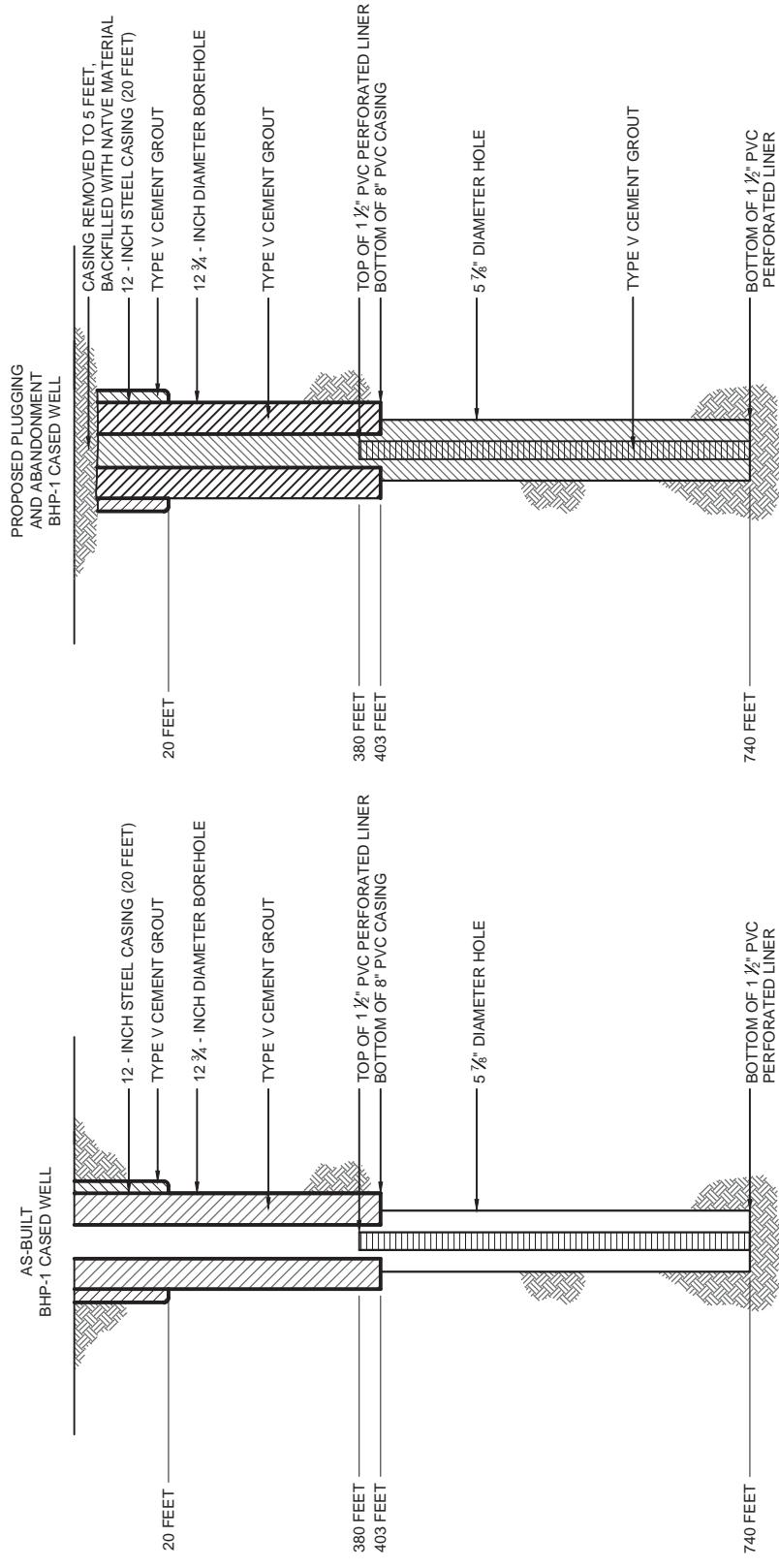
The public reporting and record keeping burden for this collection of information is estimated to average 4.5 hours for operators of Class I hazardous wells, 1.5 hours for operators of Class I non-hazardous wells, 3 hours for operators of Class II wells, and 1.5 hours for operators of Class III wells.

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.

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-1.DWG
 Operator Name: CANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.A.L



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 ½ -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 ½ 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

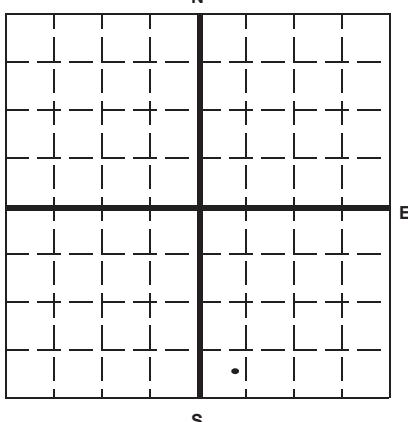
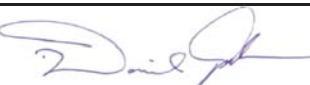
SCALE: AS SHOWN
SEPTEMBER 2014

FIGURE 1



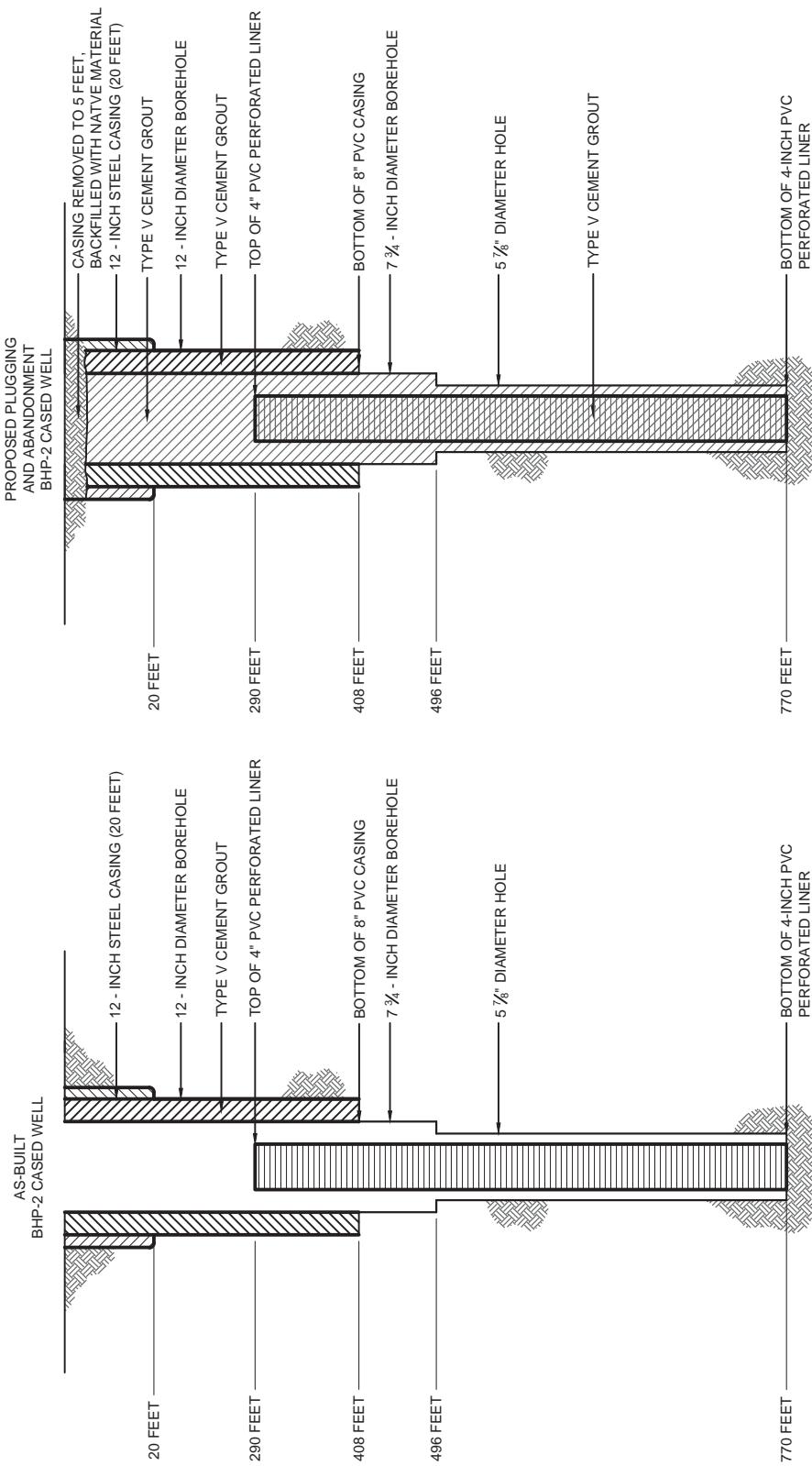
United States Environmental Protection Agency
Washington, DC 20460

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 <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description NE <input type="text" value="1/4 of SW"/> 1/4 of SW <input type="text" value="1/4 of SE"/> 1/4 of SE <input type="text" value="Section 28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/>																										
		Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="335"/> ft. frm (N/S) <input type="text" value="S"/> Line of quarter section and <input type="text" value="485"/> ft. from (E/W) <input type="text" value="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 <input type="text" value="1"/>		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 Lease Name <input type="text" value="NA"/> Well Number <input type="text" value="BHP-2"/>																										
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496	770																											
Estimated Cost to Plug Wells <input type="text" value="\$8,800"/>																												
Certification <p>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)</p>																												
Name and Official Title (Please type or print) <input type="text" value="Dan Johnson, VP Environmental and Technical Services"/>		Signature 		Date Signed <input type="text" value="08/06/2014"/>																								

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-2.DWG
 Operator Name: CANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.A.L



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 LBFI/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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-2 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

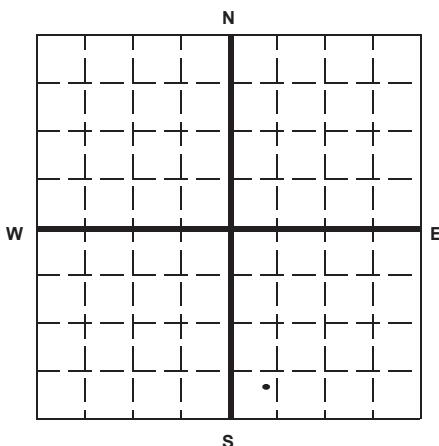
Name and Address of Facility

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 $\frac{1}{4}$ of SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of SE $\frac{1}{4}$ 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

- Individual Permit
 Area Permit
 Rule

Number of Wells

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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
8"		403	403	12.25
1.5"		860	457	5.875

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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:

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

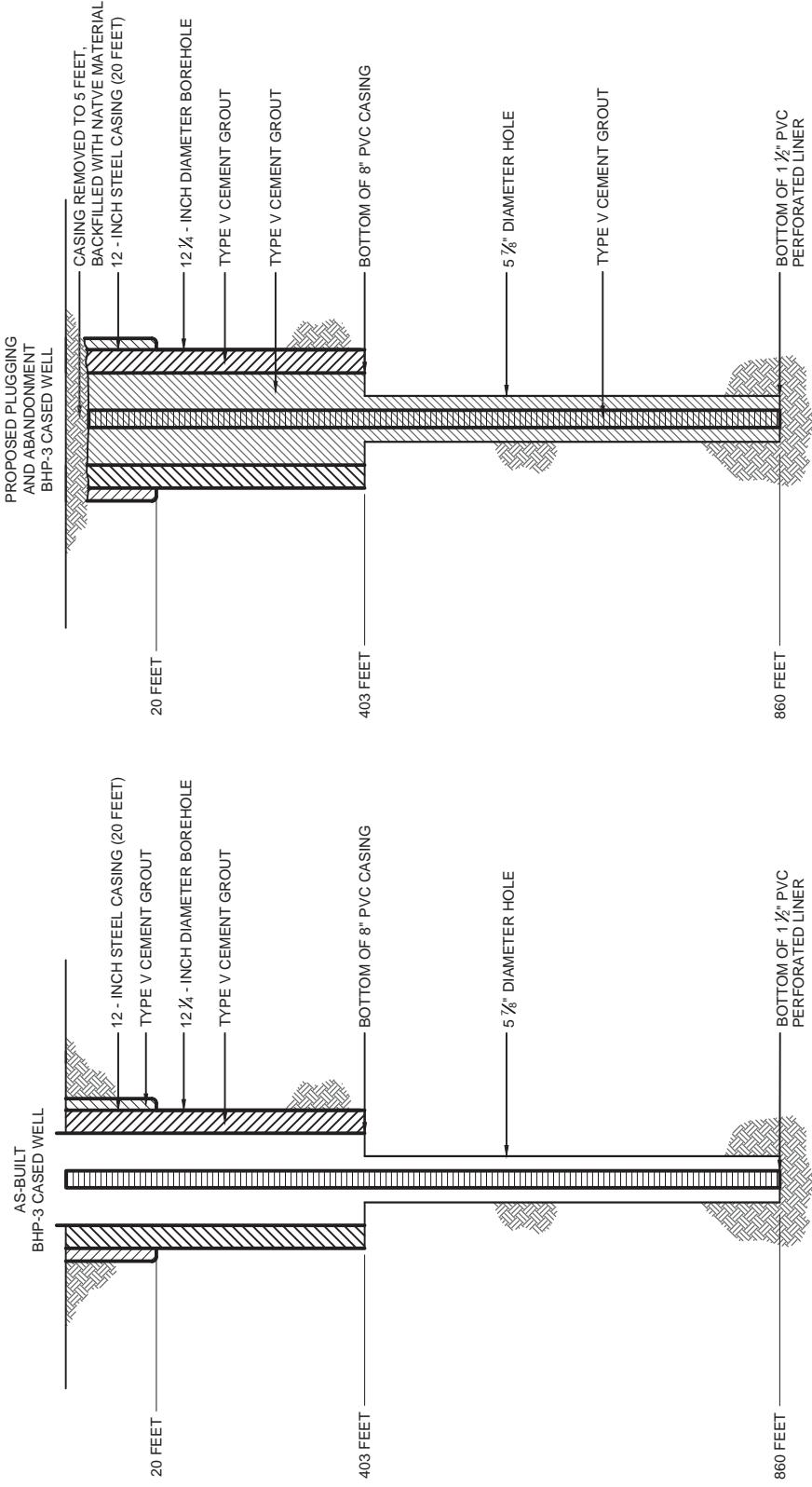
Signature

Date Signed

08/06/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-3.DWG
 Operator Name: CANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.G.L



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 ½ -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/UOxide 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 ½ 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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

HALEY & ALDRICH

WELL BHP-3 SCHEMATIC DIAGRAM

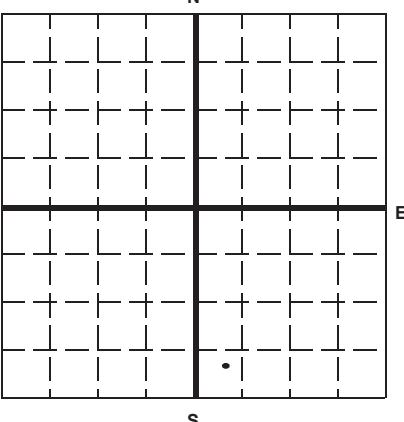
SCALE: AS SHOWN
 JULY 2014

FIGURE 1



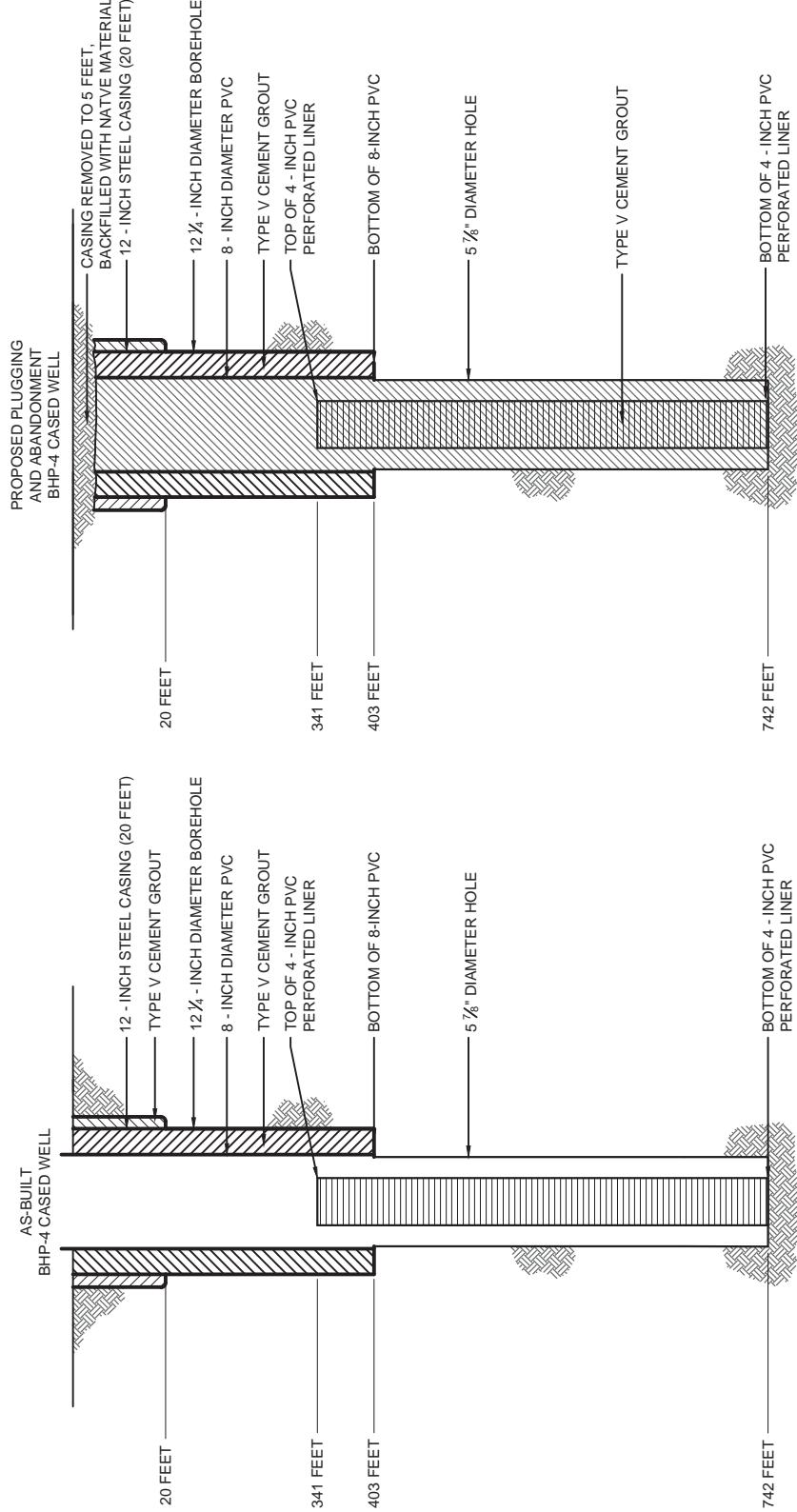
United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

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

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-4.DWG
 Operator Name: ANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA FIG A,L



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 LBFI/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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

HALEY & ALDRICH

WELL BHP-4 SCHEMATIC DIAGRAM

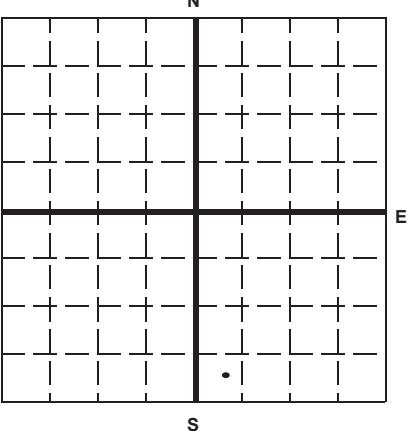
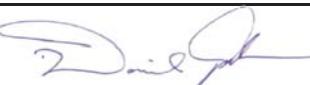
SCALE: AS SHOWN
 JULY 2014

FIGURE 1



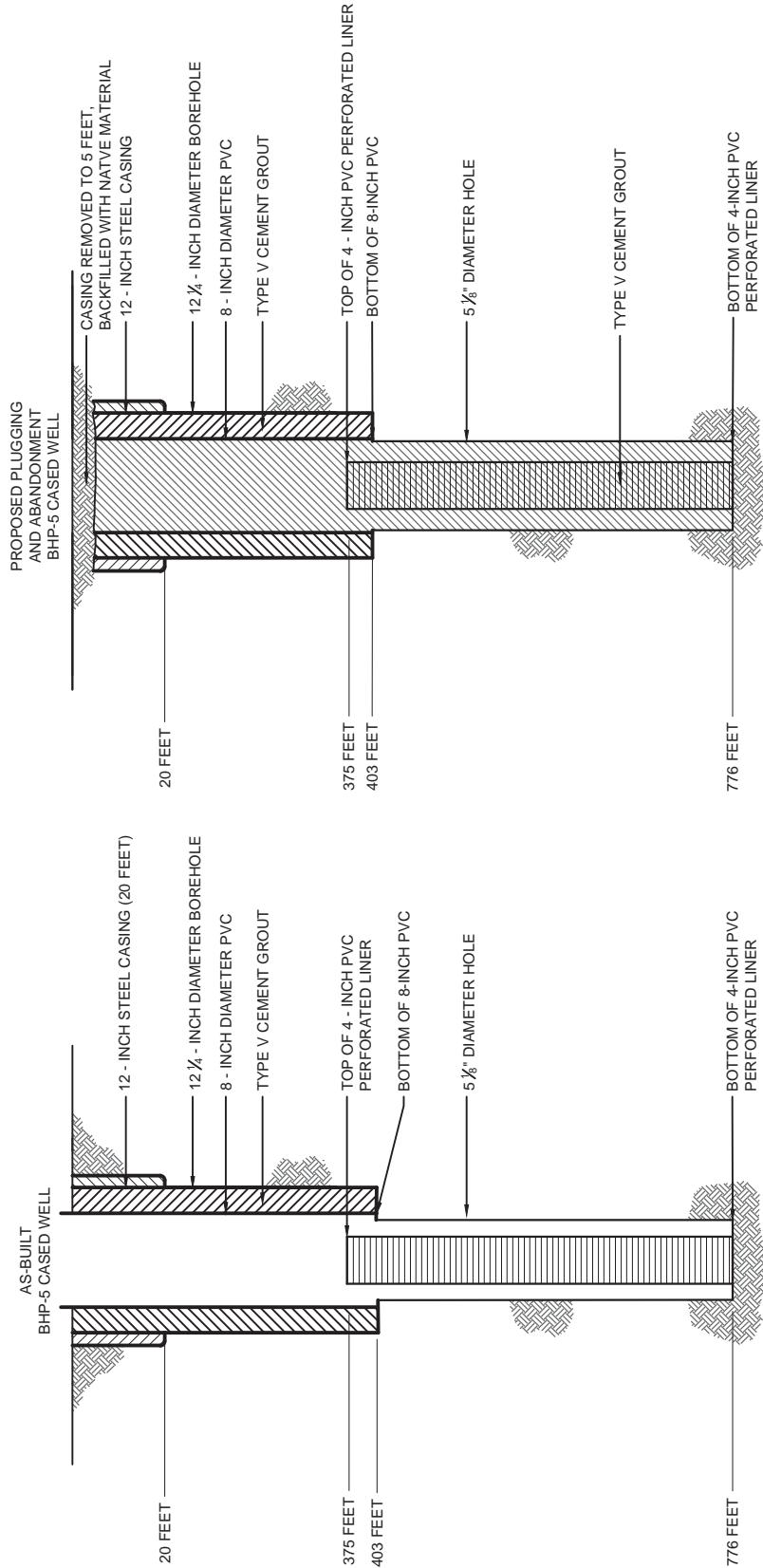
United States Environmental Protection Agency
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 Operator Name: ANDREVA, LAUREN
 Plot Date: August 4, 2014
 Drawing Layout: HA-FIG-A,L



- NOTES:**
1. Well design details are based on BHP records.
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FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-5 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

HALEY & ALDRICH

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

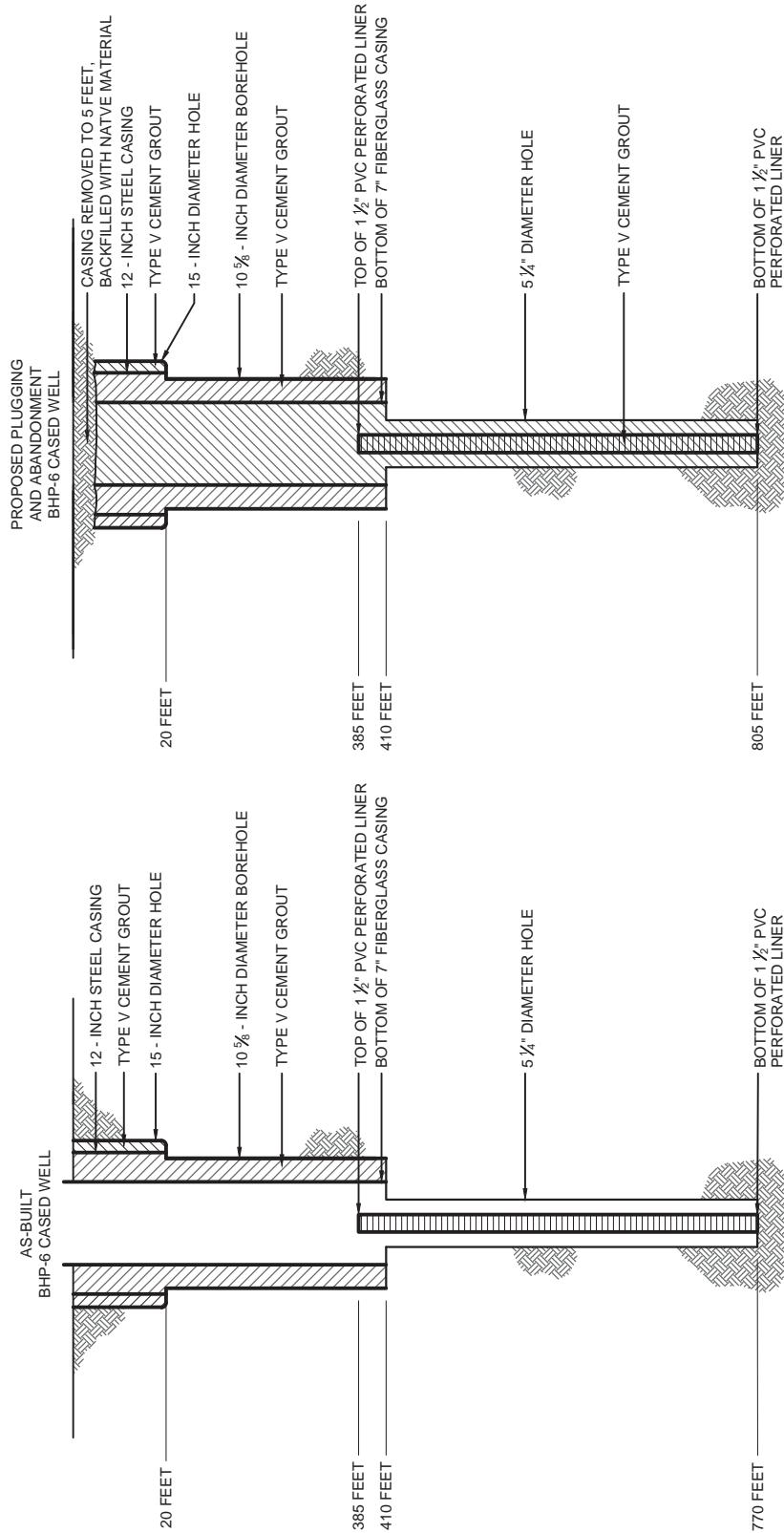
PLUGGING AND ABANDONMENT PLAN

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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Name and Official Title (Please type or print) <input type="text" value="Dan Johnson, VP Environmental and Technical Services"/>		Signature 			Date Signed <input type="text" value="08/06/2014"/>																																																																				

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-6.DWG
 Drawing Layout: HA.FIG.G.L
 Plot Date: August 5, 2014

Operator Name: ANDREVA, LAUREN



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 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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

HALEY & ALDRICH

WELL BHP-6 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

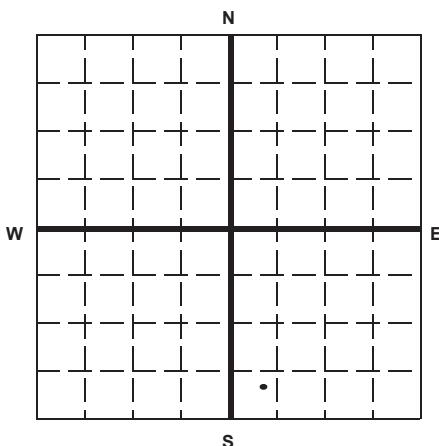
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA
WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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
7"		410	410	10.625
1.5"		360	360	5.25

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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:

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

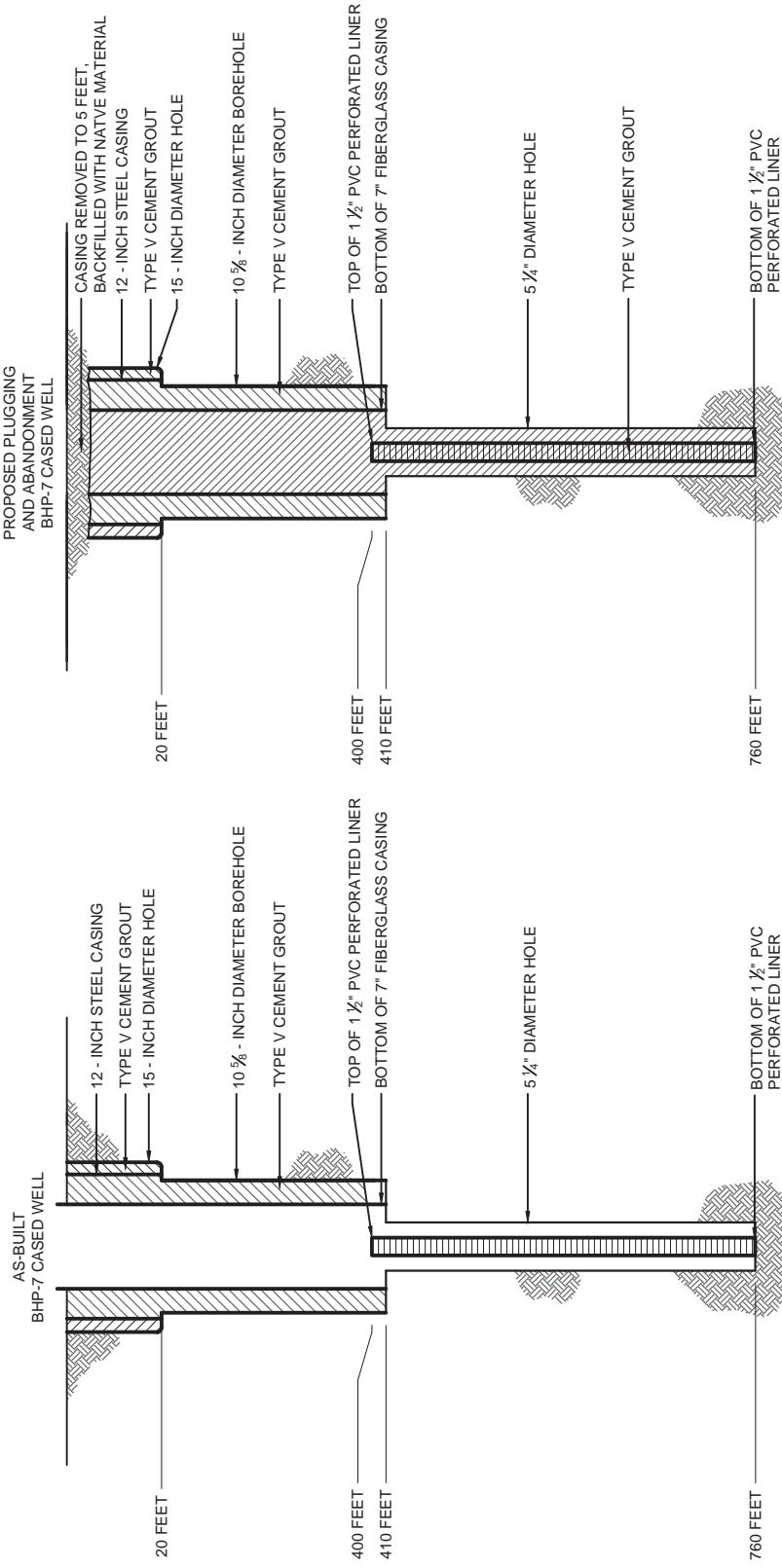
Signature

Date Signed

08/06/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-7.DWG
 Operator Name: CANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.G.L



NOTES:

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HALEY & ALDRICH
 FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-7 SCHEMATIC DIAGRAM

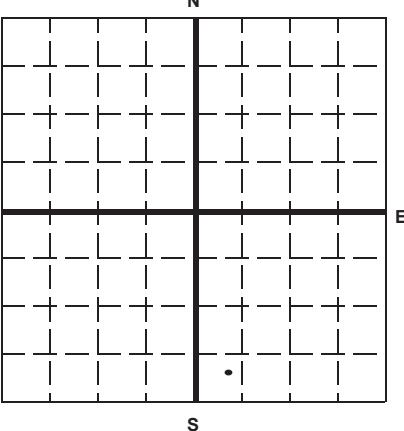
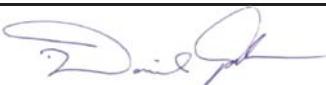
SCALE: AS SHOWN
 JULY 2014

FIGURE 1



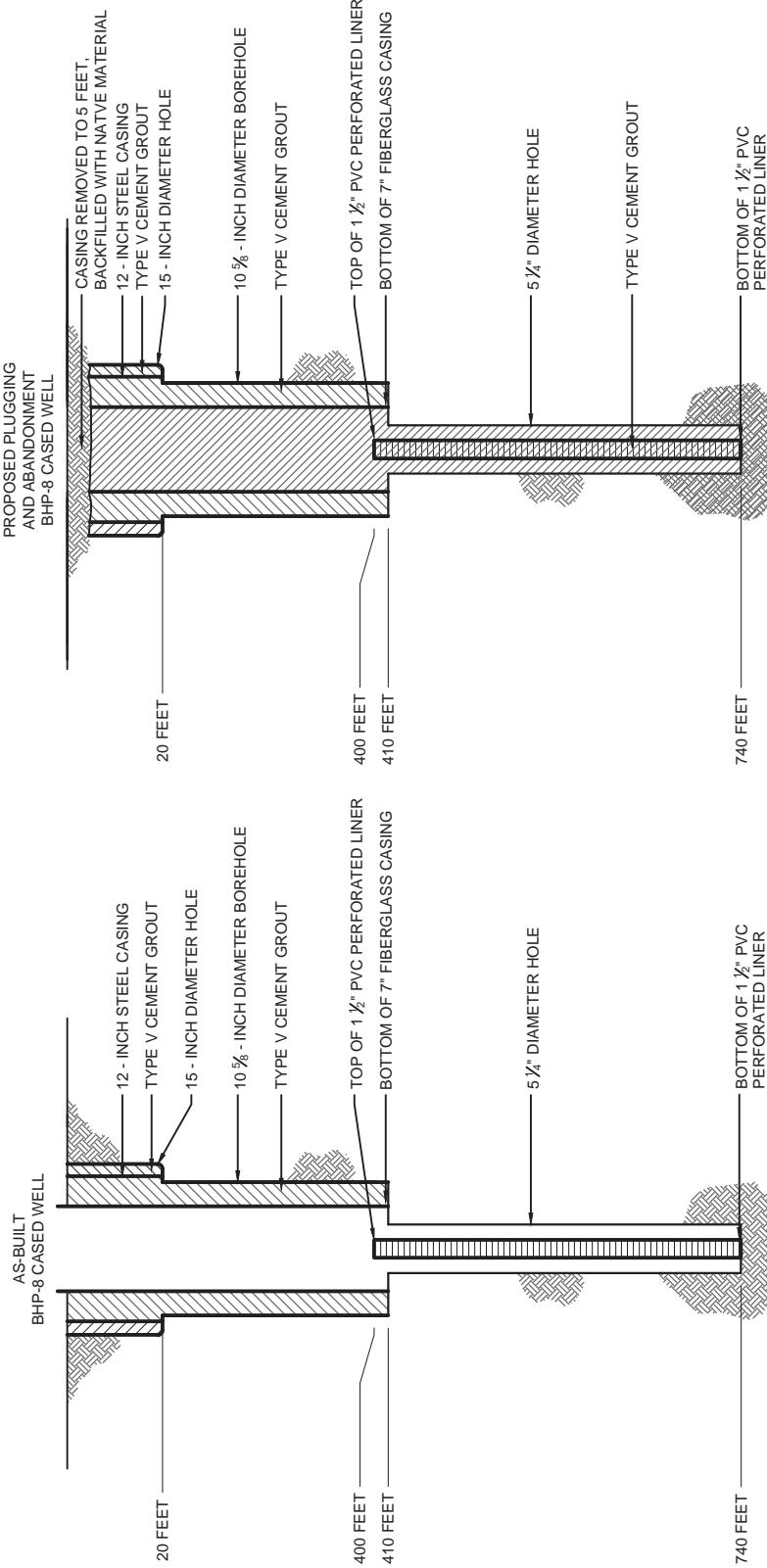
United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

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Locate Well and Outline Unit on Section Plat - 640 Acres 		State Arizona Surface Location Description NE <input type="checkbox"/> SW <input type="checkbox"/> 1/4 of SW <input type="checkbox"/> 1/4 of SE <input type="checkbox"/> 1/4 of Section <input type="checkbox"/> 28 Township <input type="checkbox"/> 4S Range <input type="checkbox"/> 9E	County Pinal Permit Number AZ396000001																									
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Name and Official Title (Please type or print) <input type="checkbox"/> Dan Johnson, VP Environmental and Technical Services		Signature 		Date Signed <input type="checkbox"/> 08/06/2014																								

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-8.DWG
 Operator Name: CANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.A.L



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 ½ -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 ½ 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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

HALEY & ALDRICH

WELL BHP-8 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

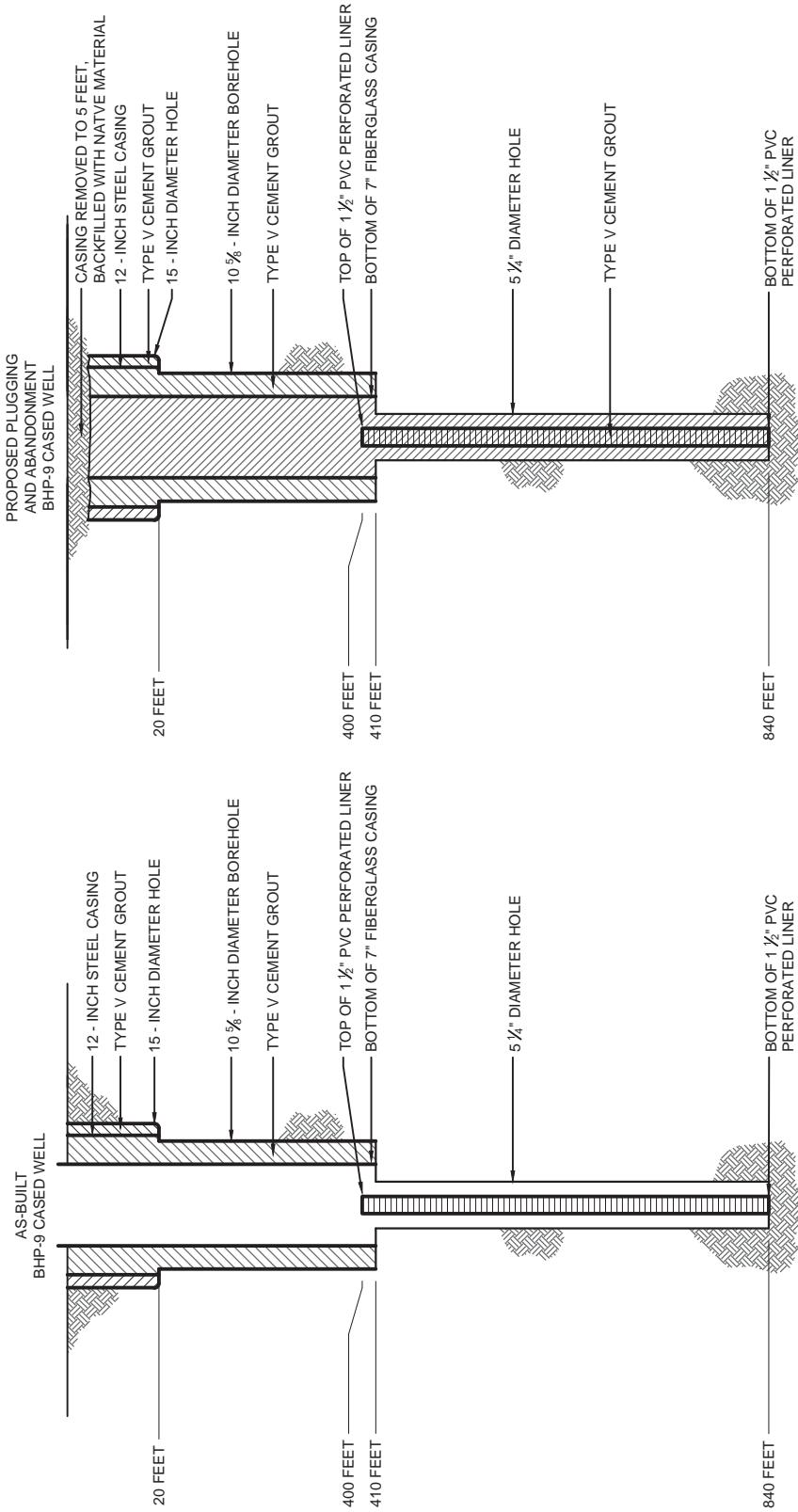
FIGURE 1

United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

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Locate Well and Outline Unit on Section Plat - 640 Acres		State <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description NE <input type="text" value="1/4 of"/> SW <input type="text" value="1/4 of"/> SW <input type="text" value="1/4 of"/> SE <input type="text" value="1/4 of"/> Section <input type="text" value="28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/> Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="335"/> ft. frm (N/S) <input type="text" value="S"/> Line of quarter section and <input type="text" value="435"/> ft. from (E/W) <input type="text" value="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 <input type="text" value="1"/> Lease Name <input type="text" value="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 <input type="text" value="BHP-9"/>						
CASING AND TUBING RECORD AFTER PLUGGING		METHOD OF EMPLACEMENT OF CEMENT PLUGS <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							
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1.5"	unknown	440	440	5.25					
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			<input type="text" value="5.25"/>	<input type="text" value="7"/>					
Depth to Bottom of Tubing or Drill Pipe (ft			<input type="text" value="840"/>	<input type="text" value="410"/>					
Sacks of Cement To Be Used (each plug)			<input type="text" value="51"/>	<input type="text" value="86"/>					
Slurry Volume To Be Pumped (cu. ft.)			<input type="text" value="65"/>	<input type="text" value="110"/>					
Calculated Top of Plug (ft.)			<input type="text" value="410"/>	<input type="text" value="0"/>					
Measured Top of Plug (if tagged ft.)			<input type="text" value="NA"/>	<input type="text" value="NA"/>					
Slurry Wt. (Lb./Gal.)			<input type="text" value="15.4"/>	<input type="text" value="15.4"/>					
Type Cement or Other Material (Class III)			<input type="text" value="Type V"/>	<input type="text" value="Type V"/>					
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)									
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	

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-9.DWG
 Operator Name: CANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.G.L



NOTES:

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FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL BHP-9 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

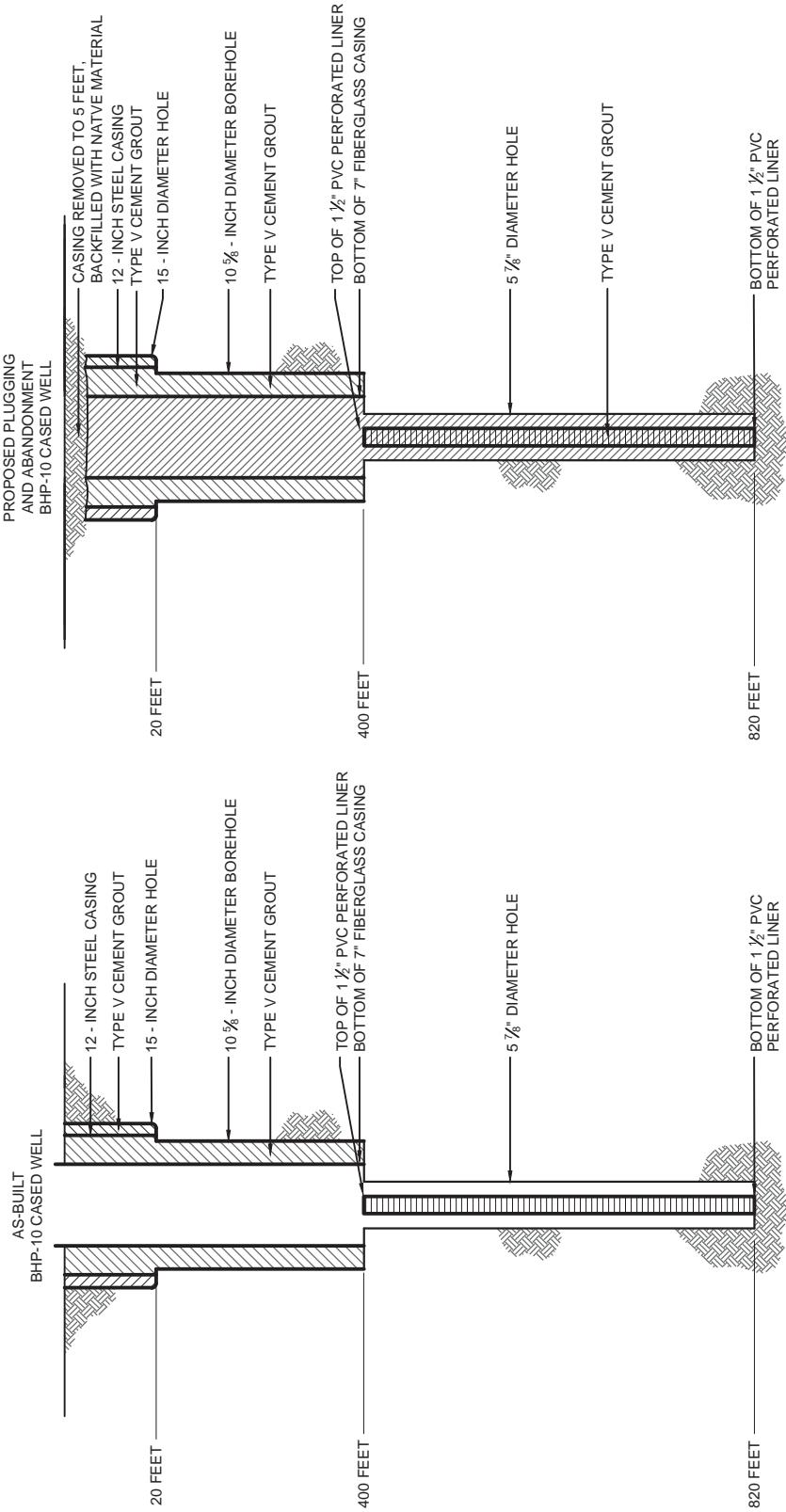
FIGURE 1

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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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services		Signature																																																																									
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Drawing Name: G:\PROJECTS\CURS RESOURCES\38706-CURS FEASIBILITY\DRAWINGS\JULY 2014 UCBAPPBHP WELL SCHEMATICS\BH-10.DWG
Operator Name: CANDREVA, LAUREN Plot Date: August 5, 2014
Drawing Layout: HAF-G-A-L



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 ½ -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 ½ -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.

FLORENCE COPPER INC.
FLORENCE, ARIZONA

WELL BHP-10 SCHEMATIC DIAGRAM

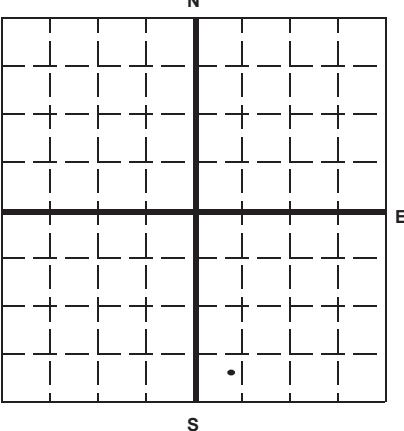
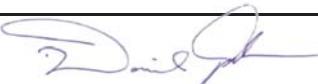
SCALE: AS SHOWN
JULY 2014

FIGURE 1



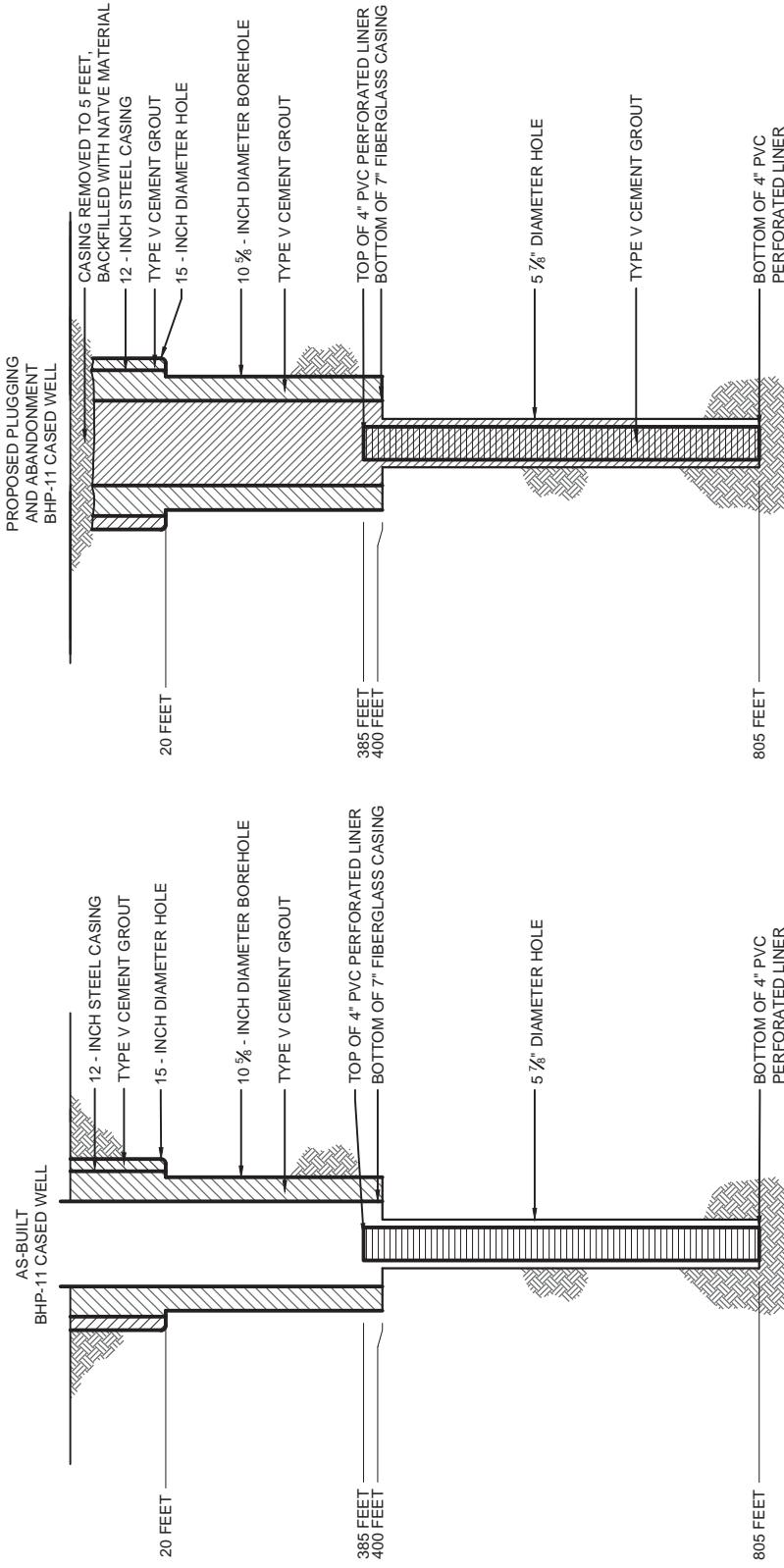
United States Environmental Protection Agency
Washington, DC 20460

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 Surface Location Description NE <input type="checkbox"/> SW <input type="checkbox"/> 1/4 of SW <input type="checkbox"/> 1/4 of SE <input type="checkbox"/> 1/4 of Section <input type="checkbox"/> 28 Township <input type="checkbox"/> 4S Range <input type="checkbox"/> 9E	County Pinal 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																									
		Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="checkbox"/> 490 ft. frm (N/S) <input type="checkbox"/> S Line of quarter section and <input type="checkbox"/> 435 ft. from (E/W) <input type="checkbox"/> W Line of quarter section.	Permit Number AZ396000001 Lease Name NA Well Number BHP-11																									
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services		Signature 	Date Signed 08/06/2014																									

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-11.DWG
 Operator Name: ANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.G.L



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 P/V/C 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

FIGURE 1

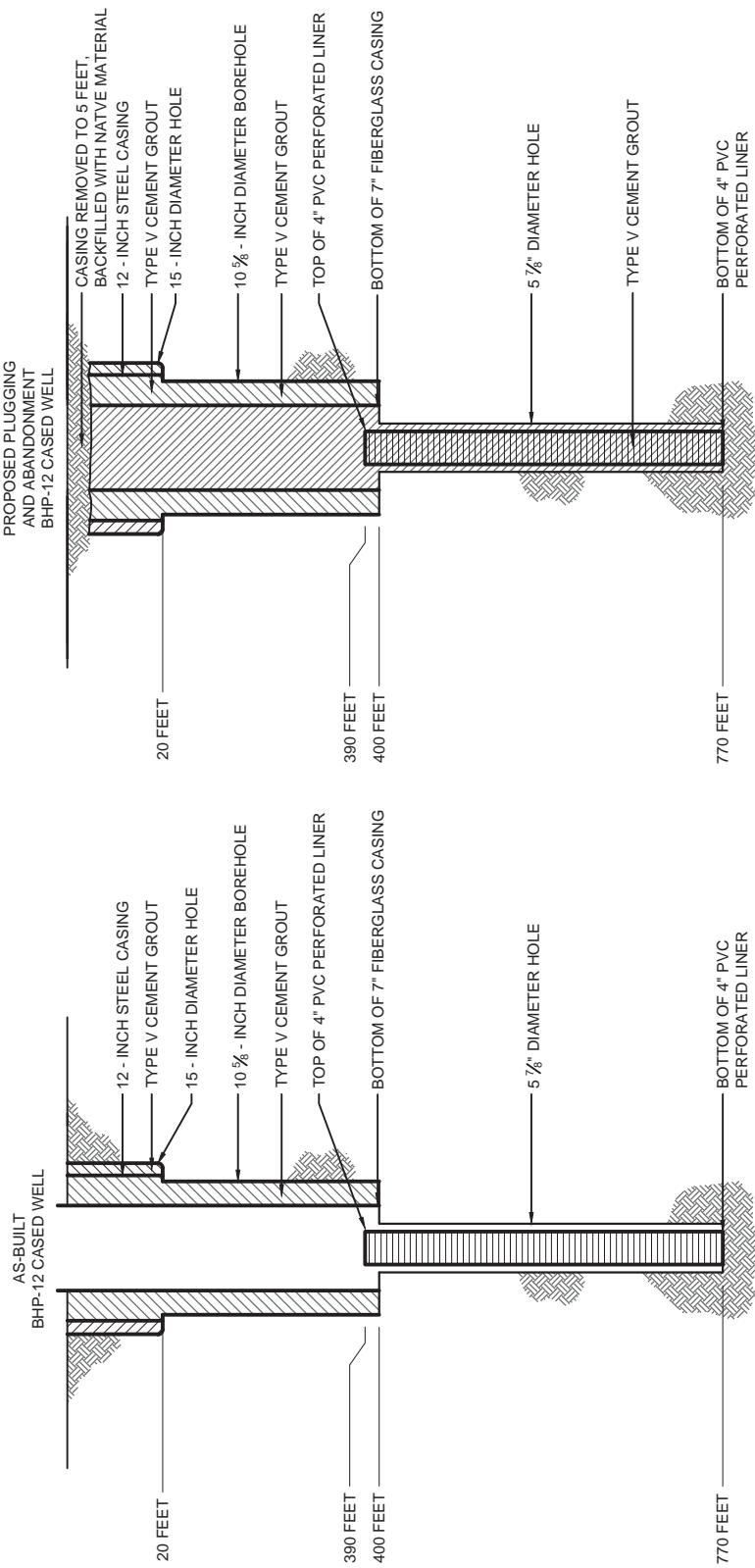
United States Environmental Protection Agency
Washington, DC 20460

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US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-12.DWG
 Operator Name: ANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG-A.L



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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

HALEY & ALDRICH

WELL BHP-12 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

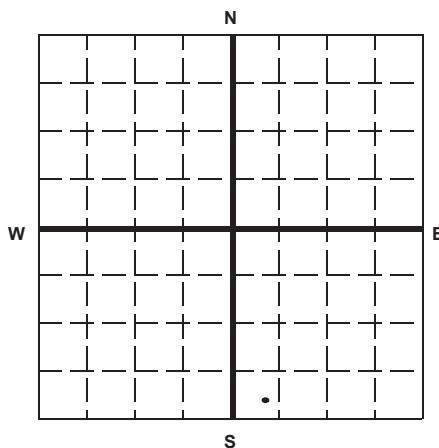
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA
WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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
7"	unknown	420	420	10.625
4"	unknown	440	440	5.25

The Balance Method

The Dump Bailer Method

The Two-Plug Method

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:

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

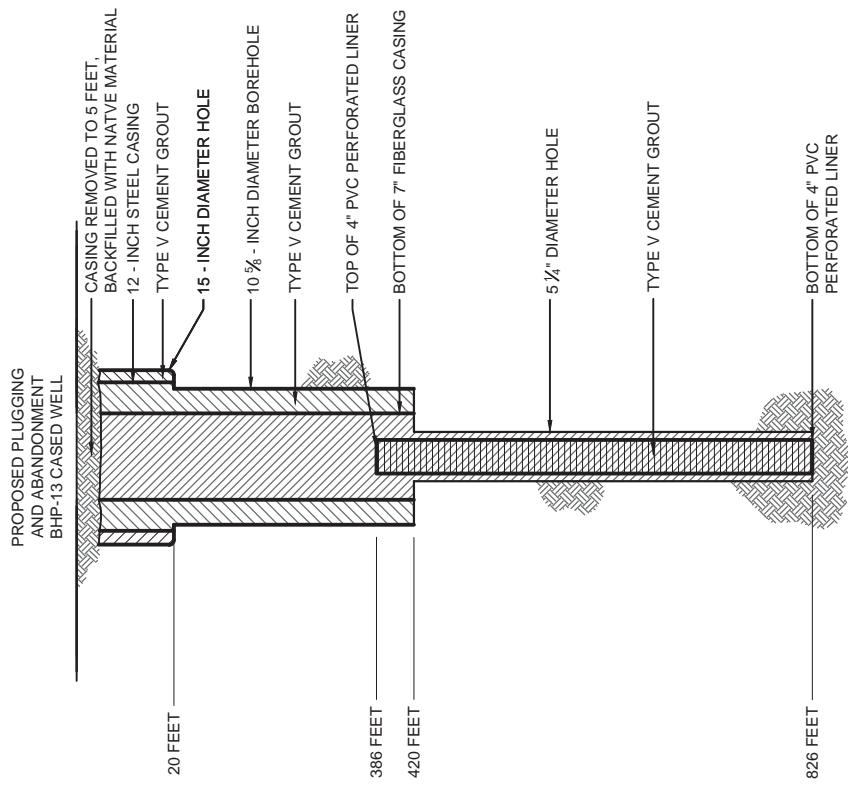
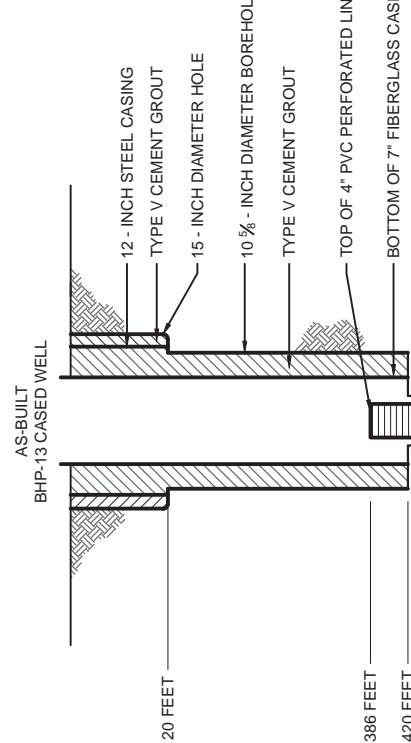
Signature

Date Signed

08/06/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\BHP-13.DWG
 Operator Name: ANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.G.L



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.

FLORENCE COPPER INC.
FLORENCE, ARIZONA

HALEY & ALDRICH

WELL BHP-13 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
JULY 2014

FIGURE 1

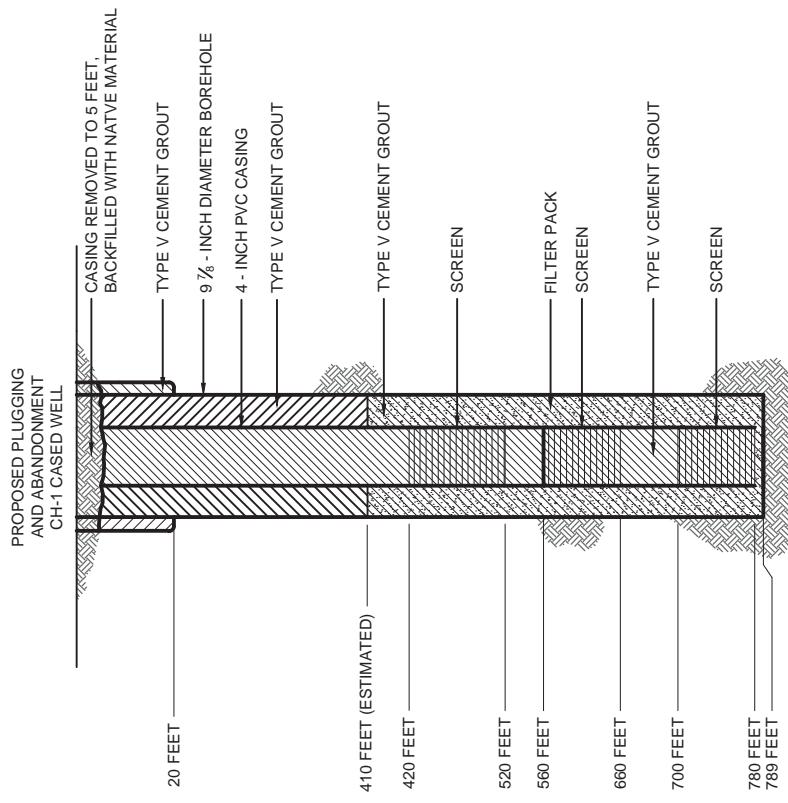
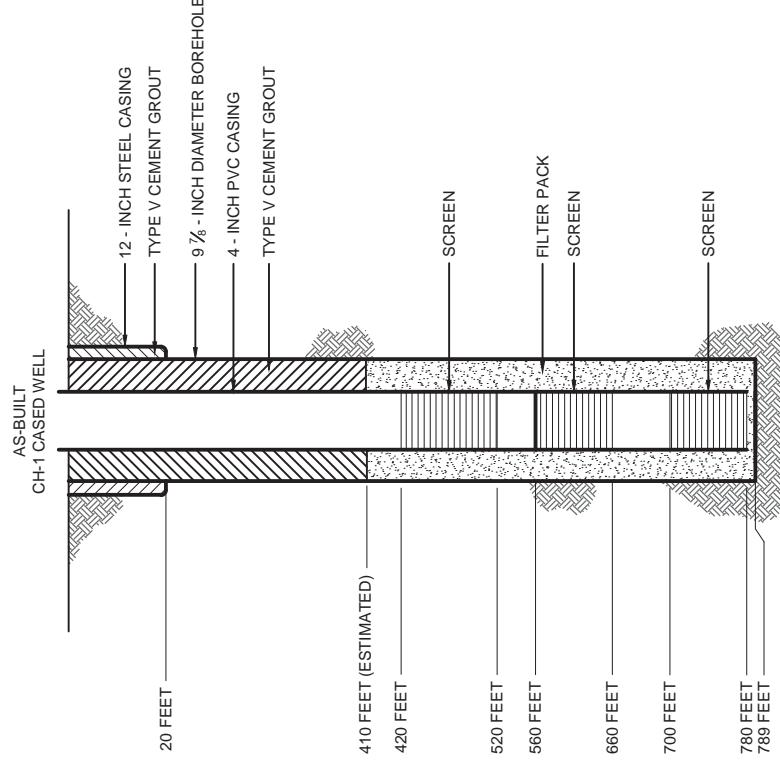
United States Environmental Protection Agency
Washington, DC 20460

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 <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description NE <input type="text" value="1/4 of SW"/> 1/4 of SW <input type="text" value="1/4 of SE"/> 1/4 of Section <input type="text" value="28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/> Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="400"/> ft. frm (N/S) <input type="text" value="S"/> Line of quarter section and <input type="text" value="445"/> ft. from (E/W) <input type="text" value="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 <input type="text" value="1"/> Lease Name <input type="text" value="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 <input type="text" value="CH-1"/>
CASING AND TUBING RECORD AFTER PLUGGING		METHOD OF EMPLACEMENT OF CEMENT PLUGS <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	
SIZE <input type="text" value='12"'/> WT (LB/FT) <input type="text" value="unknown"/> TO BE PUT IN WELL (FT) <input type="text" value="20"/> TO BE LEFT IN WELL (FT) <input type="text" value="20"/> HOLE SIZE <input type="text" value="15"/> 4" <input type="text" value="unknown"/> <input type="text" value="780"/> <input type="text" value="780"/> <input type="text" value="9.875"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			
CEMENTING TO PLUG AND ABANDON DATA: Size of Hole or Pipe in which Plug Will Be Placed (inche: <input type="text" value="4"/> 9.875 Depth to Bottom of Tubing or Drill Pipe (ft) <input type="text" value="410"/> 789 Sacks of Cement To Be Used (each plug) <input type="text" value="28"/> 158 Slurry Volume To Be Pumped (cu. ft.) <input type="text" value="36"/> 202 Calculated Top of Plug (ft.) <input type="text" value="0"/> 410 Measured Top of Plug (if tagged ft.) <input type="text" value="NA"/> NA Slurry Wt. (Lb./Gal.) <input type="text" value="15.4"/> 15.4 Type Cement or Other Material (Class III) <input type="text" value="Type V"/> Type V			
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)			
From <input type="text" value="420"/> To <input type="text" value="520"/> <input type="text" value="560"/> <input type="text" value="660"/> <input type="text" value="700"/> <input type="text" value="780"/> <input type="text"/> <input type="text"/>		From <input type="text"/> To <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	
Estimated Cost to Plug Wells <input type="text" value="\$8,800"/>			
Certification <p>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)</p>			
Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services		Signature	Date Signed <input type="text" value="08/06/2014"/>

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\CH-1.DWG
Operator Name: CANDREVA, LAUREN
Plot Date: August 5, 2014



NOTE
WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

WELL CH-1 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
JULY 2014

FLORENCE COPPER INC.
FLORENCE, ARIZONA

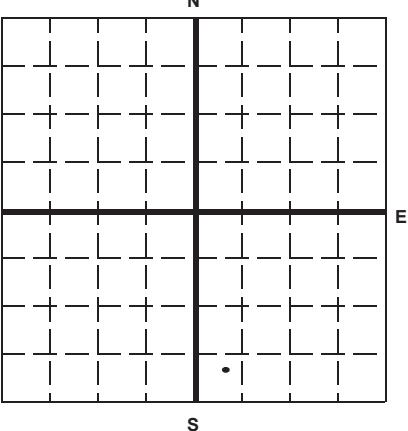
HALEY & ALDRICH

FIGURE 1



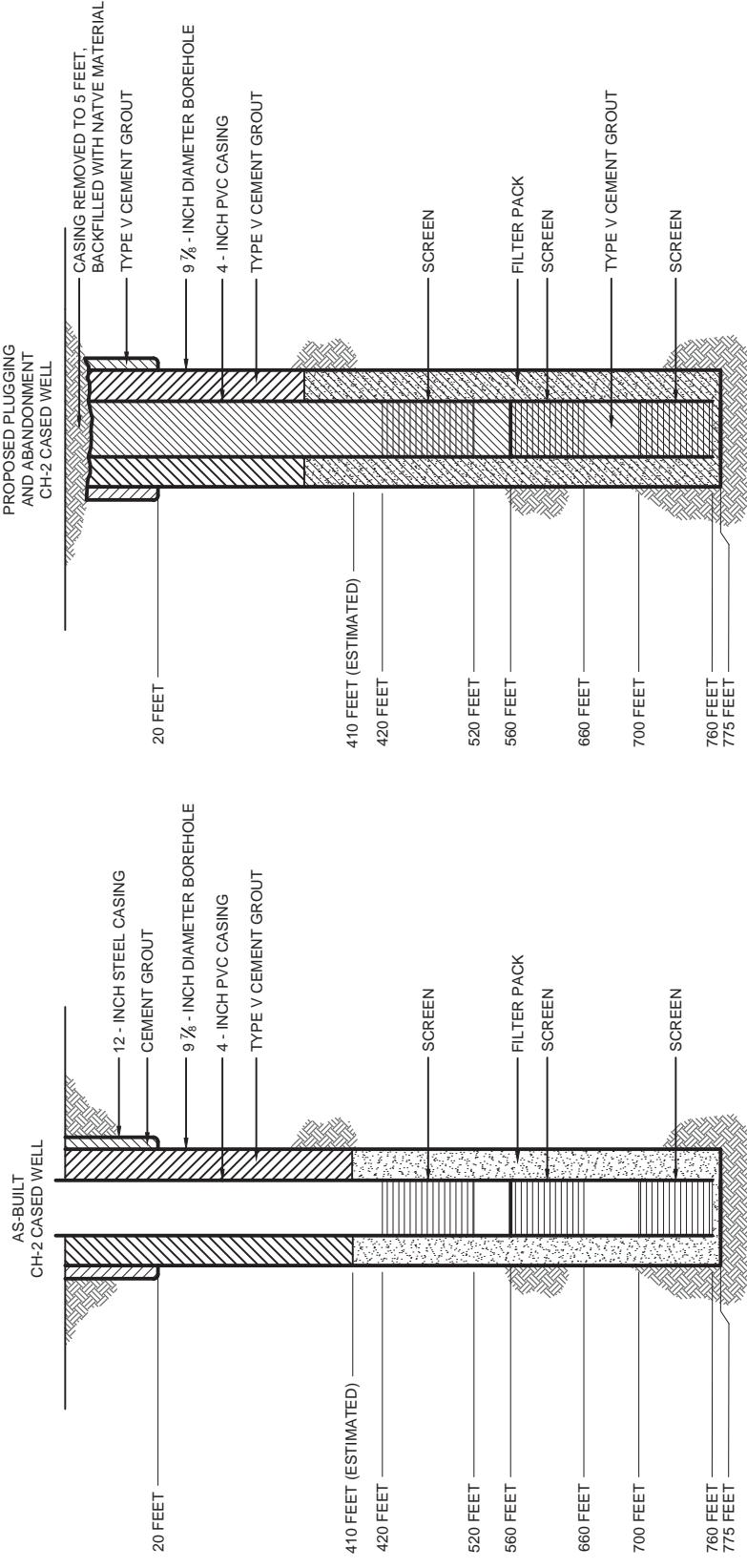
United States Environmental Protection Agency
Washington, DC 20460

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 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SIZE</th> <th>WT (LB/FT)</th> <th>TO BE PUT IN WELL (FT)</th> <th>TO BE LEFT IN WELL (FT)</th> <th>HOLE SIZE</th> </tr> </thead> <tbody> <tr> <td>12"</td> <td>unknown</td> <td>20</td> <td>20</td> <td>15</td> </tr> <tr> <td>4"</td> <td>unknown</td> <td>780</td> <td>780</td> <td>9.875</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	12"	unknown	20	20	15	4"	unknown	780	780	9.875											METHOD OF EMPLACEMENT OF CEMENT PLUGS <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	
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE																								
12"	unknown	20	20	15																								
4"	unknown	780	780	9.875																								
CEMENTING TO PLUG AND ABANDON DATA: 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) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>From</th> <th>To</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>420</td> <td>520</td> <td></td> <td></td> </tr> <tr> <td>560</td> <td>660</td> <td></td> <td></td> </tr> <tr> <td>700</td> <td>760</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						From	To	From	To	420	520			560	660			700	760									
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services		Signature 		Date Signed 08/06/2014																								

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\CH-2.DWG
Operator Name: CANDREVA, LAUREN
Plot Date: August 5, 2014



NOTE
WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.

WELL CH-2 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
JULY 2014

FIGURE 1

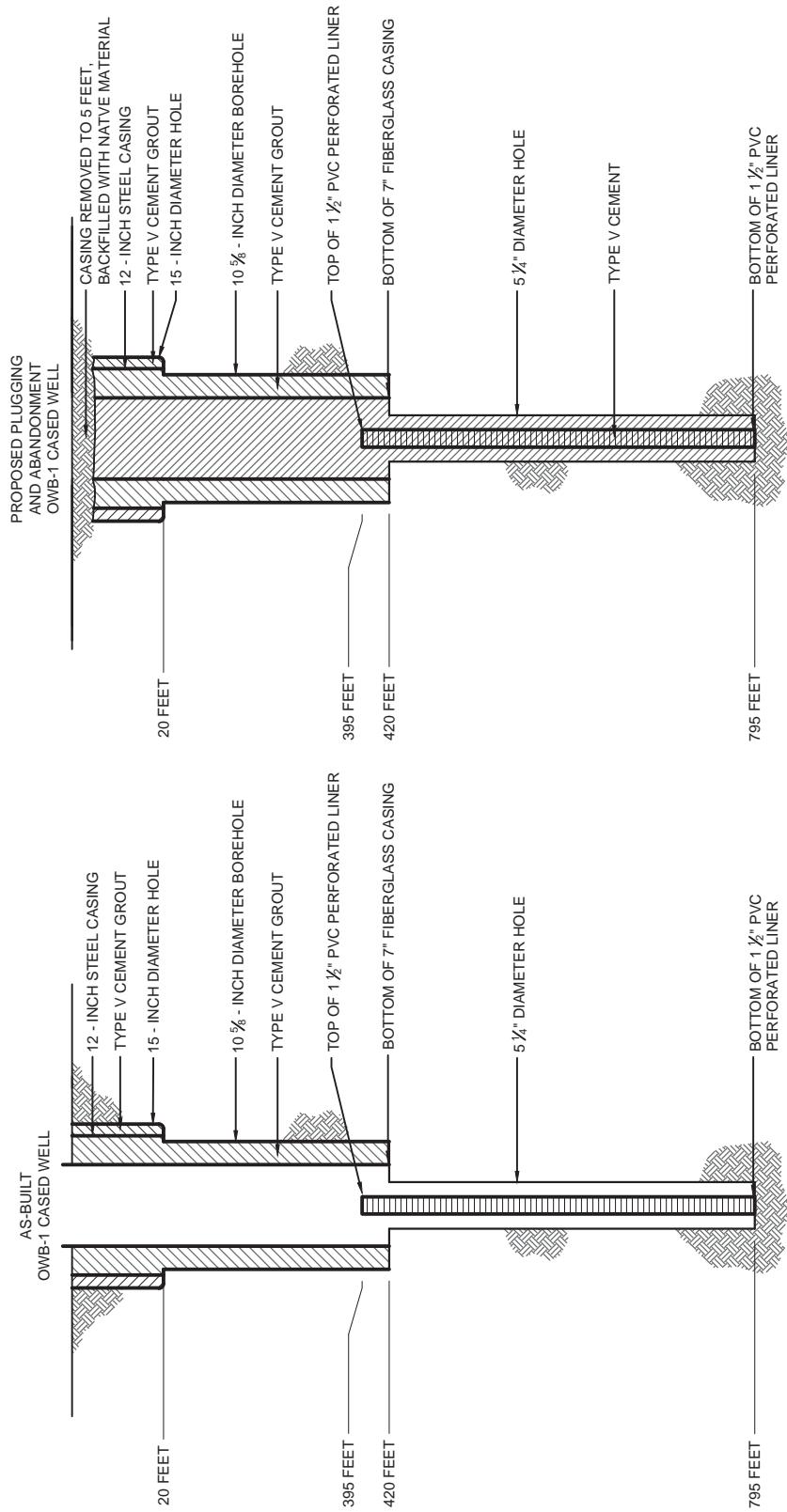
HALEY & ALDRICH
FLORENCE COPPER INC.
FLORENCE, ARIZONA

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 <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description NE <input type="text" value="1/4 of"/> SW <input type="text" value="1/4 of"/> SW <input type="text" value="1/4 of"/> SE <input type="text" value="1/4 of"/> Section <input type="text" value="28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/> Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="435"/> ft. frm (N/S) <input type="text" value="S"/> Line of quarter section and <input type="text" value="535"/> ft. from (E/W) <input type="text" value="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 <input type="text" value="1"/> Lease Name <input type="text" value="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 <input type="text" value="OWB-1"/>																									
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7"	unknown	420	420	10.625																								
1.5"	unknown	400	400	5.25																								
CEMENTING TO PLUG AND ABANDON DATA: Size of Hole or Pipe in which Plug Will Be Placed (inche: <input type="text" value="5.25"/>) Depth to Bottom of Tubing or Drill Pipe (ft) <input type="text" value="795"/> 420 Sacks of Cement To Be Used (each plug) <input type="text" value="44"/> 88 Slurry Volume To Be Pumped (cu. ft.) <input type="text" value="56"/> 112 Calculated Top of Plug (ft.) <input type="text" value="420"/> 0 Measured Top of Plug (if tagged ft.) <input type="text" value="NA"/> NA Slurry Wt. (Lb./Gal.) <input type="text" value="15.4"/> 15.4 Type Cement or Other Material (Class III) <input type="text" value="Type V"/> Type V		PLUG #1 <input type="text" value="7"/> PLUG #2 <input type="text" value="420"/> PLUG #3 <input type="text" value="44"/> PLUG #4 <input type="text" value="88"/> PLUG #5 <input type="text" value="56"/> PLUG #6 <input type="text" value="112"/> PLUG #7 <input type="text" value="420"/>																										
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Estimated Cost to Plug Wells <input type="text" value="\$8,800"/>																												
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Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services		Signature	Date Signed <input type="text" value="08/06/2014"/>																									

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UC APP\BHP WELL SCHEMATICS\W1.DWG
Operator Name: CANDREVA, LAUREN Plot Date: August 5, 2014
Drawing Layout: HAF-G-A-L



NOTES.

1. Well design details are based on BHP records.
 2. Each of the BHP test wells includes an unsupporting bottom of the bore hole. The liners are perforated at the bottom of the bore hole. The liners are reported to be 4-inch or 1½ -inch cement, or other annular materials. The liners do not extend to the total depth of each bore hole. The liners do not have 4-inch perforated PVC liners, the tremie pipe has to be used as practicable. In BHP wells that have 1½ -inch liner, the liner extends to the bottom of the bore hole as a point as close to the bottom of the bore hole.

FLORENCE COPPER INC.
FLORENCE, ARIZONA

WEI | OWB-1 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
JULY 2014

FIGURE 1

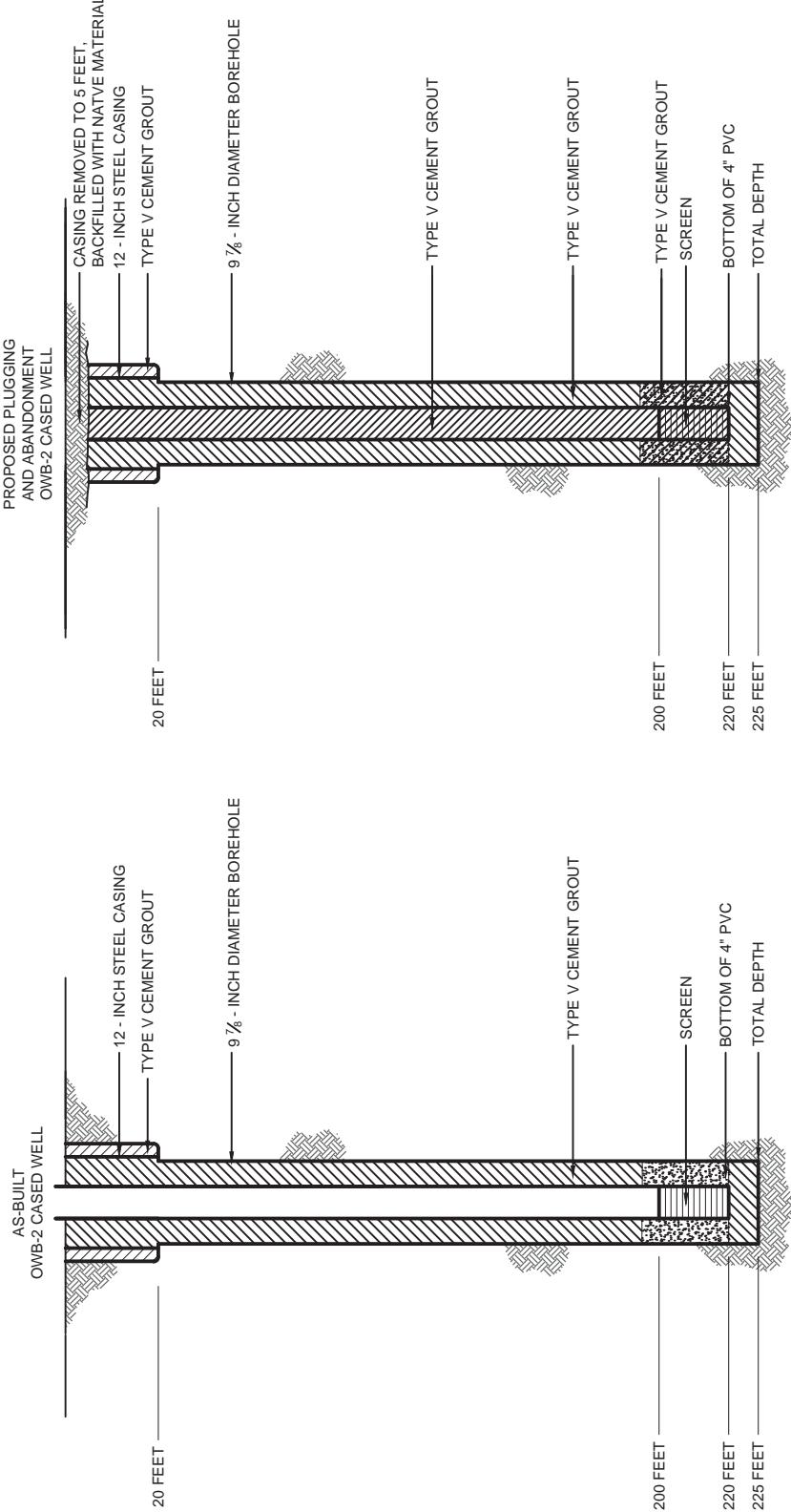
United States Environmental Protection Agency
Washington, DC 20460

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 <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description NE <input type="text" value="1/4 of"/> SW <input type="text" value="1/4 of"/> SW <input type="text" value="1/4 of"/> SE <input type="text" value="1/4 of"/> Section <input type="text" value="28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/> Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="490"/> ft. frm (N/S) <input type="text" value="S"/> Line of quarter section and <input type="text" value="385"/> ft. from (E/W) <input type="text" value="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 <input type="text" value="1"/> Lease Name <input type="text" value="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 <input type="text" value="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	<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				
12"	unknown	20	20	15					
4"	unknown	220	220	9.25					
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			<input type="text" value="4"/>	<input type="text" value="9.875"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Depth to Bottom of Tubing or Drill Pipe (ft			<input type="text" value="200"/>	<input type="text" value="220"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sacks of Cement To Be Used (each plug)			<input type="text" value="14"/>	<input type="text" value="8"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Slurry Volume To Be Pumped (cu. ft.)			<input type="text" value="17"/>	<input type="text" value="11"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Calculated Top of Plug (ft.)			<input type="text" value="0"/>	<input type="text" value="200"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Measured Top of Plug (if tagged ft.)			<input type="text" value="NA"/>	<input type="text" value="NA"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Slurry Wt. (Lb./Gal.)			<input type="text" value="15.4"/>	<input type="text" value="15.4"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Type Cement or Other Material (Class III)			<input type="text" value="Type V"/>	<input type="text" value="Type 5"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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									
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Name and Official Title (Please type or print)		Signature		Date Signed					
Dan Johnson, VP Environmental and Technical Services				08/06/2014					

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\OWB-2.DWG
 Operator Name: ANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA FIG A,L



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 LBFO/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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

HALEY & ALDRICH

WELL OWB-2 SCHEMATIC DIAGRAM

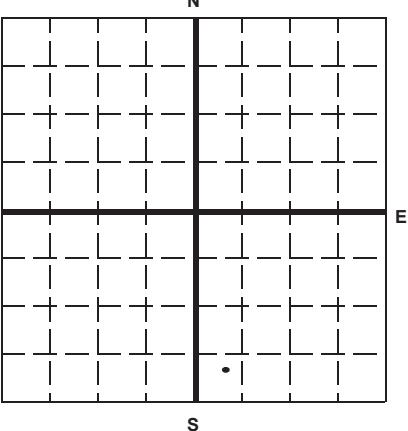
SCALE: AS SHOWN
 JULY 2014

FIGURE 1



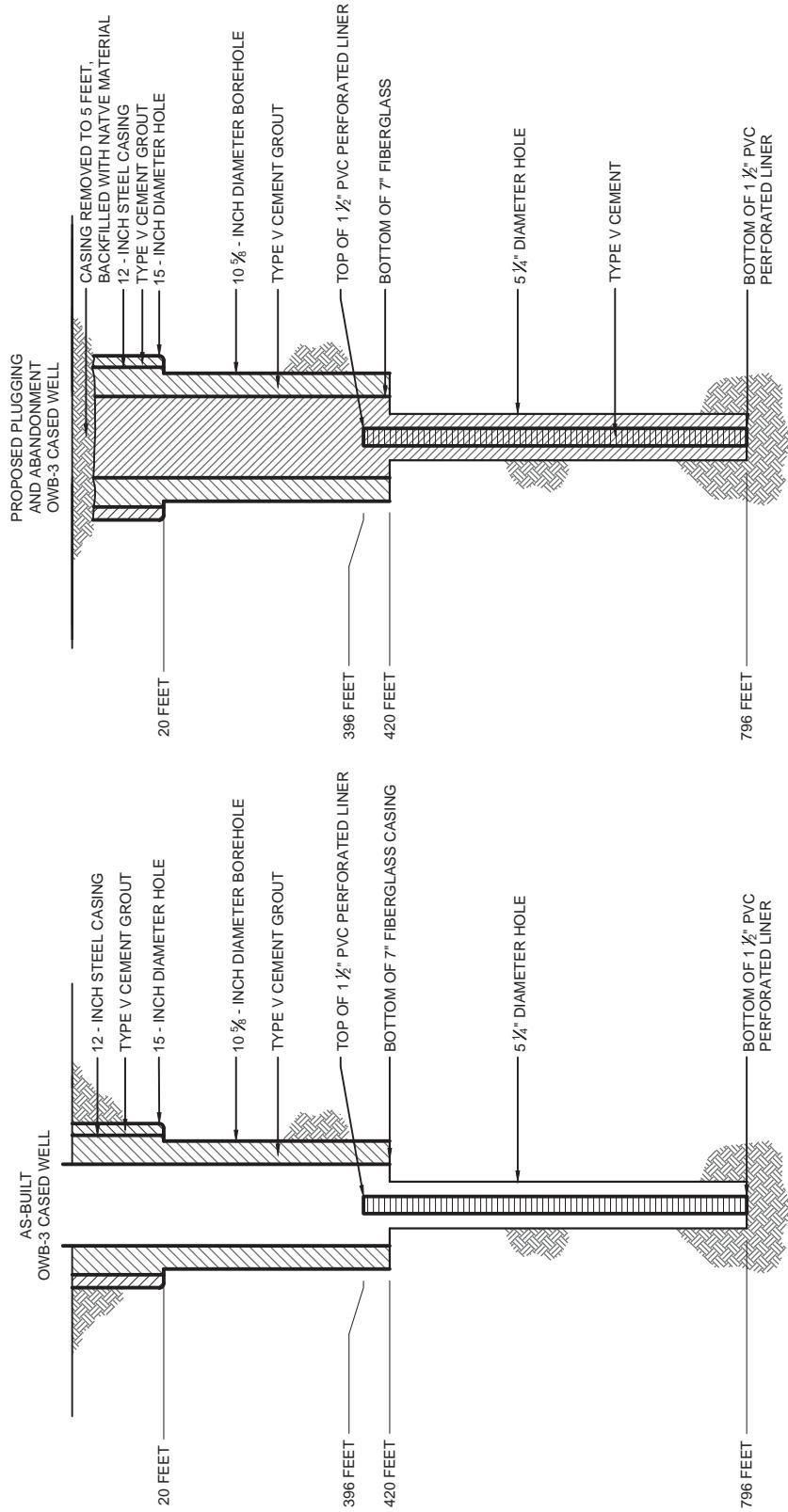
United States Environmental Protection Agency
Washington, DC 20460

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		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 Lease Name NA Well Number OWB-3																										
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CEMENTING TO PLUG AND ABANDON DATA: Size of Hole or Pipe in which Plug Will Be Placed (inches) 5.25 Plug #1 7 Depth to Bottom of Tubing or Drill Pipe (ft) 796 Plug #2 420 Sacks of Cement To Be Used (each plug) 44 Plug #3 Slurry Volume To Be Pumped (cu. ft.) 57 Plug #4 Calculated Top of Plug (ft.) 420 Plug #5 Measured Top of Plug (if tagged ft.) NA Plug #6 Slurry Wt. (Lb./Gal.) 15.4 Plug #7 Type Cement or Other Material (Class III) Type V																												
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)																												
From 420 To 796		From To																										
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																										

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\OWB-3.DWG
 Operator Name: ANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.G.L



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 LBFO/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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

WELL OWB-3 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

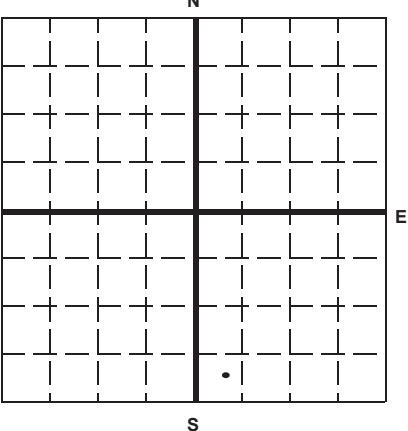
HALEY & ALDRICH

FIGURE 1



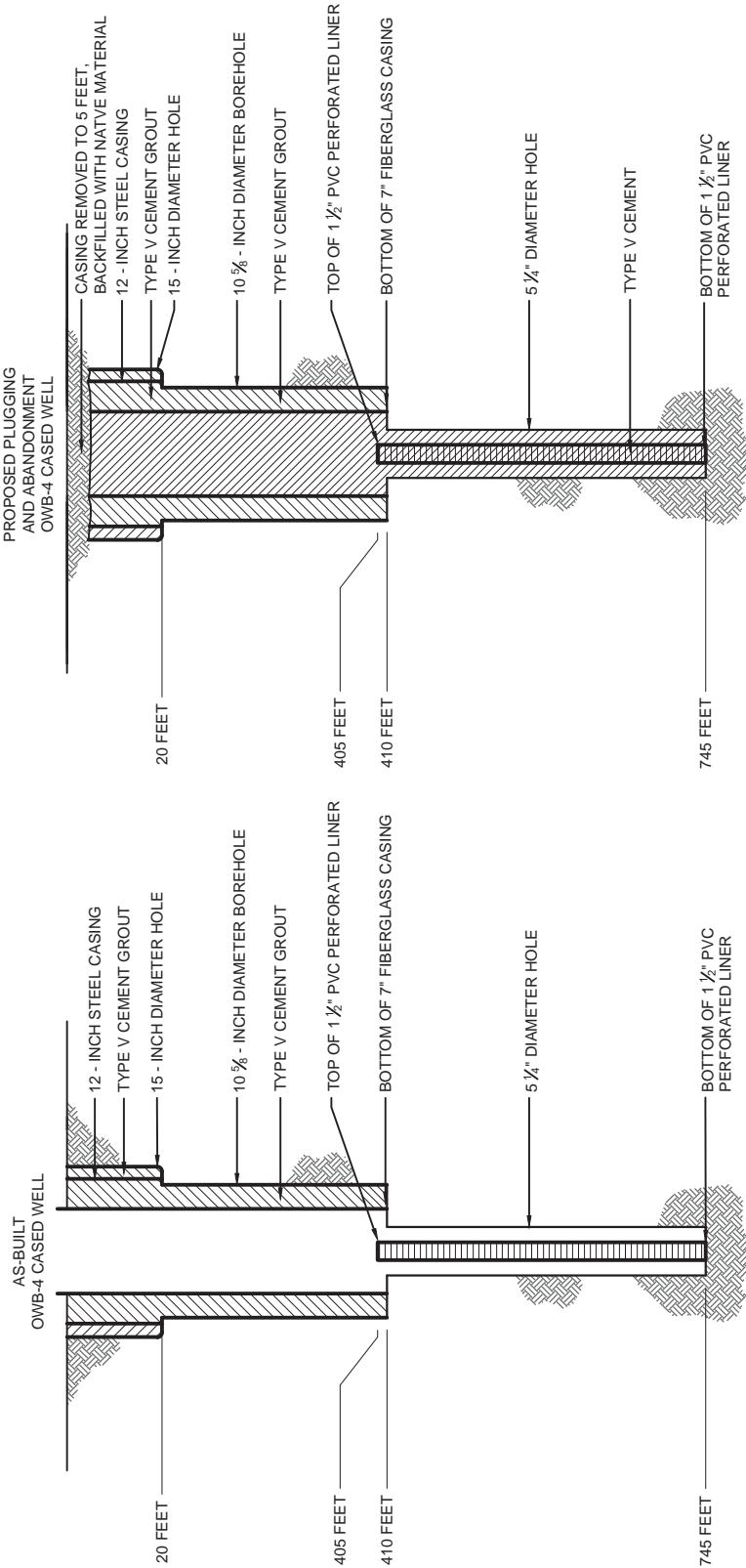
United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

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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																										
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US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\OWB-4.DWG
 Operator Name: ANDREVA, LAUREN
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.A.L



NOTE S:

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.

FLORENCE COPPER INC.
 FLORENCE, ARIZONA

HALEY & ALDRICH

WELL OWB-4 SCHEMATIC DIAGRAM

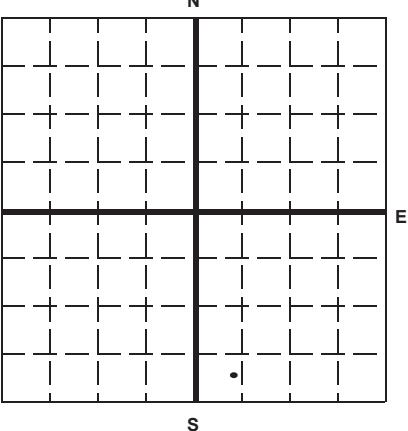
SCALE: AS SHOWN
 JULY 2014

FIGURE 1



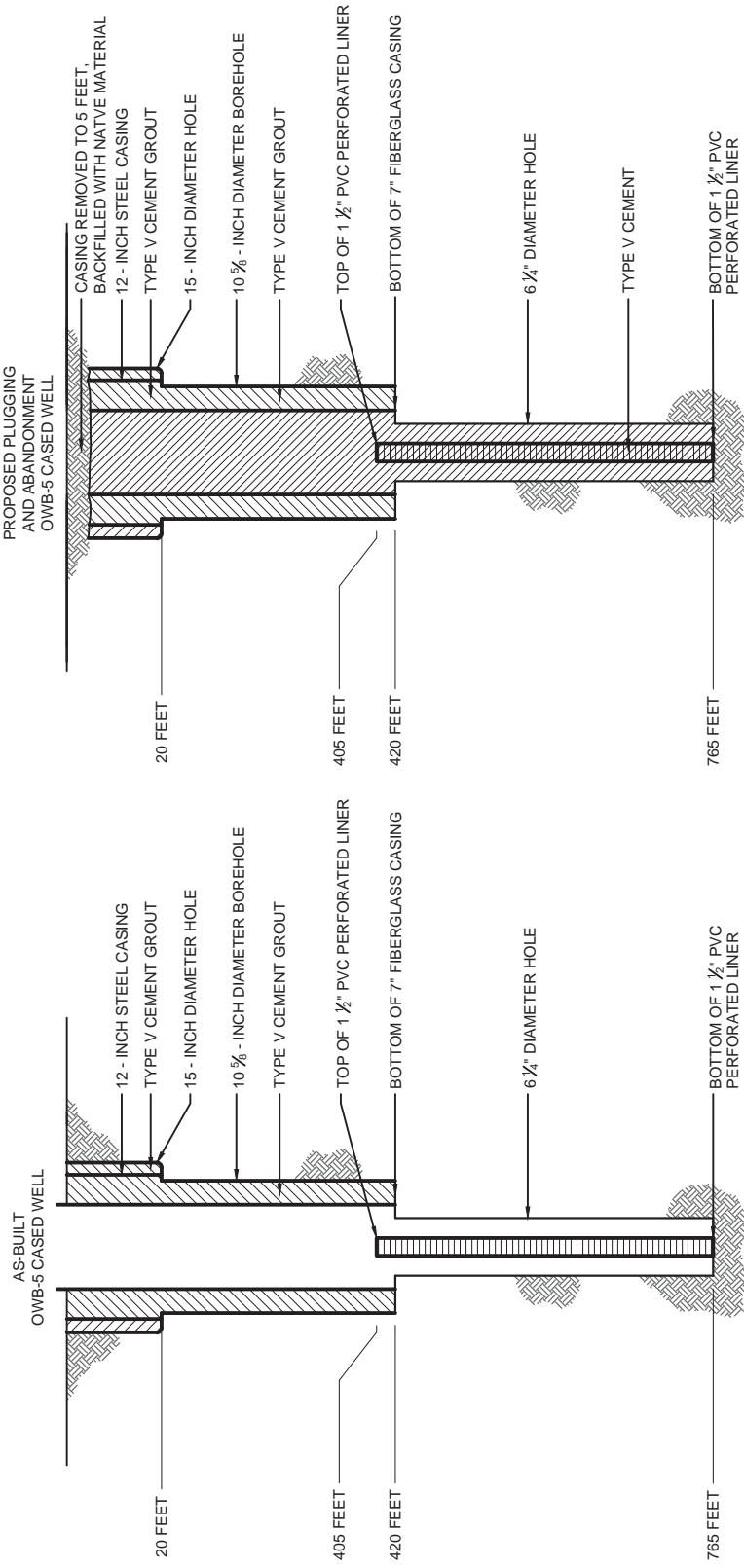
United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

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

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY DRAWINGS\JULY 2014 UIC APP\BHP WELL SCHEMATICS\OWB-5.DWG
 Plot Date: August 5, 2014
 Drawing Layout: HA.FIG.A.L
 Operator Name: ANDREVA, LAUREN



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 1½-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 LBFI/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 1½ 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 OWB-5 SCHEMATIC DIAGRAM

SCALE: AS SHOWN
 JULY 2014

FIGURE 1

PTF AOR WELLS



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

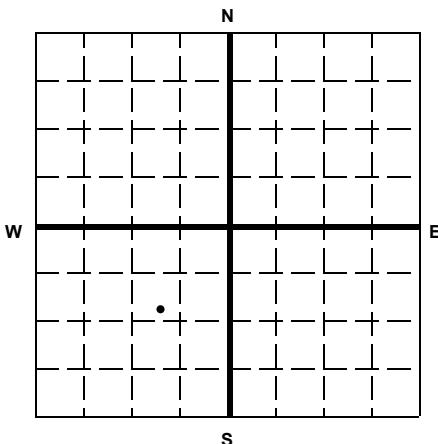
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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
2.5	unknown	950	550	4.38

- The Balance Method

- The Dump Bailer Method

- The Two-Plug Method

- 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:

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

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

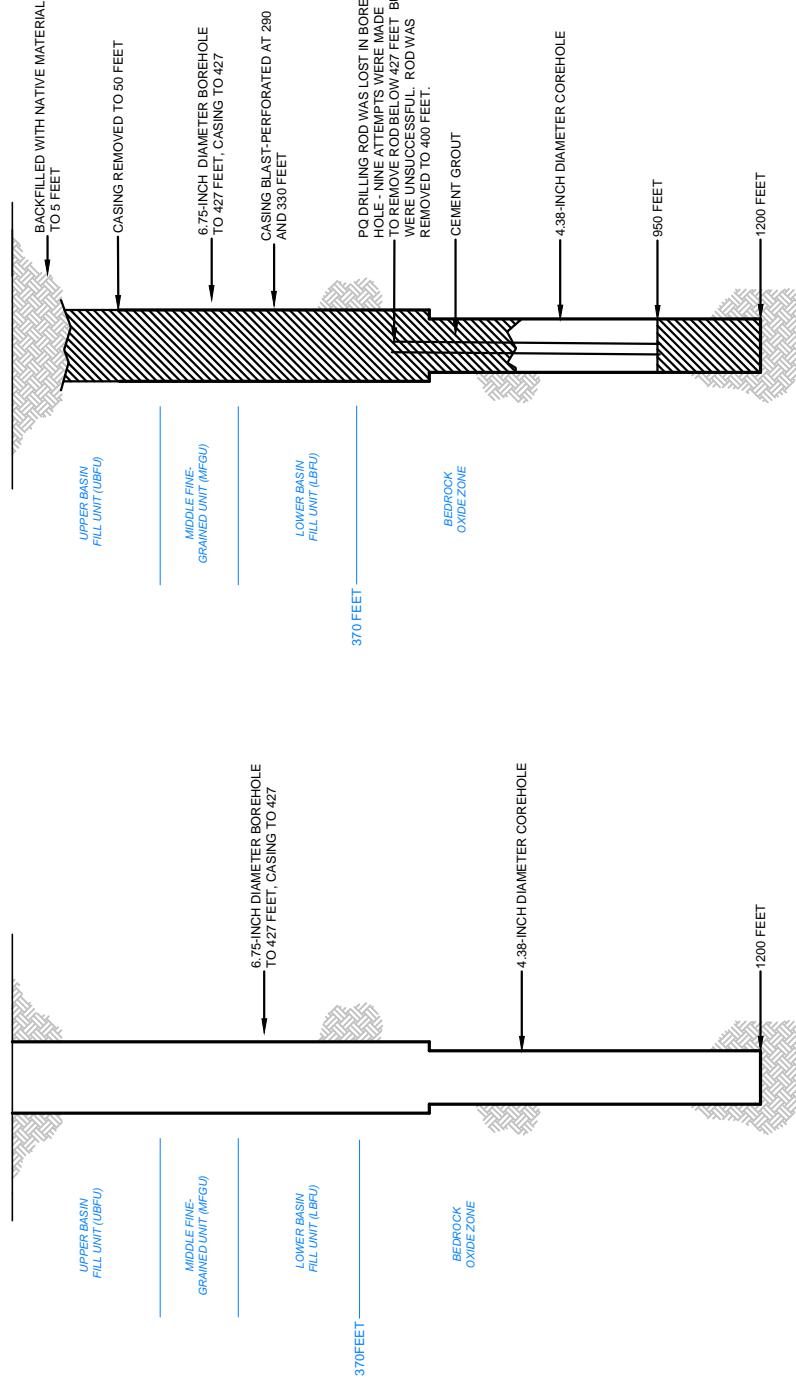
Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

AS-BUILT CMP11-05 CORE HOLE

PROPOSED PLUGGING AND ABANDONMENT CMP11-05 CORE HOLE



GP PROJECTS CURES RESOURCES 38706-CURS FEASIBILITY DRAWINGS/EPA WELLABANDON/CMP11-05_ABANDON.DWG

FLORENCE COPPER INC.
FLORENCE, ARIZONA

CMP11-05 COREHOLE DIAGRAM

FLORENCE COPPER INC. SCALE NOT TO SCALE
SEPTEMBER 2014

FIGURE 1

HARVEY &
ALDRICH



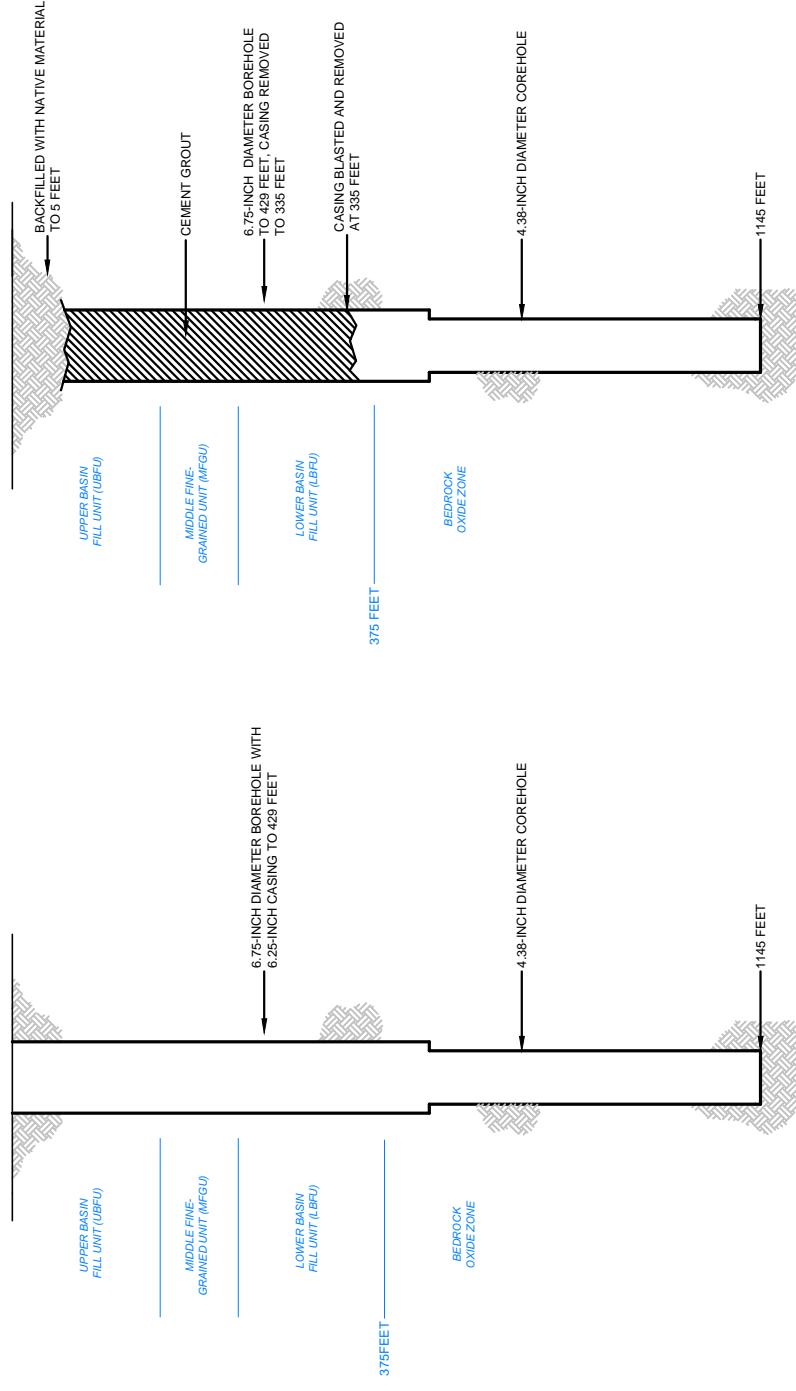
United States Environmental Protection Agency
Washington, DC 20460

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Locate Well and Outline Unit on Section Plat - 640 Acres 		State Arizona 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	County Pinal Permit Number AZ396000001																									
		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 <table border="1"> <thead> <tr> <th>SIZE</th> <th>WT (LB/FT)</th> <th>TO BE PUT IN WELL (FT)</th> <th>TO BE LEFT IN WELL (FT)</th> <th>HOLE SIZE</th> </tr> </thead> <tbody> <tr> <td>6.25</td> <td>unknown</td> <td>429</td> <td>29</td> <td>6.75</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				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															
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																								
METHOD OF EMPLACEMENT OF CEMENT PLUGS <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: Size of Hole or Pipe in which Plug Will Be Placed (inche : 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		PLUG #1 PLUG #2 PLUG #3 PLUG #4 PLUG #5 PLUG #6 PLUG #7																										
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any) <table border="1"> <thead> <tr> <th>From</th> <th>To</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>400</td> <td></td> <td></td> </tr> <tr> <td>429</td> <td>1145</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						From	To	From	To	5	400			429	1145													
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																							

AS-BUILT CMP11-06 CORE HOLE

PROPOSED PLUGGING AND ABANDONMENT CMP11-06 CORE HOLE



GP PROJECTS CURES RESOURCES 38706-CURS FEASIBILITY DRAWINGS EPA ELLABANDON CMP11-06_ABANDON.DWG

CMP11-06 COREHOLE DIAGRAM
HALF & ALDRICH

FLORENCE COPPER INC.
SCALE: NOT TO SCALE
SEPTEMBER 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

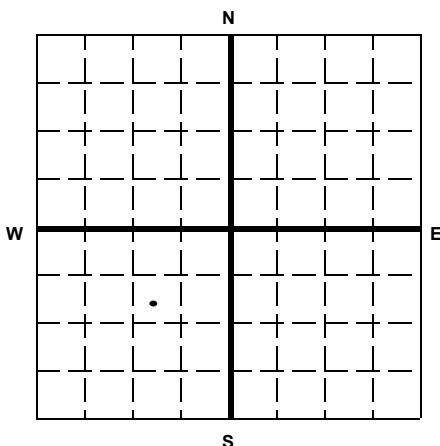
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 CLASS III

Well Number I-01

CASING AND TUBING RECORD AFTER PLUGGING
METHOD OF EMPLACEMENT OF CEMENT PLUGS

- The Balance Method
 The Dump Bailer Method
 The Two-Plug Method
 Other - 20" bore hole will be grouted using
the plug displacement method

SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
24"	94.62	20	20	28"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

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:

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

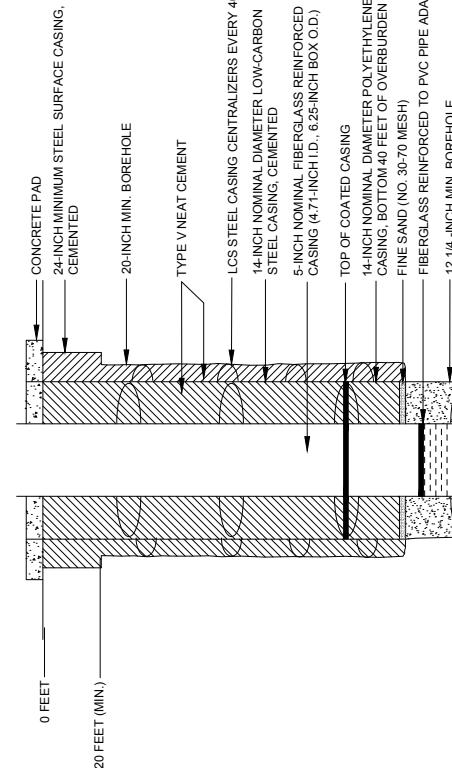
Date Signed

10/01/2014

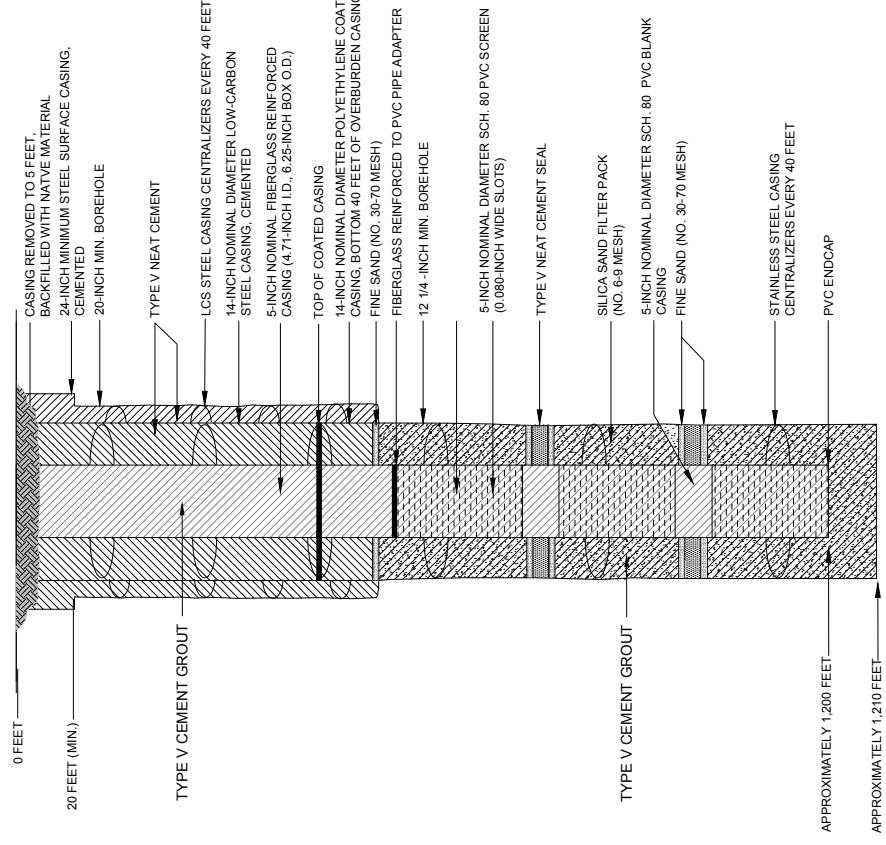
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

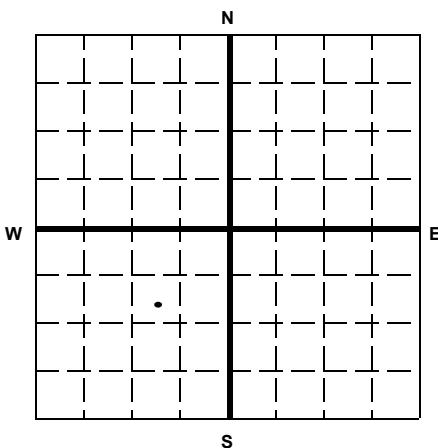
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

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 (inche:

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

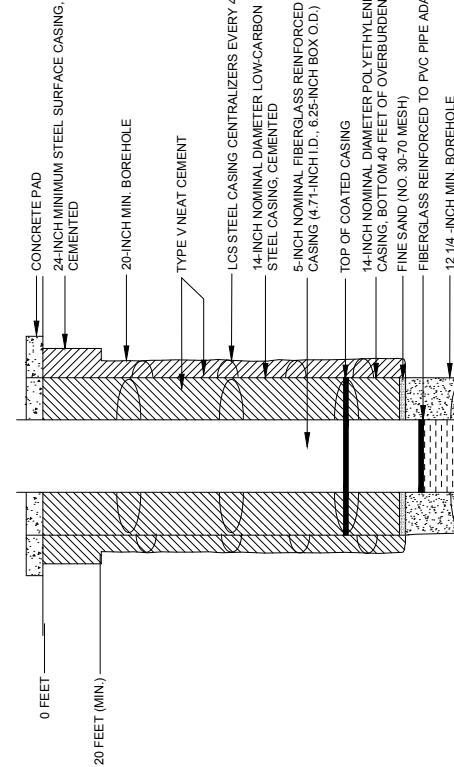
Date Signed

10/01/2014

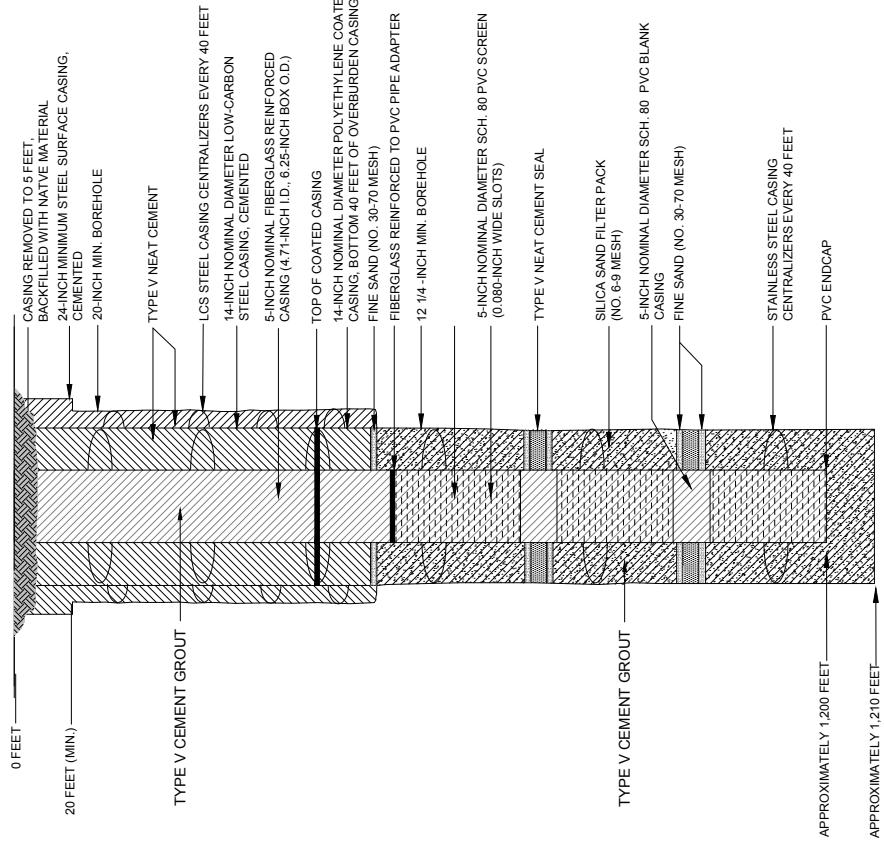
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1

United States Environmental Protection Agency
Washington, DC 20460

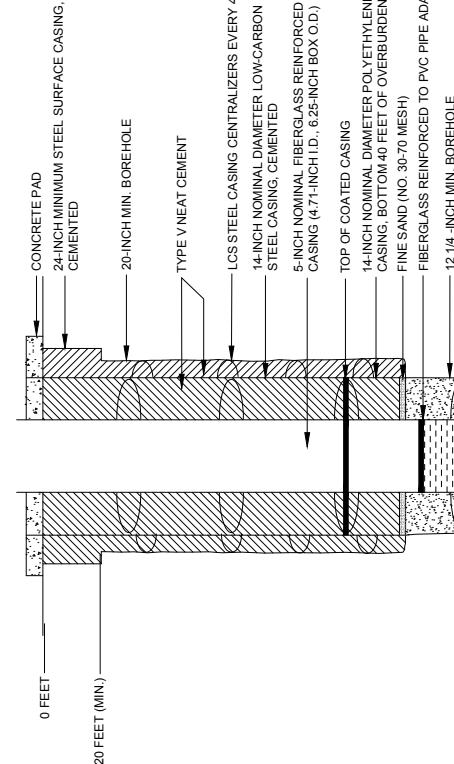
PLUGGING AND ABANDONMENT PLAN

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 <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description <input type="text" value="SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of"/> Section <input type="text" value="28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/> Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="1150 ft. frm (N/S)"/> <input type="text" value="N"/> Line of quarter section and <input type="text" value="1040 ft. from (E/W)"/> <input type="text" value="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 <input type="text" value="1"/> Lease Name <input type="text" value="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 <input type="text" value="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	<input checked="" type="checkbox"/> The Balance Method <input type="checkbox"/> The Dump Bailer Method <input type="checkbox"/> The Two-Plug Method <input checked="" type="checkbox"/> Other - 20" bore hole will be grouted using the plug displacement method				
24"	94.62	20	20	28"					
14"	45.68	490	490	20"					
5"	5.61	510	510	14"					
5"	3	690	690	12.25"					
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			<input type="text" value="5"/>						
Depth to Bottom of Tubing or Drill Pipe (ft			<input type="text" value="1200"/>						
Sacks of Cement To Be Used (each plug)			<input type="text" value="128"/>						
Slurry Volume To Be Pumped (cu. ft.)			<input type="text" value="163"/>						
Calculated Top of Plug (ft.)			<input type="text" value="0"/>						
Measured Top of Plug (if tagged ft.)			<input type="text" value="NA"/>						
Slurry Wt. (Lb./Gal.)			<input type="text" value="15.4"/>						
Type Cement or Other Material (Class III)			<input type="text" value="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		

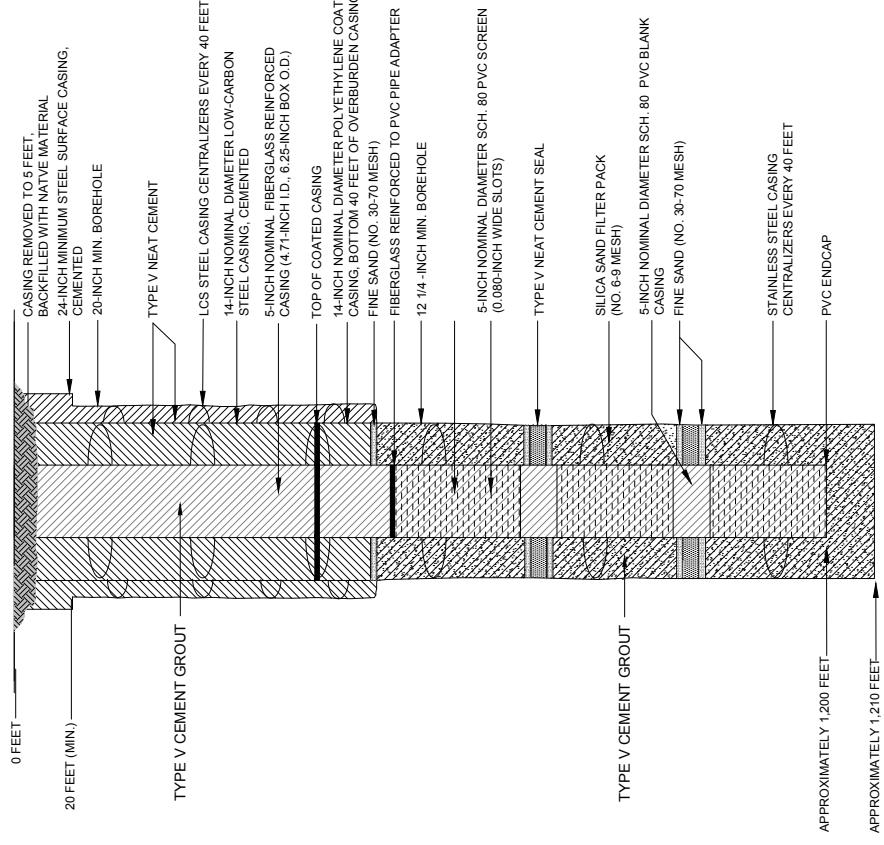
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

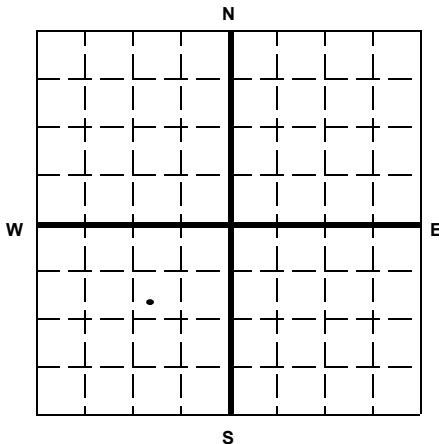
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 CLASS III

Well Number I-04

CASING AND TUBING RECORD AFTER PLUGGING
METHOD OF EMPLACEMENT OF CEMENT PLUGS

- The Balance Method
 The Dump Bailer Method
 The Two-Plug Method
 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	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
24"	94.62	20	20	28"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

Size of Hole or Pipe in which Plug Will Be Placed (inche	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

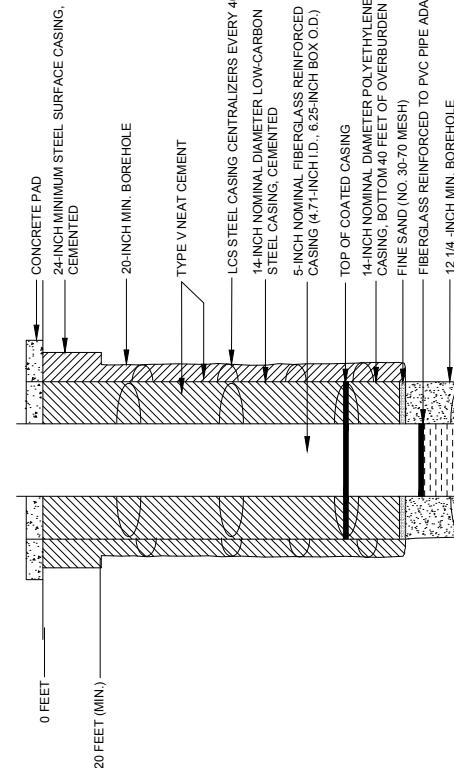
Date Signed

10/01/2014

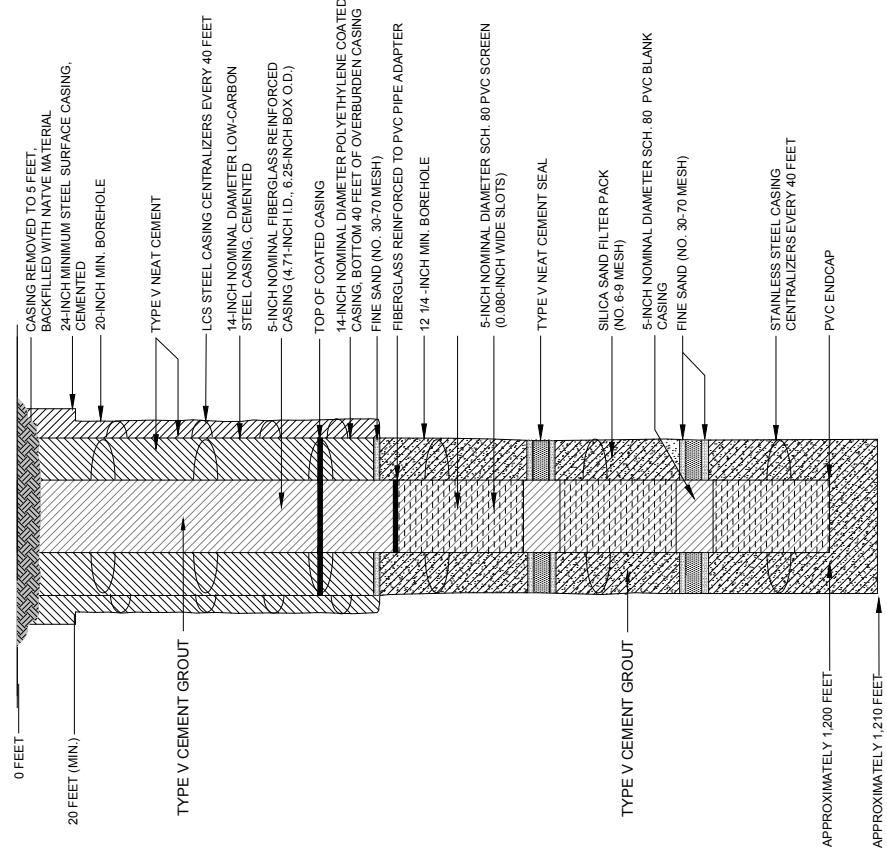
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

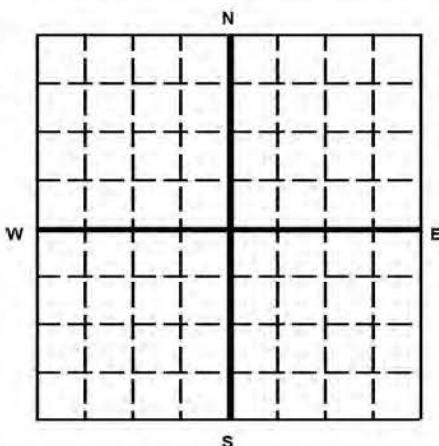
Name and Address of Facility

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

- Individual Permit
- Area Permit
- Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
- CLASS II
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage
- 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"
4"	45.68	240	240	9.86"
4"	3	20	20	9.86"

The Balance Method

The Dump Bailer Method

The Two-Plug Method

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

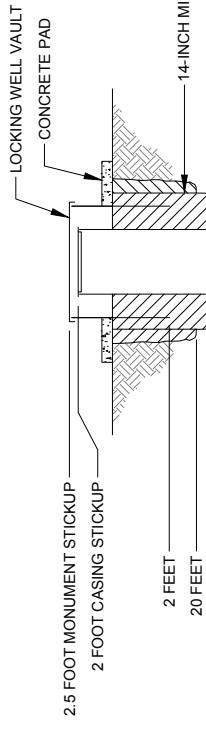
Date Signed

10/1/2014

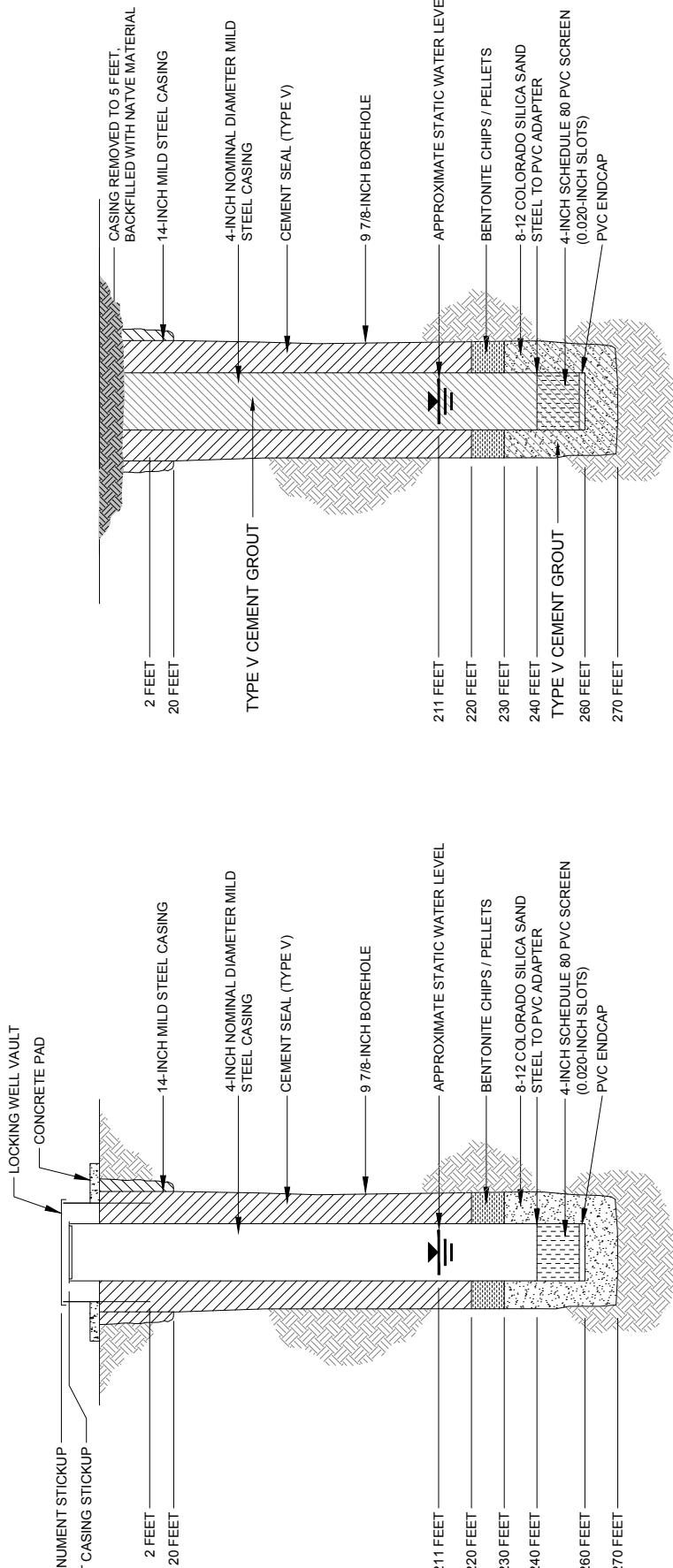
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\W55_M56_WELIDESIGN.DWG
Operator Name: ANDREVA LAUREN
Plot Date: October 11, 2014

PROPOSED DESIGN
SUPPLEMENTAL MONITORING
WELL M55-UBF



PROPOSED PLUGGING AND
ABANDONMENT
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

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

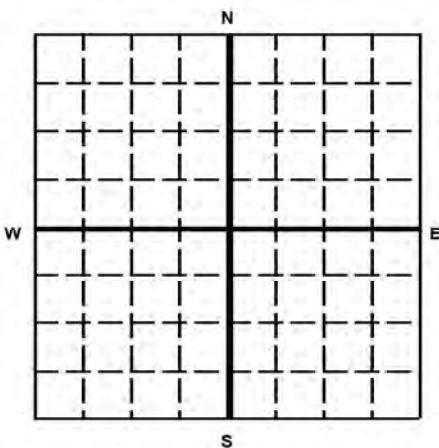
Name and Address of Facility

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 925 ft. frm (N/S) N Line of quarter section
and 1190 ft. from (E/W) E Line of quarter section.

TYPE OF AUTHORIZATION

- Individual Permit
- Area Permit
- Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
- CLASS II
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage
- 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
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 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

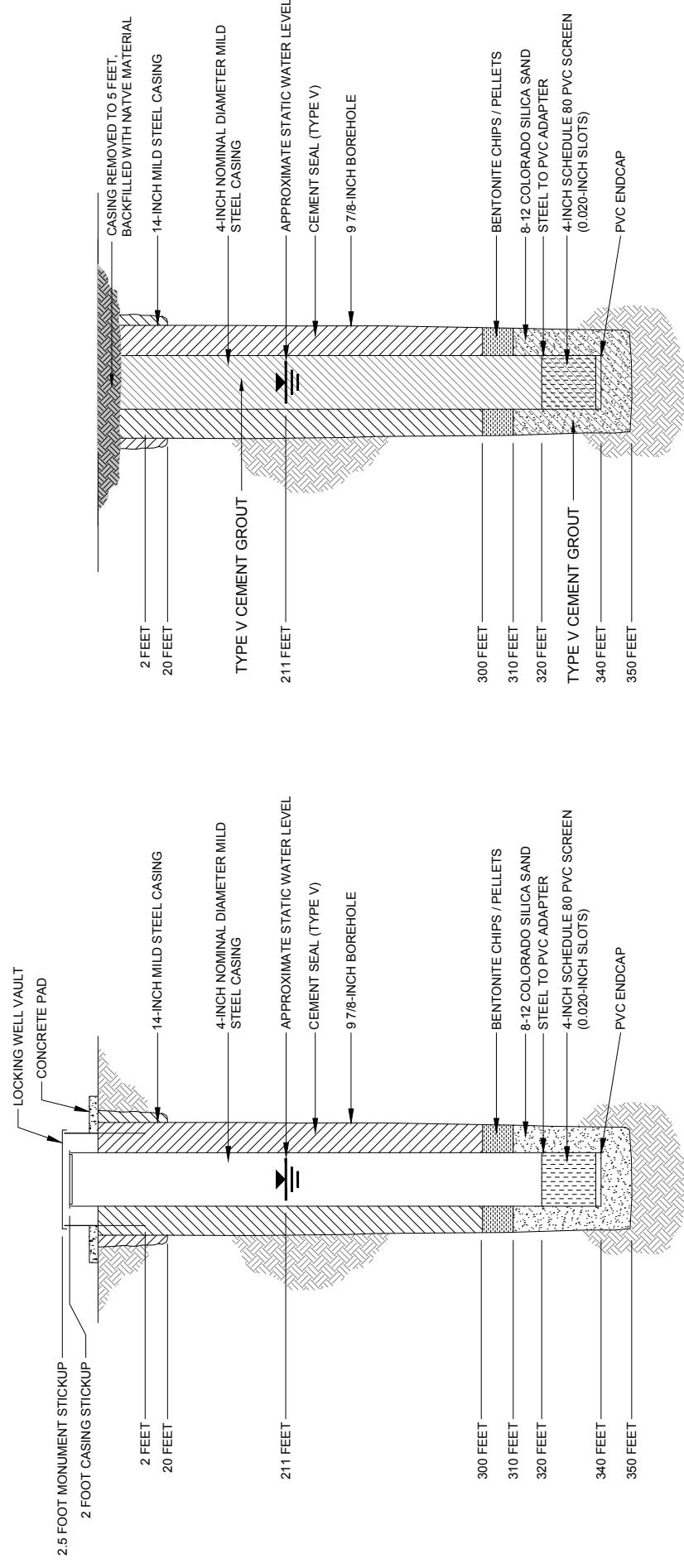
Date Signed

10/1/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PIT PLUGGING\M56_WELLDESIGN.DWG
Operator Name: CANDREVA, LAUREN
Plot Date: October 1, 2014

PROPOSED DESIGN
SUPPLEMENTAL MONITORING
WELL M56-LBF



HALEY &
ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

PROPOSED SUPPLEMENTAL
MONITORING WELL M56-LBF
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

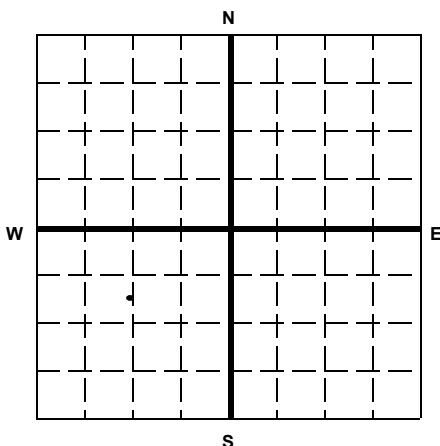
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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
4	8.9	525	525	9.86
4	2	675	675	9.86

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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

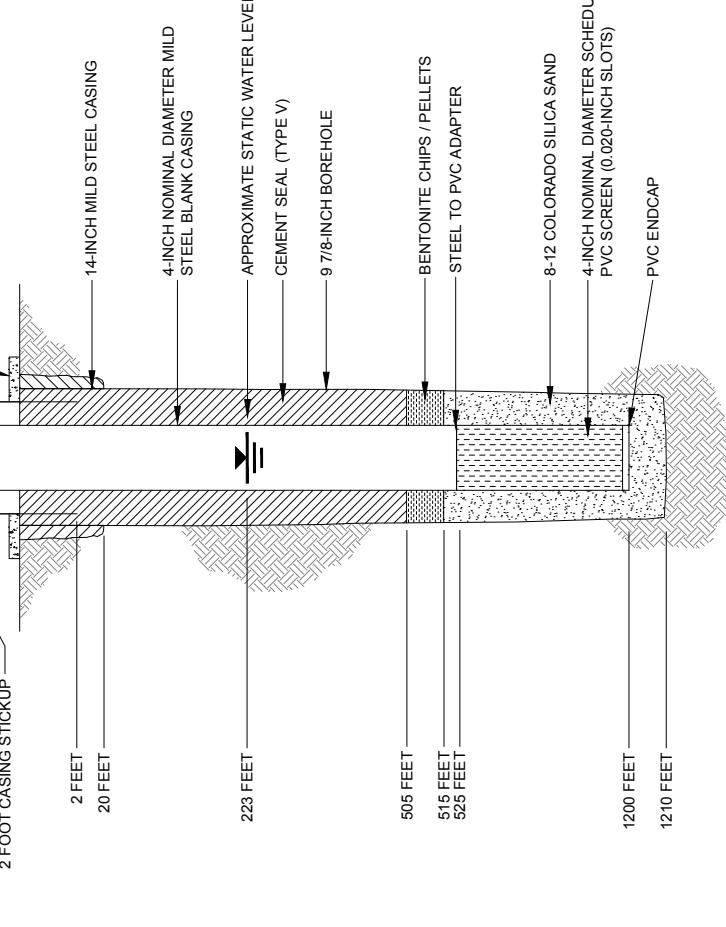
Date Signed

10/01/2014

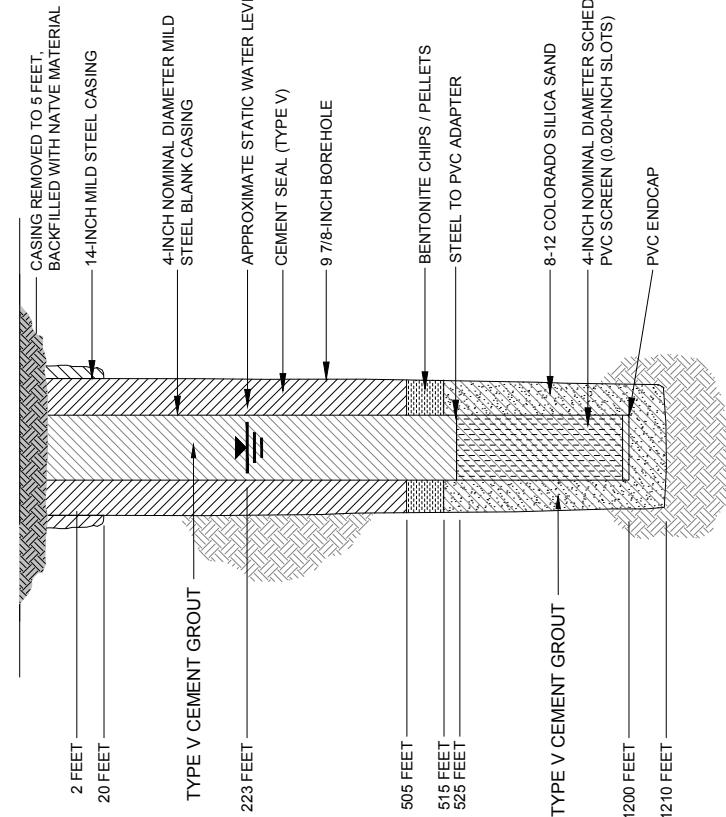
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\M57WELLDESIGN.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG-A.M57

PROPOSED DESIGN
SUPPLEMENTAL MONITORING
WELL M57-O



PROPOSED PLUGGING AND
ABANDONMENT
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

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

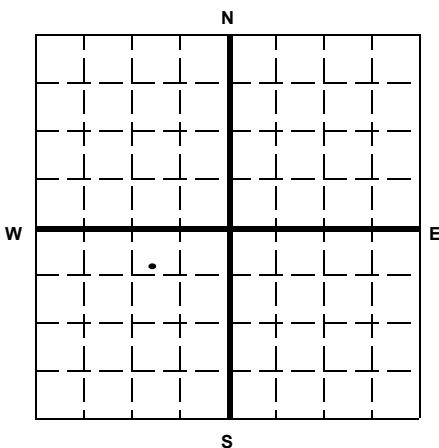
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

Lease Name NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
4"	8.9	595	595	9.86"
4"	2	605	605	9.86"

The Balance Method

The Dump Bailer Method

The Two-Plug Method

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)

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

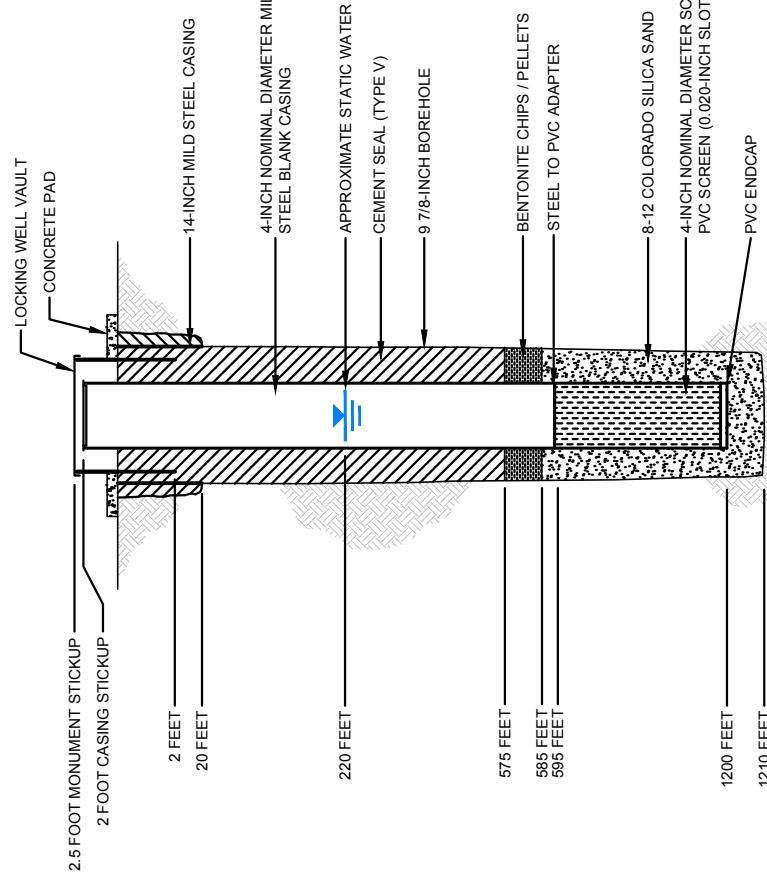
Date Signed

10/01/2014

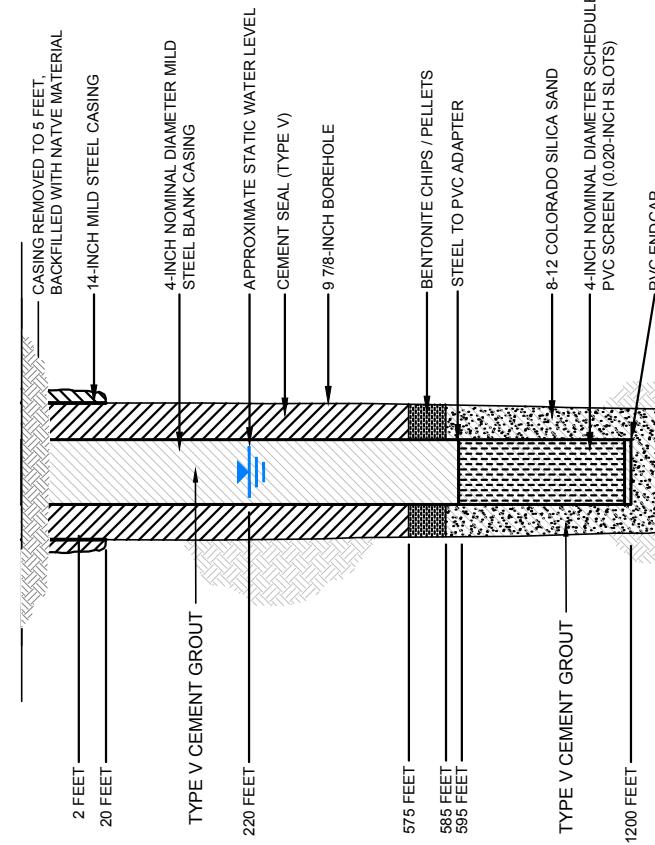
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PIT PLUGGING\W58\WELLDESIGN.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG.AM58

PROPOSED DESIGN
SUPPLEMENTAL MONITORING
WELL M58-O



PROPOSED PLUGGING AND
ABANDONMENT
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

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

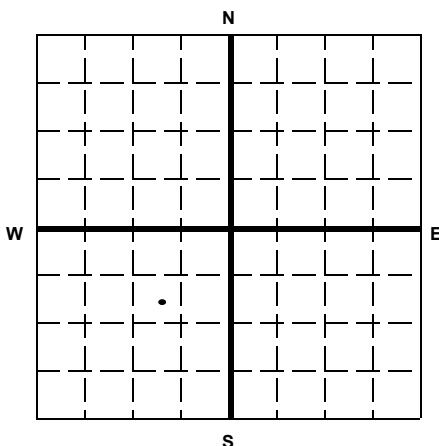
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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
4	8.9	535	535	9.86
4	2	665	665	9.86

- The Balance Method

- The Dump Bailer Method

- The Two-Plug Method

- 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)

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

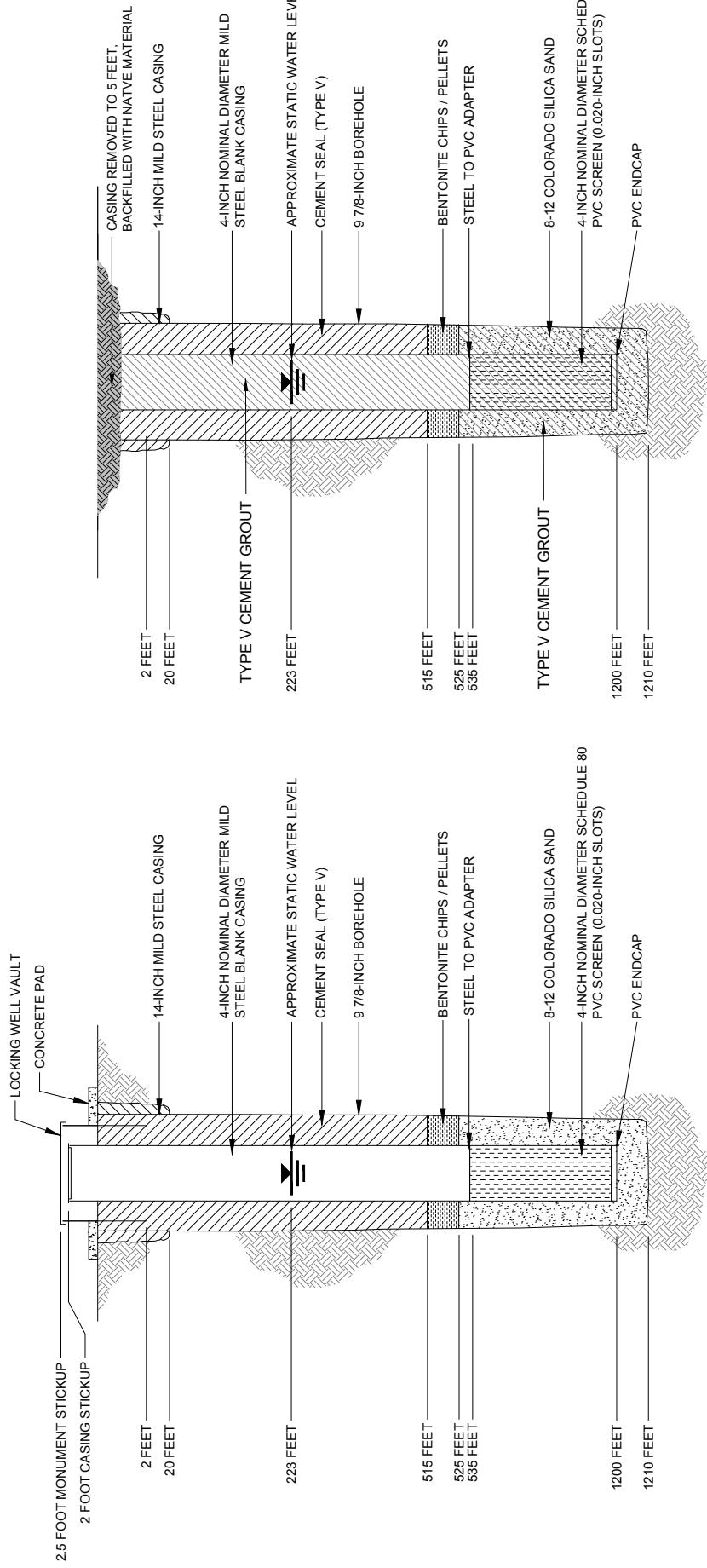
Signature

Date Signed

10/01/2014

Drawing Name: G:\PROJECTS\CURSIS RESOURCES\38706-CURSIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PIT PLUGGING\59WELLDISGN.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**

This cross-section diagram illustrates the components of a borehole completion assembly. The borehole is shown with a hatched pattern. Key features include:

- TYPE V CEMENT GROUT**: Lining the borehole at the top.
- STEEL BLANK CASING**: A vertical pipe segment above the cement seal.
- APPROXIMATE STATIC WATER LEVEL**: Indicated by a horizontal dashed line.
- CEMENT SEAL (TYPE V)**: A thick, grey layer sealing the borehole.
- BENTONITE CHIPS / PELLETS**: A layer of granular material.
- STEEL TO PVC ADAPTER**: A transition piece between steel and plastic components.
- 8-12 COLORADO SILICA SAND**: A layer of sand used for backfilling.
- PVC SCREEN (0.020-INCH SLOTS)**: A mesh screen placed within the sand.
- PVC END CAP**: A cap at the bottom of the screen.
- TYPE V CEMENT GROUT**: Lining the borehole at the bottom.
- 4-INCH NOMINAL DIAMETER TAPER MILD**: The borehole diameter specification.
- 223 FEET**, **515 FEET**, **525 FEET**, **535 FEET**, **1200 FEET**, **1210 FEET**: Vertical dimensions along the borehole axis.
- 9 7/8-INCH BOREHOLE**: The borehole's internal diameter.

HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**PROPOSED SUPPLEMENTAL
MONITORING WELL M59-O
ABANDONMENT DIAGRAM**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1

United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

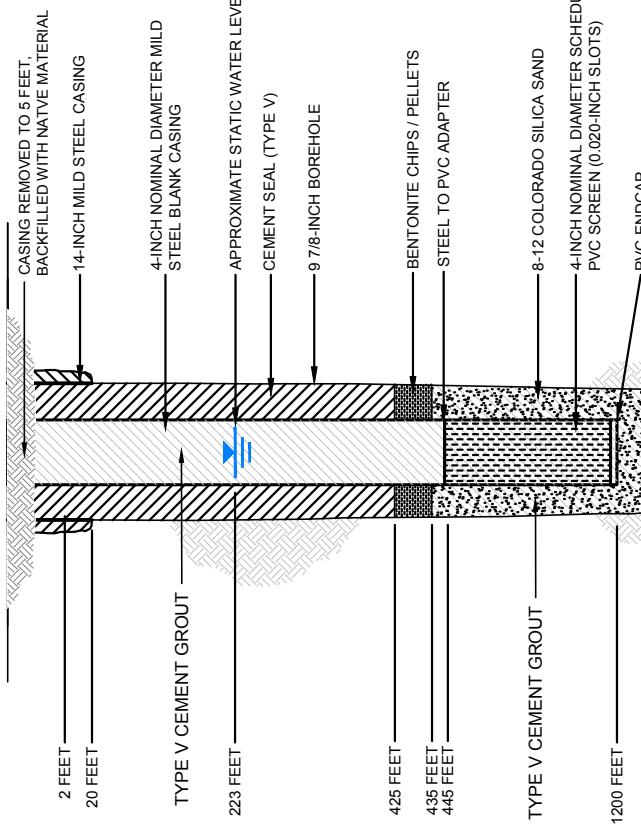
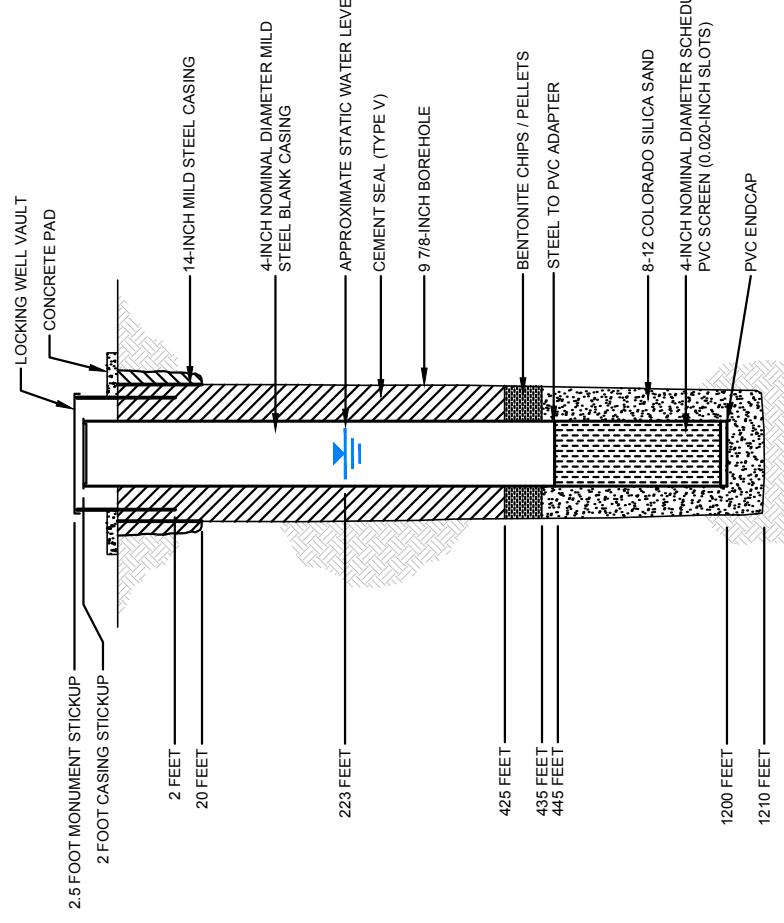
Name and Address of Facility Florence Copper Project 1575 W Hunt Hwy, Florence, AZ 85132		Name and Address of Owner/Operator Florence Copper 1575 W Hunt Hwy, Florence, AZ 85132																										
Locate Well and Outline Unit on Section Plat - 640 Acres		State <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description <input type="checkbox"/> SW 1/4 of <input type="checkbox"/> SW 1/4 of <input type="checkbox"/> NE 1/4 of <input type="checkbox"/> SW 1/4 of Section <input type="text" value="28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/> Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="1280 ft. frm (N/S)"/> <input type="checkbox"/> N Line of quarter section and <input type="text" value="1140 ft. from (E/W)"/> <input type="checkbox"/> 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 <input type="text" value="1"/> Lease Name <input type="text" value="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 <input type="text" value="M60-O"/>																									
CASING AND TUBING RECORD AFTER PLUGGING <table border="1"> <thead> <tr> <th>SIZE</th> <th>WT (LB/FT)</th> <th>TO BE PUT IN WELL (FT)</th> <th>TO BE LEFT IN WELL (FT)</th> <th>HOLE SIZE</th> </tr> </thead> <tbody> <tr> <td>14"</td> <td>36.71</td> <td>20</td> <td>20</td> <td>20"</td> </tr> <tr> <td>4"</td> <td>8.9</td> <td>445</td> <td>445</td> <td>9.86"</td> </tr> <tr> <td>4"</td> <td>2</td> <td>755</td> <td>755</td> <td>9.86"</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	14"	36.71	20	20	20"	4"	8.9	445	445	9.86"	4"	2	755	755	9.86"					
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE																								
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METHOD OF EMPLACEMENT OF CEMENT PLUGS <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: Size of Hole or Pipe in which Plug Will Be Placed (inche: <input type="text" value="4"/> Depth to Bottom of Tubing or Drill Pipe (ft) <input type="text" value="1200"/> Sacks of Cement To Be Used (each plug) <input type="text" value="82"/> Slurry Volume To Be Pumped (cu. ft.) <input type="text" value="105"/> Calculated Top of Plug (ft.) <input type="text" value="0"/> Measured Top of Plug (if tagged ft.) <input type="text" value="NA"/> Slurry Wt. (Lb./Gal.) <input type="text" value="15.4"/> Type Cement or Other Material (Class III) <input type="text" value="V"/>		PLUG #1 <input type="text"/> PLUG #2 <input type="text"/> PLUG #3 <input type="text"/> PLUG #4 <input type="text"/> PLUG #5 <input type="text"/> PLUG #6 <input type="text"/> PLUG #7 <input type="text"/>																										
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any) <table border="1"> <thead> <tr> <th>From</th> <th>To</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>445</td> <td>1200</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						From	To	From	To	445	1200																	
From	To	From	To																									
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Estimated Cost to Plug Wells <input type="text" value="\$12,500 - abandonment costs"/>																												
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Name and Official Title (Please type or print) <input type="text" value="Dan Johnson, VP Environmental and Technical Services"/>		Signature 		Date Signed <input type="text" value="10/01/2014"/>																								

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\W60WELLDESIGN.DWG
Operator Name: ANDREVA LAUREN
Plot Date: October 1, 2014
Drawing Layout: HA.FIG.AM60

PROPOSED DESIGN SUPPLEMENTAL MONITORING WELL M60-O

PROPOSED PLUGGING AND ABANDONMENT 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

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

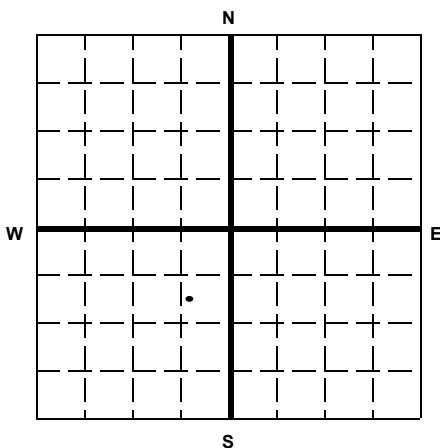
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

Lease Name NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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
4	8.9	435	435	9.86
4	2	200	200	9.86

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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

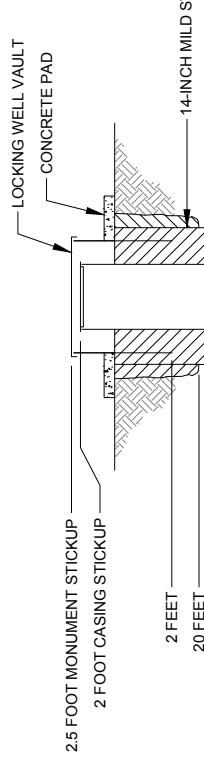
Date Signed

10/01/2014

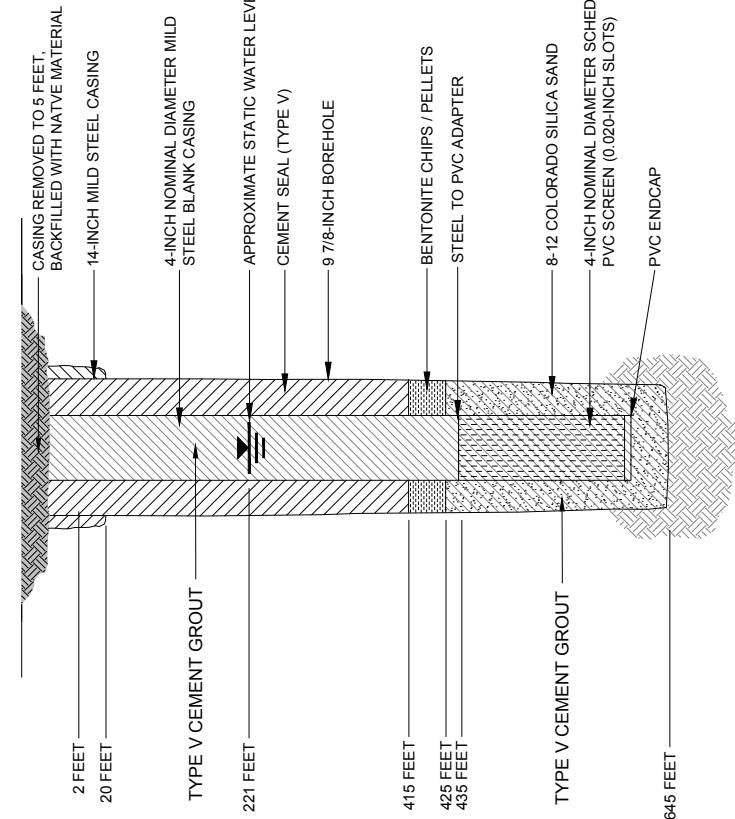
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APPNPTF PLUGGING\W61WELLDISIGN.DWG
Operator Name: ANDREVA LAUREN
Plot Date: October 11, 2014
Drawing Layout: HA.FIG-A.M61

PROPOSED DESIGN SUPPLEMENTAL MONITORING WELL M61-O



PROPOSED PLUGGING AND ABANDONMENT 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

FIGURE 1

United States Environmental Protection Agency
Washington, DC 20460

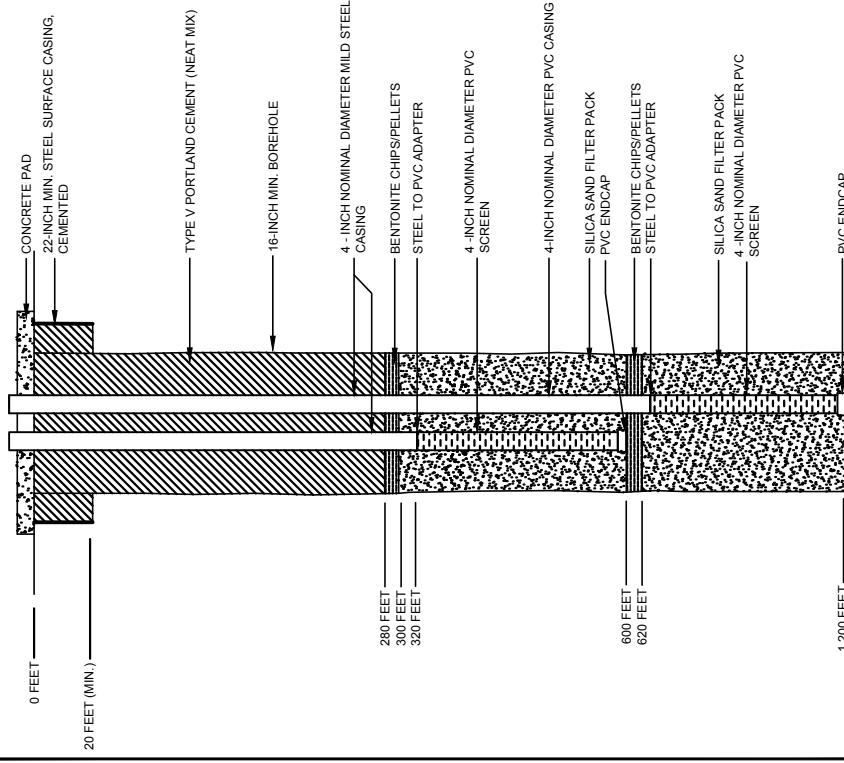
PLUGGING AND ABANDONMENT PLAN

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 <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description <input type="text" value="NE"/> 1/4 of <input type="text" value="SE"/> 1/4 of <input type="text" value="NW"/> 1/4 of <input type="text" value="SW"/> 1/4 of Section <input type="text" value="28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/> Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="730"/> ft. frm (N/S) <input type="text" value="N"/> Line of quarter section and <input type="text" value="1300"/> ft. from (E/W) <input type="text" value="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 <input type="text" value="1"/> Lease Name <input type="text" value="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 <input type="text" value="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	<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				
<input type="text" value="22"/>	<input type="text" value="72.3"/>	<input type="text" value="20"/>	<input type="text" value="20"/>	<input type="text" value="28"/>					
<input type="text" value="4"/>	<input type="text" value="2"/>	<input type="text" value="1800"/>	<input type="text" value="1800"/>	<input type="text" value="16"/>					
<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>					
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			<input type="text" value="4"/>	<input type="text" value="4"/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>
Depth to Bottom of Tubing or Drill Pipe (ft			<input type="text" value="1200"/>	<input type="text" value="600"/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>
Sacks of Cement To Be Used (each plug)			<input type="text" value="82"/>	<input type="text" value="41"/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>
Slurry Volume To Be Pumped (cu. ft.)			<input type="text" value="105"/>	<input type="text" value="52"/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>
Calculated Top of Plug (ft.)			<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>
Measured Top of Plug (if tagged ft.)			<input type="text" value="NA"/>	<input type="text" value="NA"/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>
Slurry Wt. (Lb./Gal.)			<input type="text" value="15.4"/>	<input type="text" value="15.4"/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>
Type Cement or Other Material (Class III)			<input type="text" value="Type V"/>	<input type="text" value="Type V"/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>	<input type="text" value=" "/>
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)									
From	To		From		To				
<input type="text" value="320"/>	<input type="text" value="600"/>		<input type="text" value=" "/>		<input type="text" value=" "/>				
<input type="text" value="620"/>	<input type="text" value="1200"/>		<input type="text" value=" "/>		<input type="text" value=" "/>				
<input type="text" value=" "/>	<input type="text" value=" "/>		<input type="text" value=" "/>		<input type="text" value=" "/>				
<input type="text" value=" "/>	<input type="text" value=" "/>		<input type="text" value=" "/>		<input type="text" value=" "/>				
Estimated Cost to Plug Wells									
\$12,000									
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)			Signature			Date Signed			
<input type="text" value=" "/>						<input type="text" value="10/01/2014"/>			

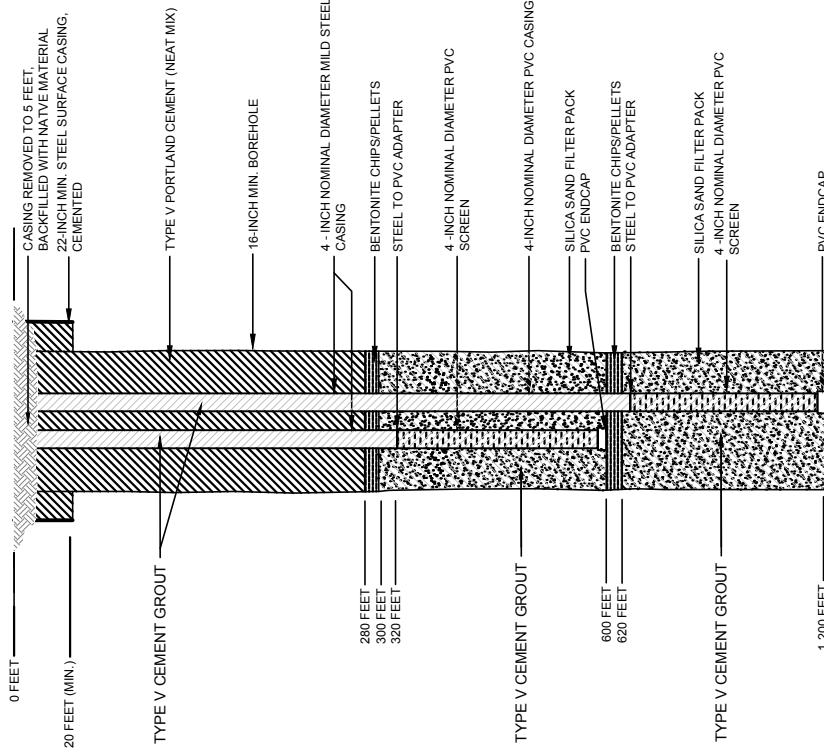
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\MW-01_WELLDIAGRAM.DWG
Operator Name: CANDREVA, LAUREN
Plot Date: October 1, 2014
Drawing Layout: HA.FIG.A.1

PROPOSED DESIGN
OPERATIONAL MONITORING
WELL MW-01



PROPOSED PLUGGING AND
ABANDONMENT
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

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

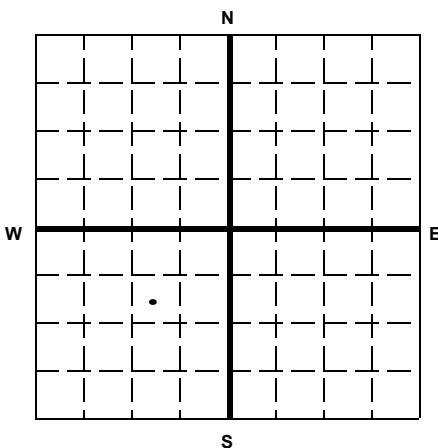
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 CLASS III

Lease Name NA

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"
4"	5.61	510	510	10"
4"	2	690	690	10"

The Balance Method

The Dump Bailer Method

The Two-Plug Method

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)

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

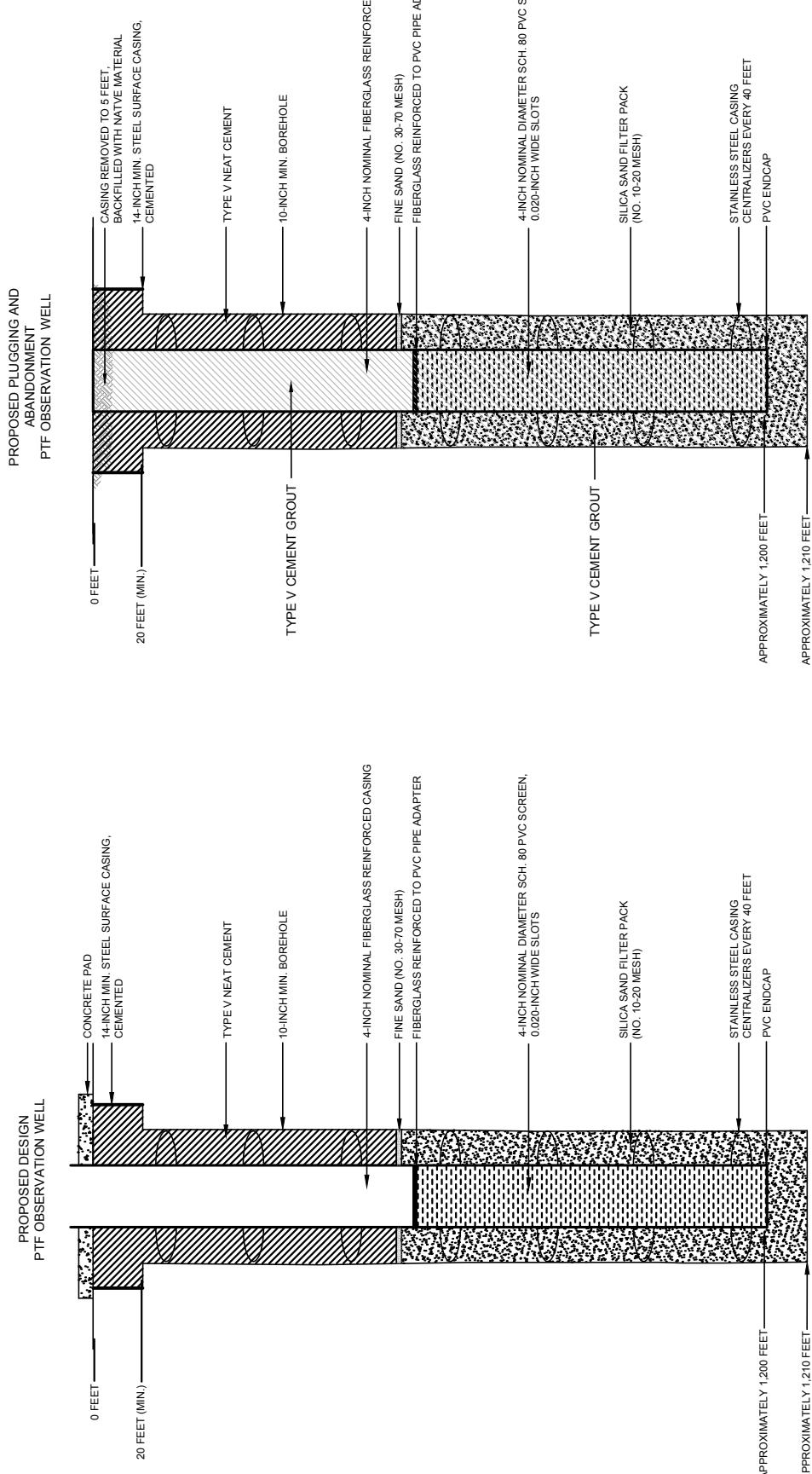
Signature

Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-OBSERVATION_WELL_CONSTRUCTION.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG-A.L



HALEY & ALDRICH
FLORENCE COPPER, INC.
FLORENCE, ARIZONA

TEST FACILITY PROPOSED
OBSERVATION WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

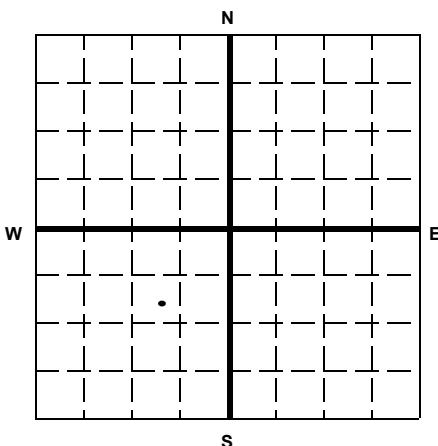
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
4"	5.61	510	510	10"
4"	2	690	690	10"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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

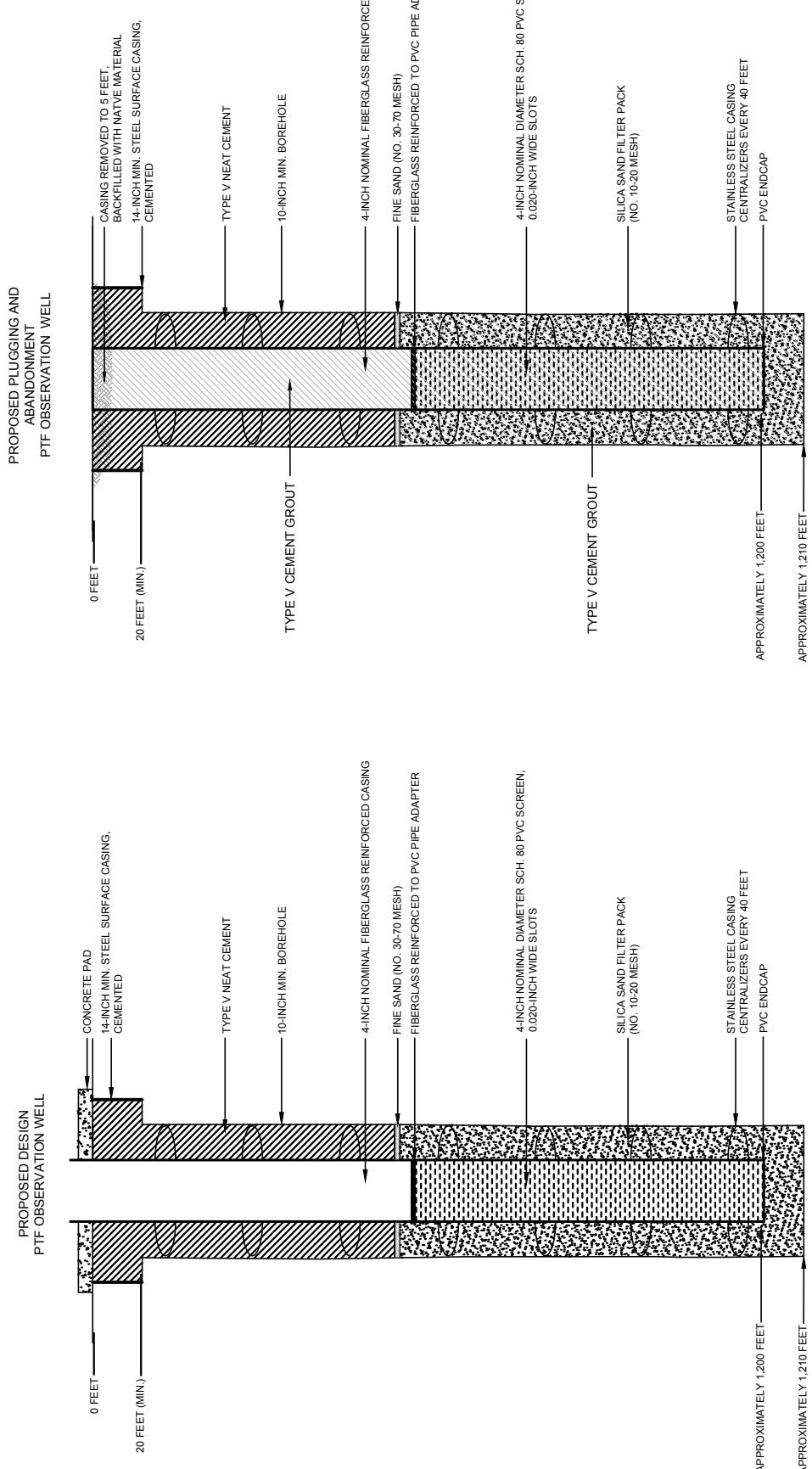
Signature

Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-OBSERVATION_WELL_CONSTRUCTION.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG-A.L



HALEY & ALDRICH
FLORENCE COPPER, INC.
FLORENCE, ARIZONA

TEST FACILITY PROPOSED
OBSERVATION WELL
ABANDONMENT SCHEMATIC

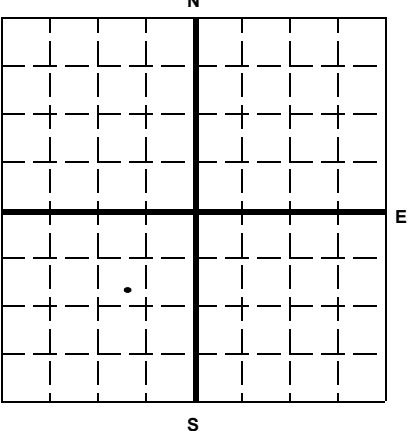
SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



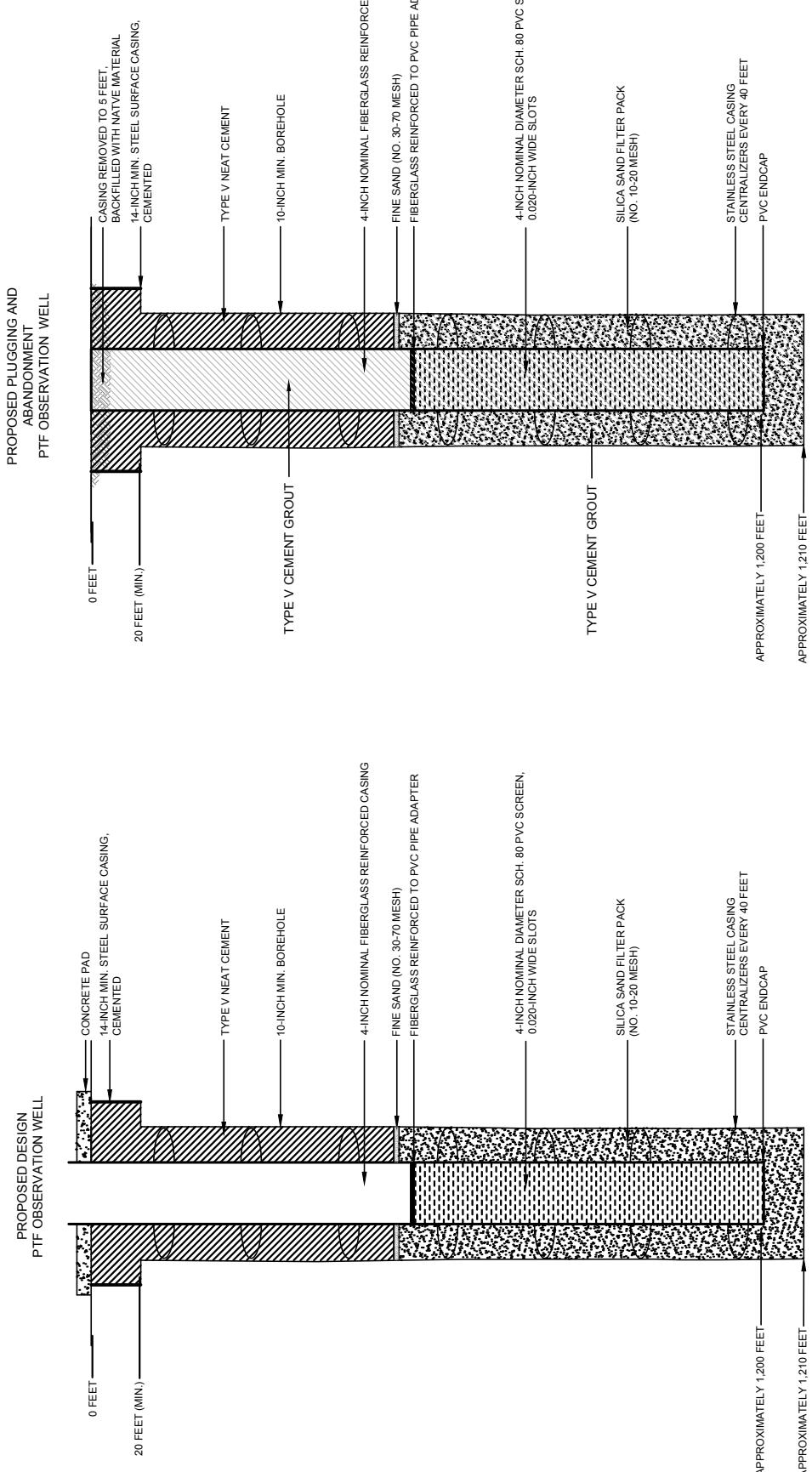
United States Environmental Protection Agency
Washington, DC 20460

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 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SIZE</th> <th>WT (LB/FT)</th> <th>TO BE PUT IN WELL (FT)</th> <th>TO BE LEFT IN WELL (FT)</th> <th>HOLE SIZE</th> </tr> </thead> <tbody> <tr> <td>14"</td> <td>27.66</td> <td>20</td> <td>20</td> <td>20"</td> </tr> <tr> <td>4"</td> <td>5.61</td> <td>510</td> <td>510</td> <td>10"</td> </tr> <tr> <td>4"</td> <td>2</td> <td>690</td> <td>690</td> <td>10"</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	14"	27.66	20	20	20"	4"	5.61	510	510	10"	4"	2	690	690	10"						METHOD OF EMPLACEMENT OF CEMENT PLUGS <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	
SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE																								
14"	27.66	20	20	20"																								
4"	5.61	510	510	10"																								
4"	2	690	690	10"																								
CEMENTING TO PLUG AND ABANDON DATA: Size of Hole or Pipe in which Plug Will Be Placed (inche : 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 520		To 1200																										
Estimated Cost to Plug Wells \$12,500 - abandonment costs																												
Certification																												
<p>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)</p>																												
Name and Official Title (Please type or print) Dan Johnson, VP Environmental and Technical Services		Signature 																										
		Date Signed 10/01/2014																										

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-OBSERVATION_WELL_CONSTRUCTION.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG-A.L



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

TEST FACILITY PROPOSED
OBSERVATION WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

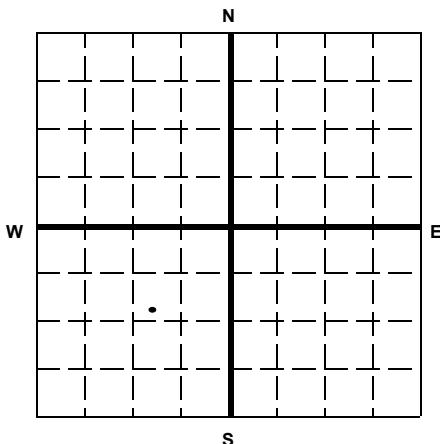
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
4"	5.61	510	510	10"
4"	2	690	690	10"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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

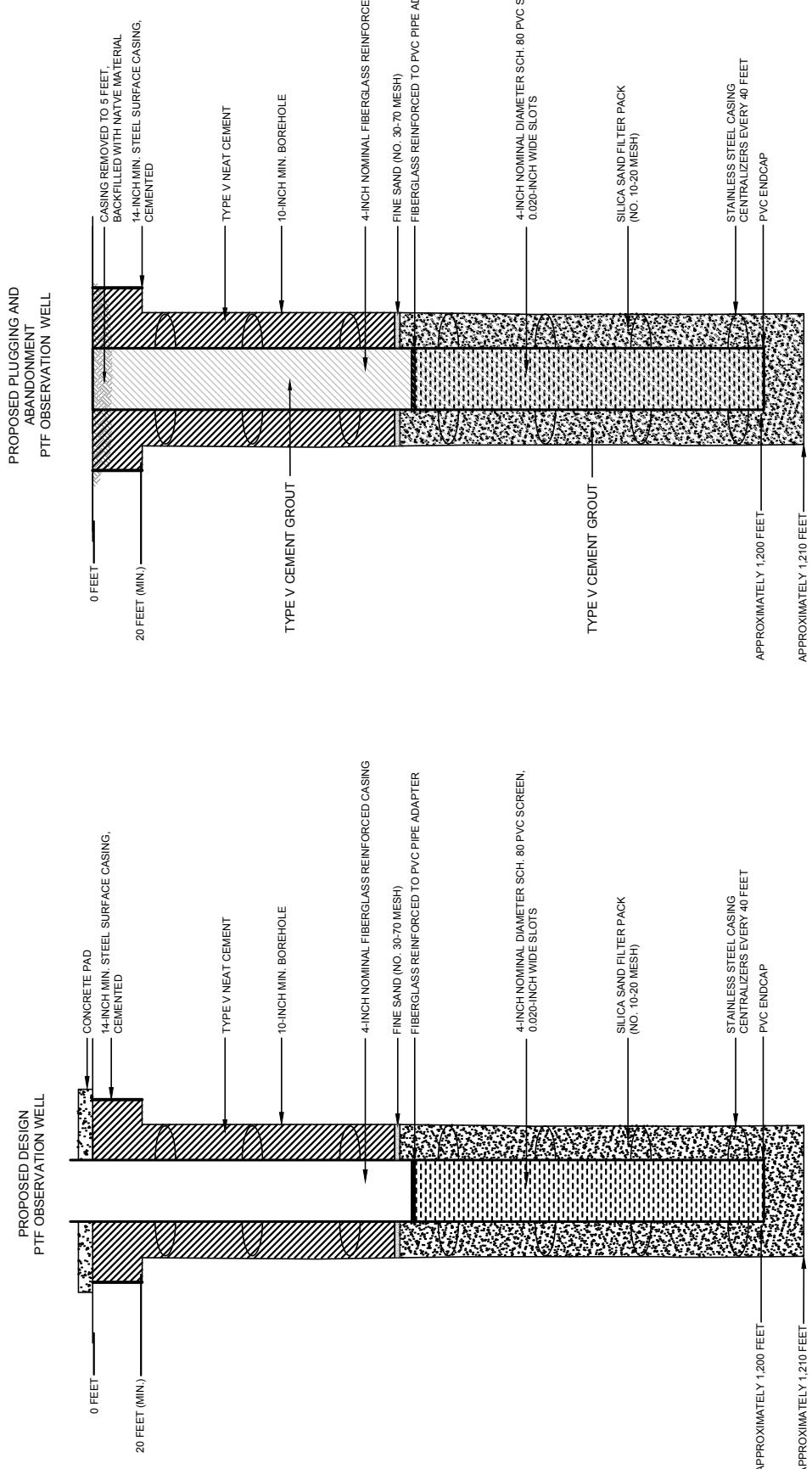
Signature

Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-OBSERVATION_WELL_CONSTRUCTION.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG-A.L



HALEY & ALDRICH
FLORENCE COPPER, INC.
FLORENCE, ARIZONA

TEST FACILITY PROPOSED
OBSERVATION WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

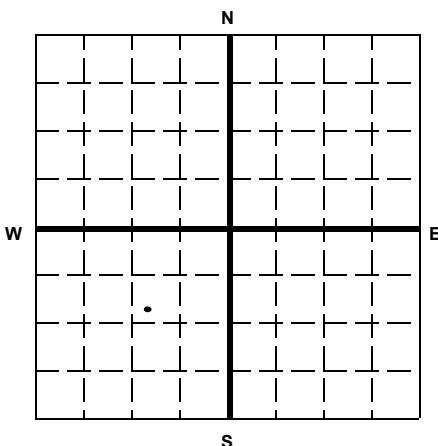
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

Lease Name NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
4"	5.61	510	510	10"
4"	2	690	690	10"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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

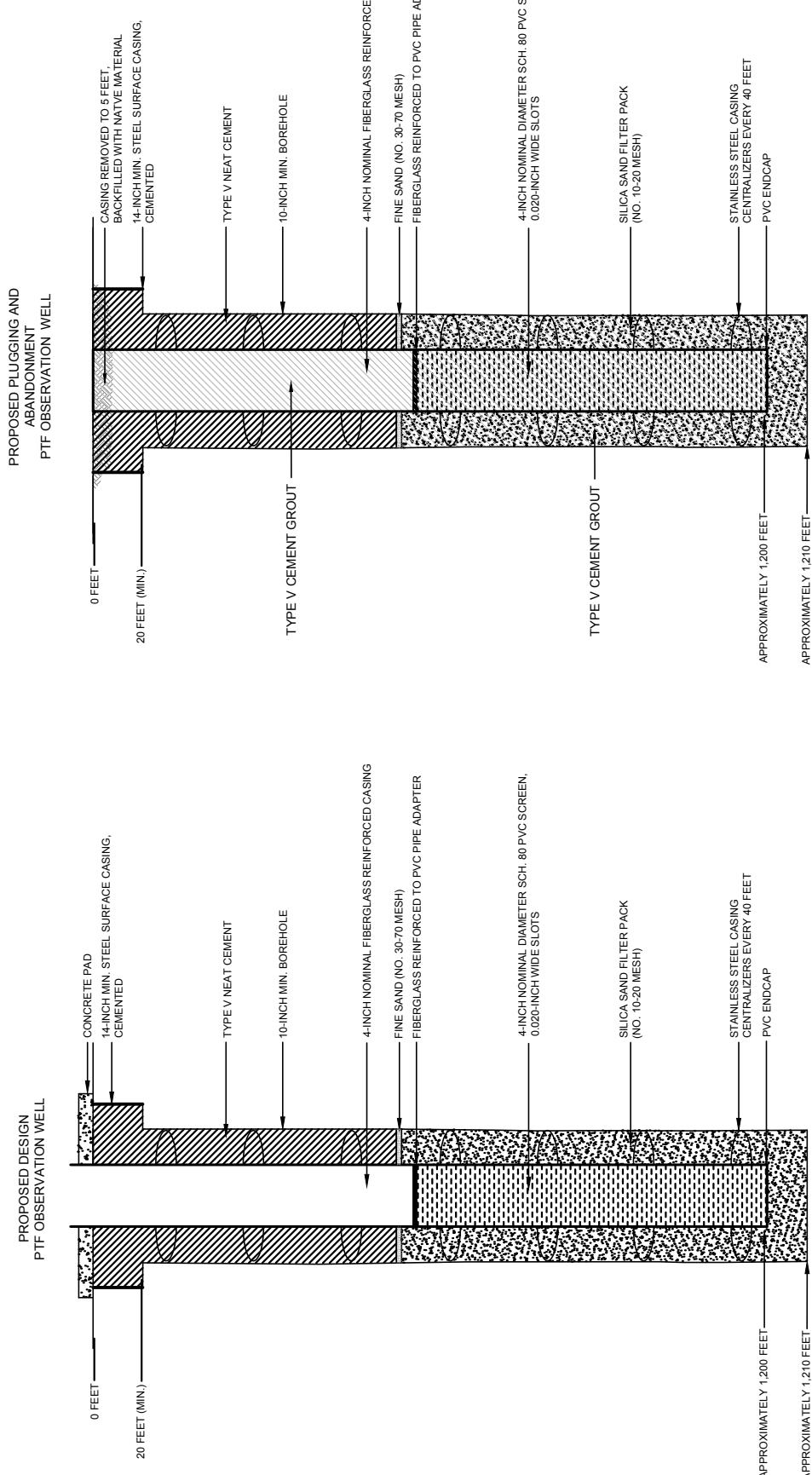
Signature

Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-OBSERVATION_WELL_CONSTRUCTION.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG-A.L



TEST FACILITY PROPOSED OBSERVATION WELL ABANDONMENT SCHEMATIC

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

HALEY & ALDRICH

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

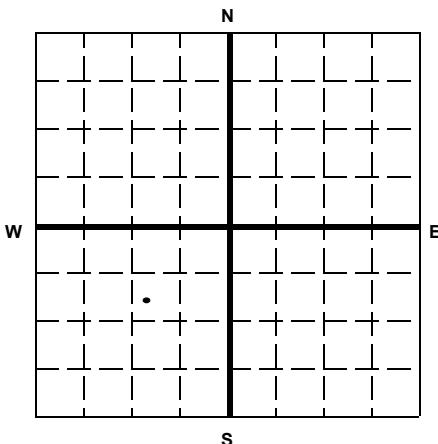
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 CLASS III

Lease Name NA

Well Number O-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
14"	27.66	20	20	20"
4"	5.61	510	510	10"
4"	3	690	690	10"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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

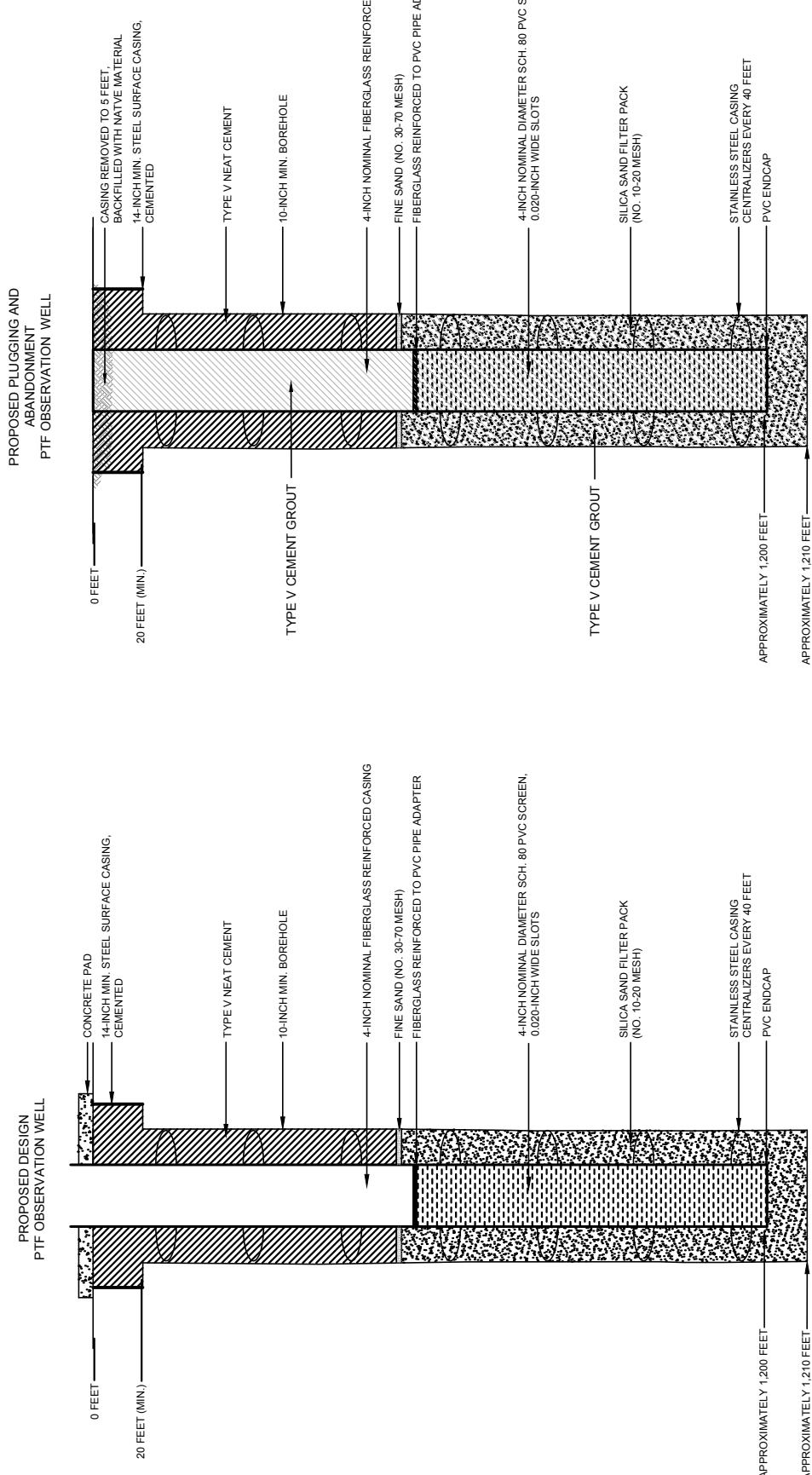
Signature

Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-OBSERVATION_WELL_CONSTRUCTION.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG-A.L



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

TEST FACILITY PROPOSED
OBSERVATION WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

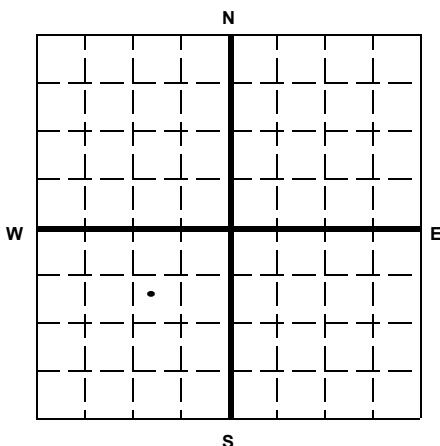
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
4"	5.61	510	510	10"
4"	2	690	690	10"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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)

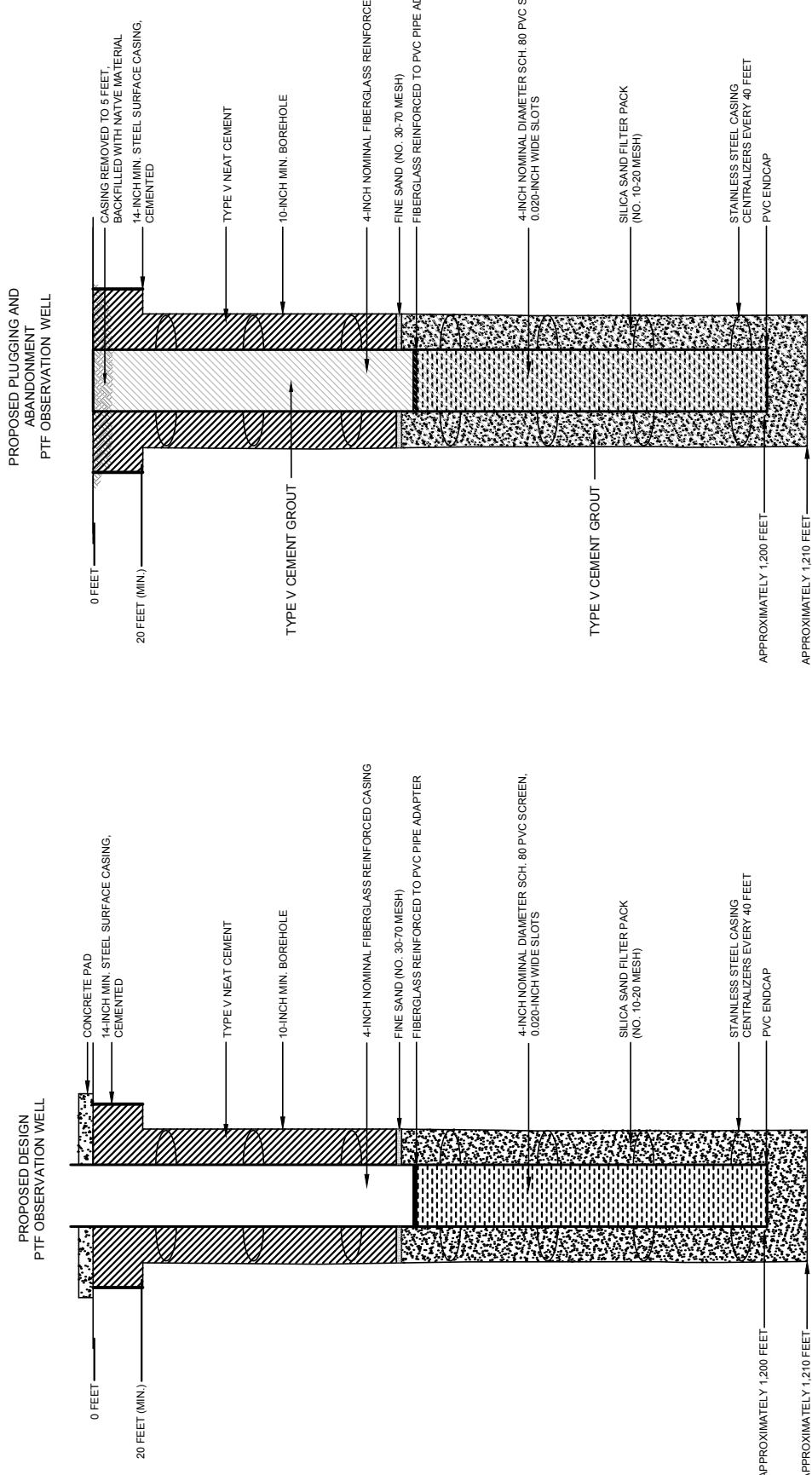
Dan Johnson, VP Environmental and Technical Services

Signature
Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-OBSERVATION_WELL_CONSTRUCTION.DWG
Operator Name: ANDREVA LAUREN
Plot Date: September 30, 2014
Drawing Layout: HA.FIG-A.L



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

TEST FACILITY PROPOSED
OBSERVATION WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

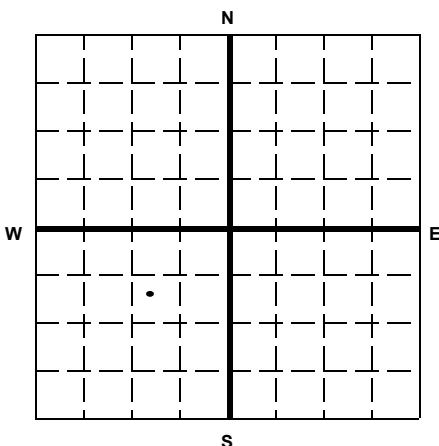
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

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 #4¹

PLUG #5¹

PLUG #6

PLUG #7

Size of Hole or Pipe in which Plug Will Be Placed (inche:

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

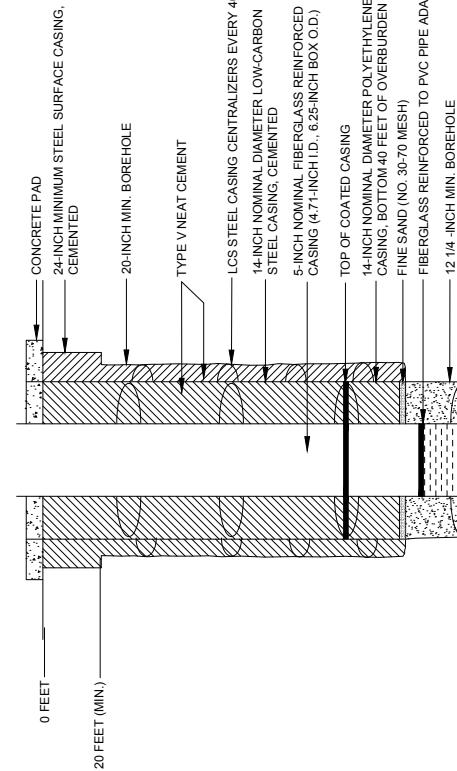
Date Signed

10/01/2014

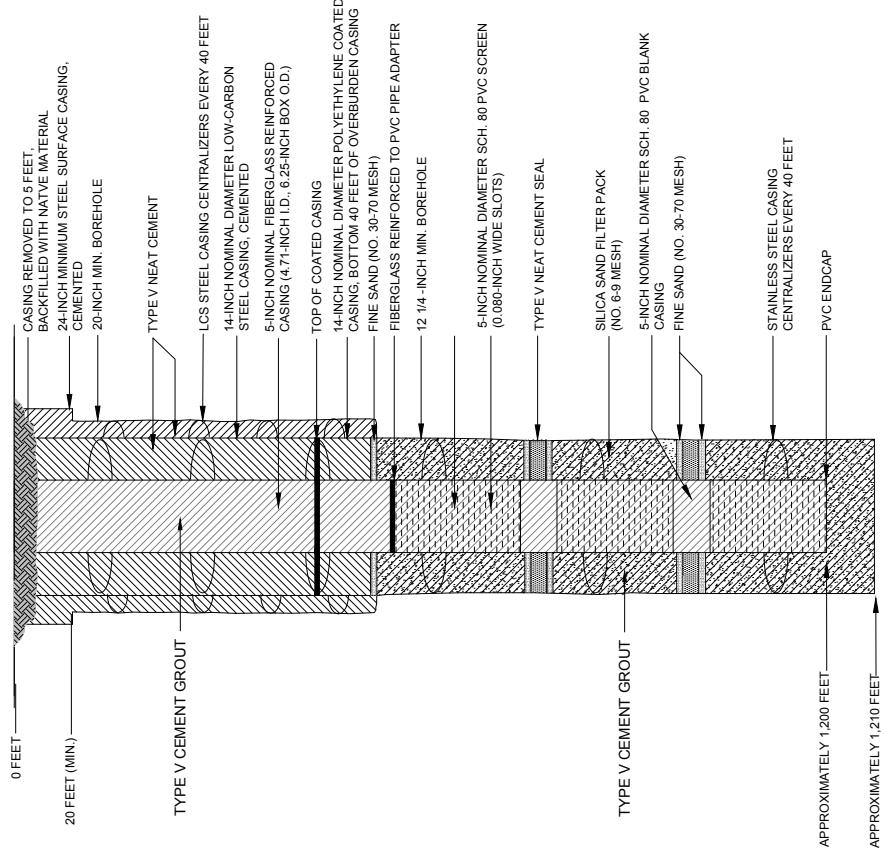
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

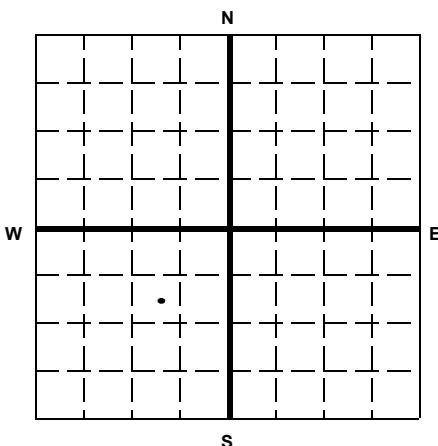
Name and Address of Facility

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

- Individual Permit
- Area Permit
- Rule

Number of Wells 1

WELL ACTIVITY

- CLASS I
- CLASS II
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage
- CLASS III

Lease Name NA

Well Number R-02

CASING AND TUBING RECORD AFTER PLUGGING
METHOD OF EMPLACEMENT OF CEMENT PLUGS

- The Balance Method
- The Dump Bailer Method
- The Two-Plug Method
- 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	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE
28"	94.62	20	20	28"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

Size of Hole or Pipe in which Plug Will Be Placed (inche:

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

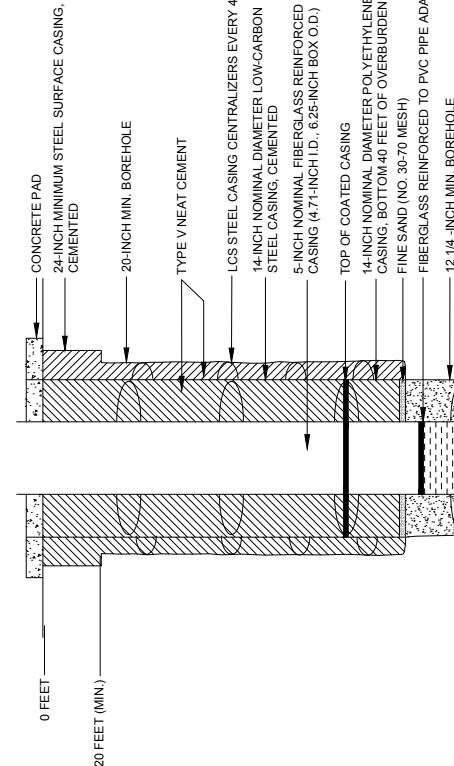
Date Signed

10/01/2014

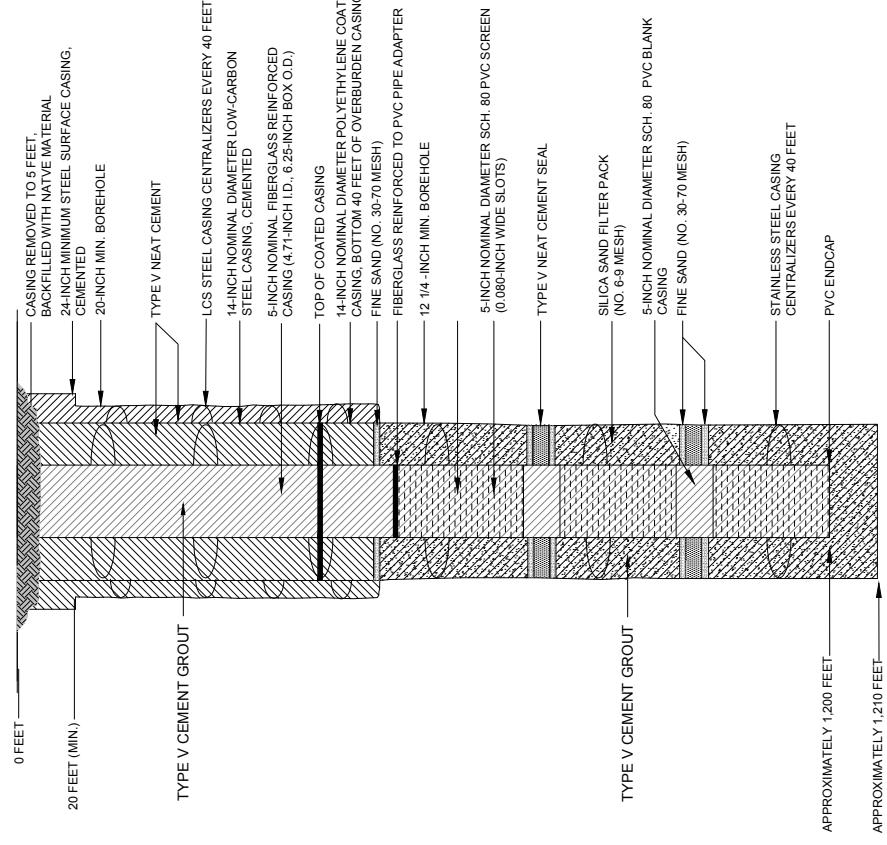
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

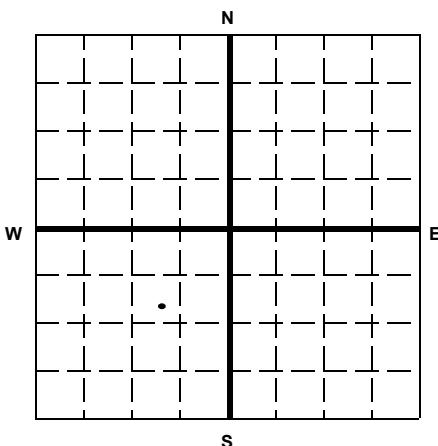
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 Other

CEMENTING TO PLUG AND ABANDON DATA:

PLUG #1

PLUG #2

PLUG #3

PLUG #4¹

PLUG #5¹

PLUG #6

PLUG #7

Size of Hole or Pipe in which Plug Will Be Placed (inche:

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

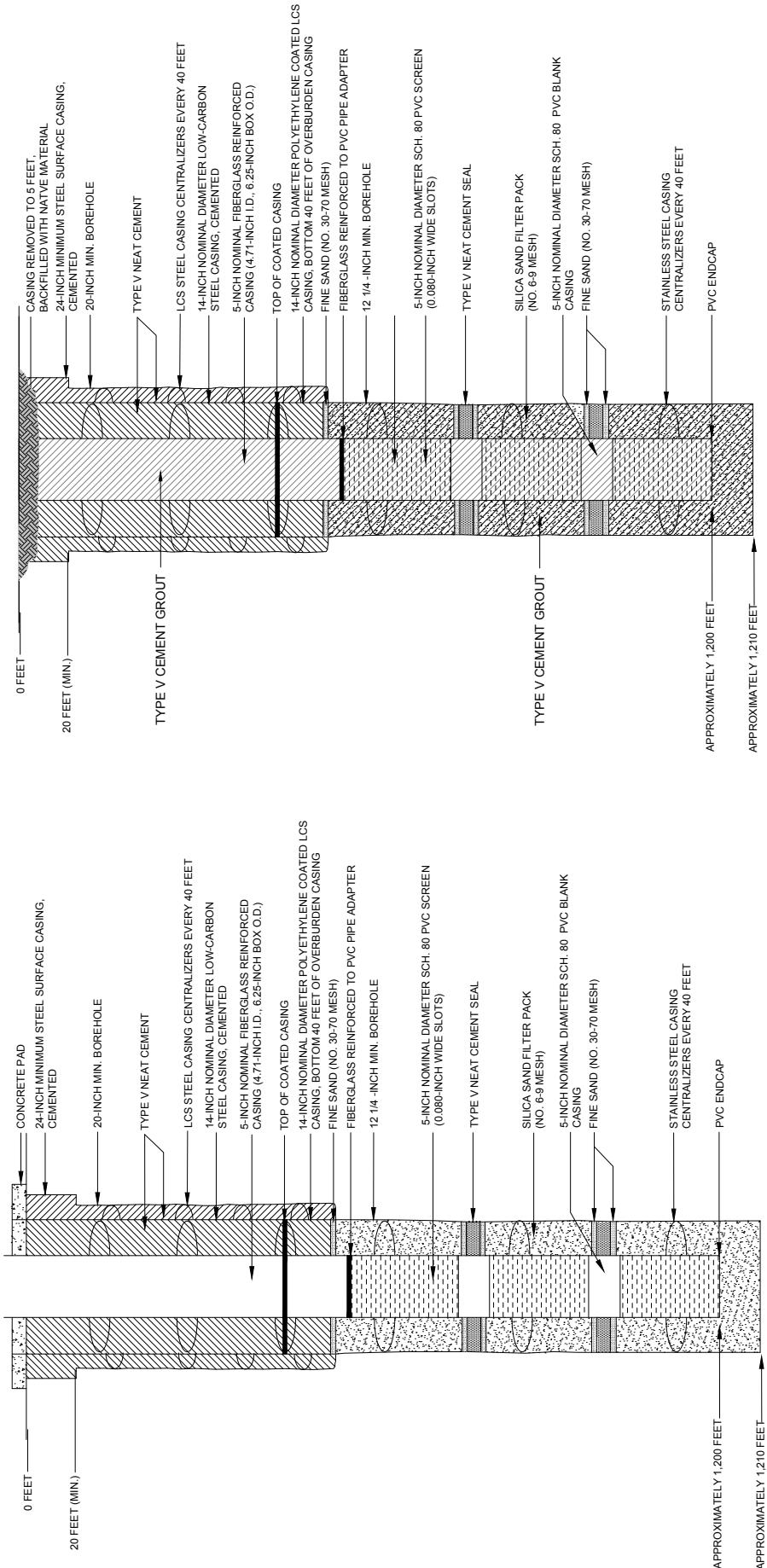
10/01/2014

Drawing Number: G-39706-CURTIS FEASIBILITY DRAWINGS
Plot Date: 30/03/2014
Plot ID: 1
Drawing Layout: A1
Drawing Title: APPITI PLUGGING 3/387-000-000-INJECTION_RECOVERY WELL _3-SCREENS DWG
Drawing Description: APPITI PLUGGING 3/387-000-000-INJECTION_RECOVERY WELL _3-SCREENS DWG
Drawing Author: CANDREVA, LAUREN
Drawing Owner: APPITI PLUGGING 3/387-000-000-INJECTION_RECOVERY WELL _3-SCREENS DWG
Drawing Status: CURTIS FEASIBILITY DRAWINGS
Drawing Type: APPITI PLUGGING 3/387-000-000-INJECTION_RECOVERY WELL _3-SCREENS DWG

**PROPOSED DESIGN
INJECTION AND RECOVERY WELL**

**PROPOSED PLUGGING AND
ABANDONMENT**

INJECTION AND RECOVERY WELL



FLORENCE COPPER, INC.
FLORENCE, ARIZONA

HALEY &
ALDRICH

TYPICAL PROPOSED INJECTION AND RECOVERY WELL ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

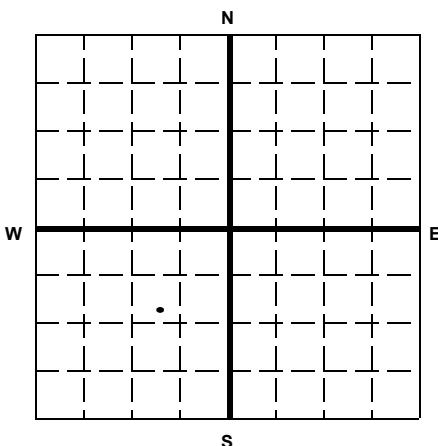
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

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 (inche:

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

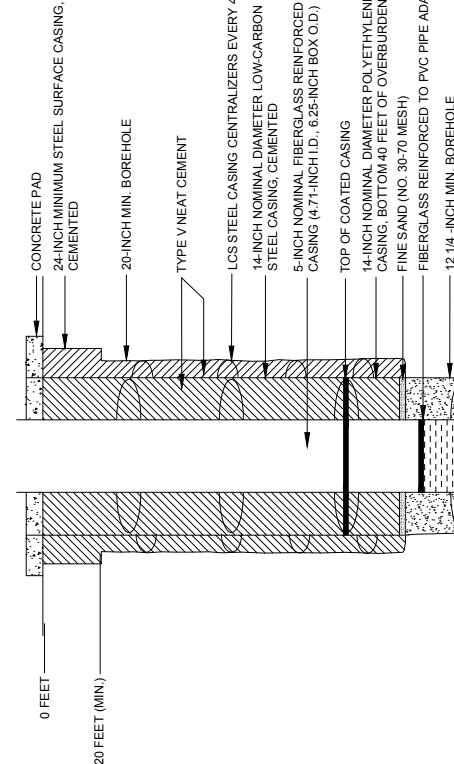
Date Signed

10/01/2014

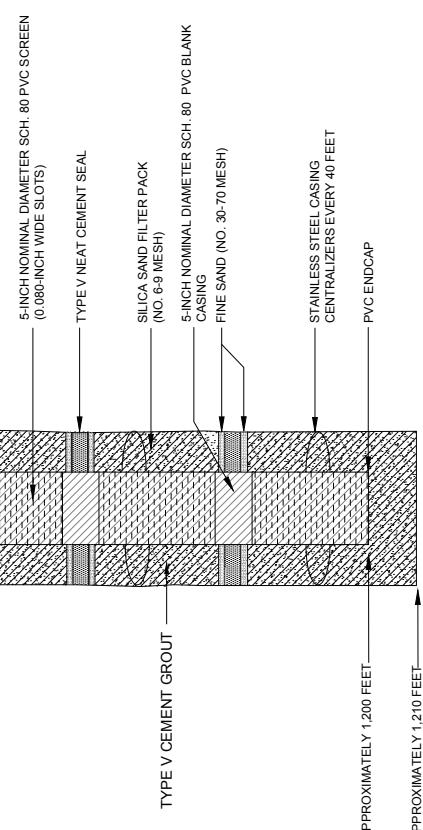
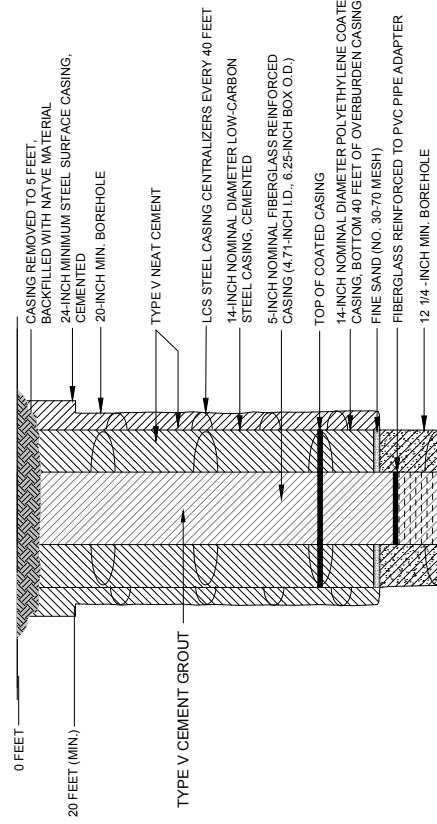
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1

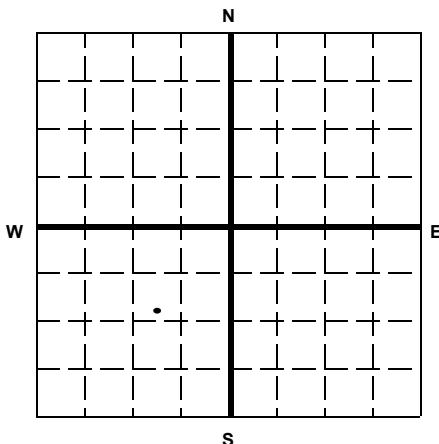
United States Environmental Protection Agency
Washington, DC 20460

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 85132Locate 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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

 The Balance Method The Dump Bailer Method The Two-Plug Method 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 (inche

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

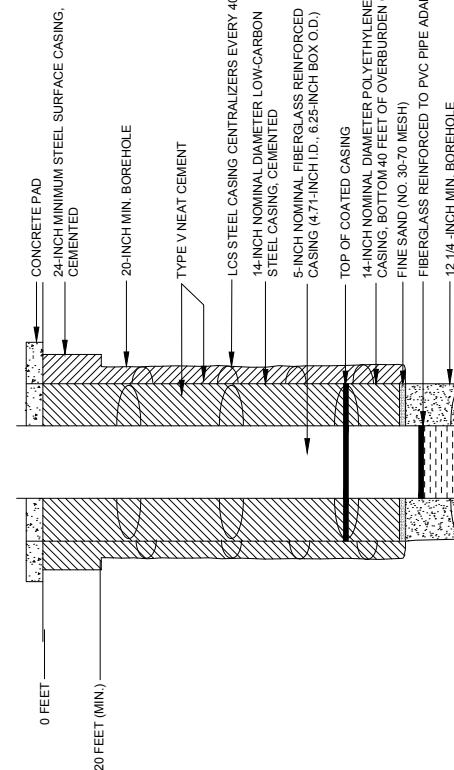
Date Signed

10/01/2014

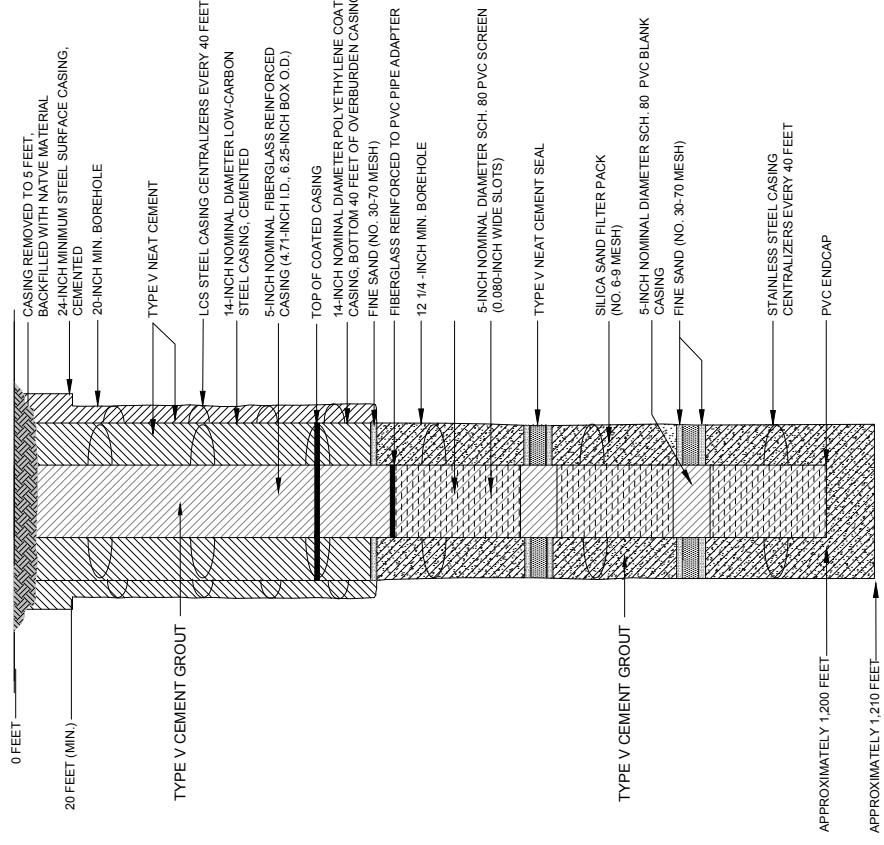
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

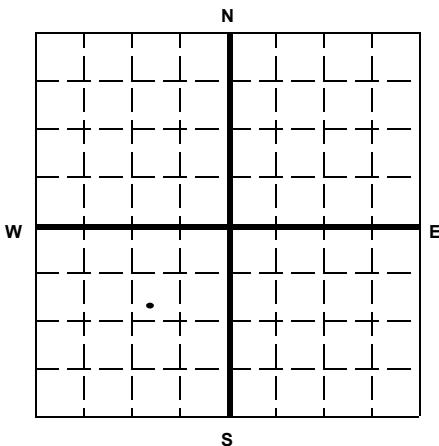
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

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 (inche:

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

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

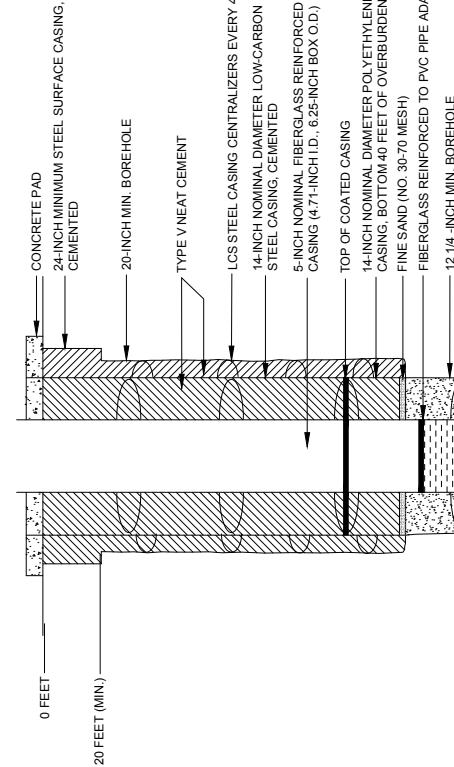
Date Signed

10/01/2014

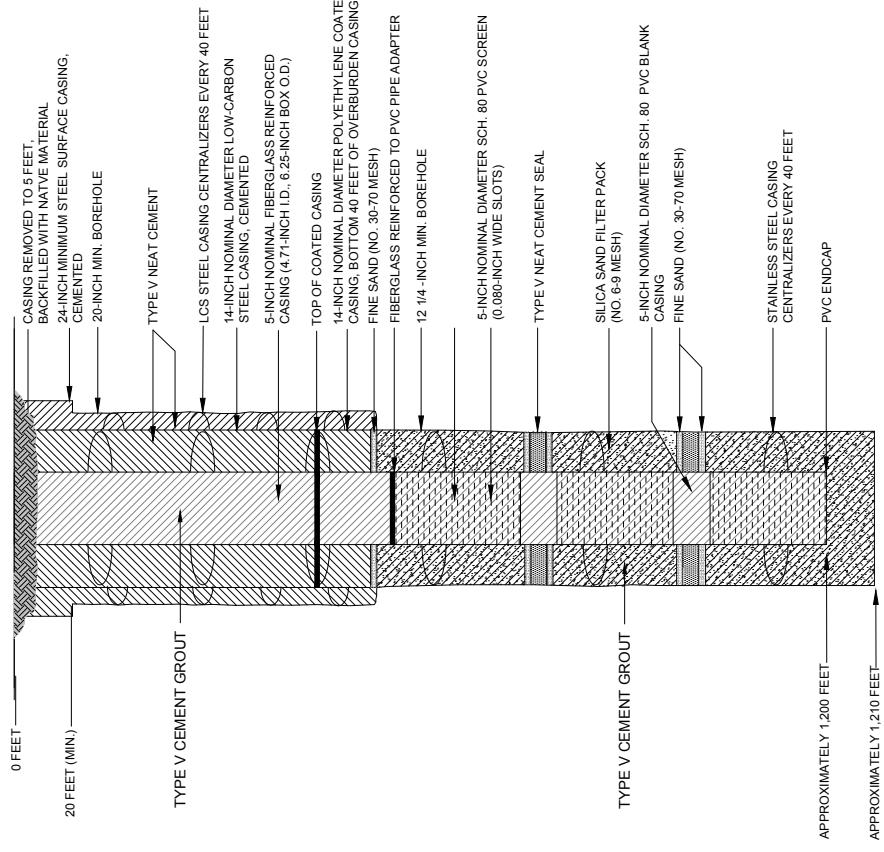
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

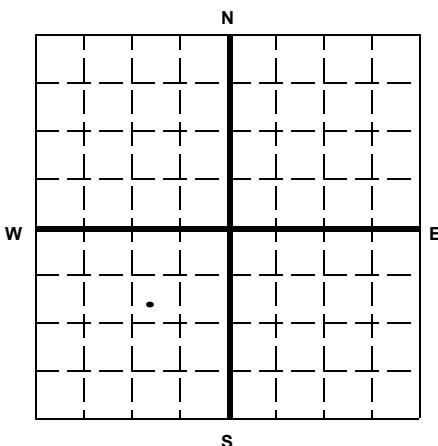
Name and Address of Facility

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

- Individual Permit
- Area Permit
- Rule

Number of Wells 1

WELL ACTIVITY

- CLASS I
- CLASS II
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage
- CLASS III

Lease Name NA

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"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

The Balance Method

The Dump Bailer Method

The Two-Plug Method

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 (inche:

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

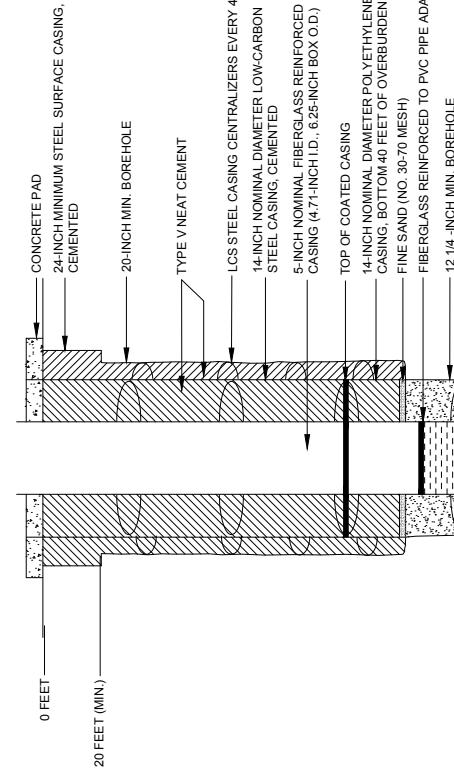
Date Signed

10/01/2014

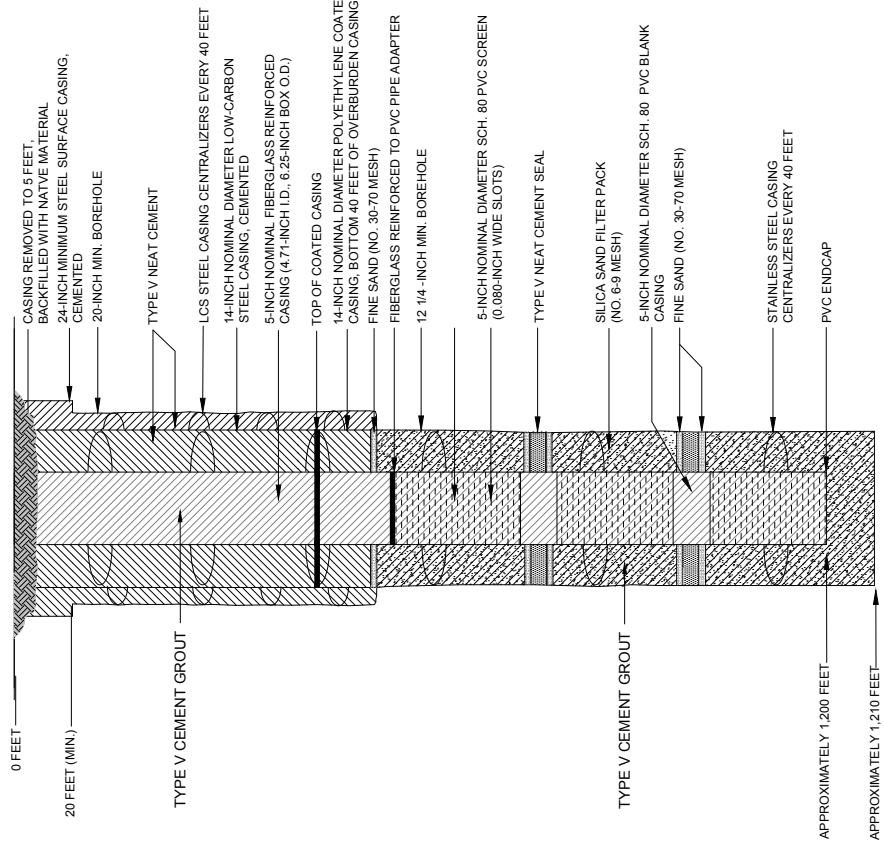
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

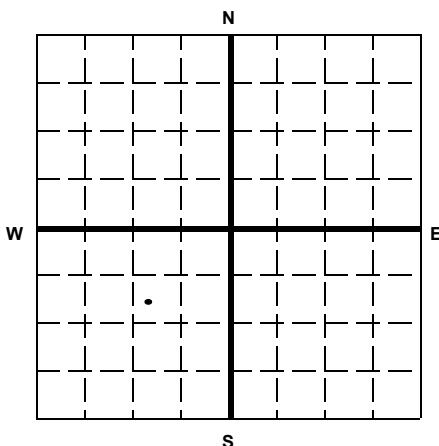
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
14"	45.68	490	490	20"
5"	5.61	510	510	14"
5"	3	690	690	12.25"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

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 (inche:

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

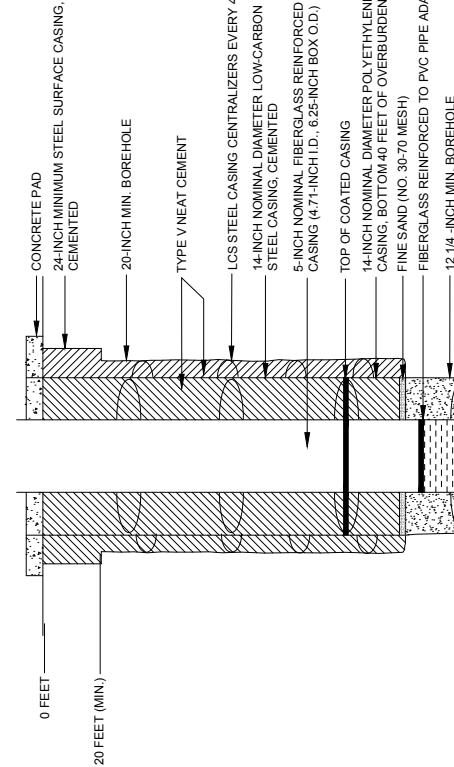
Date Signed

10/01/2014

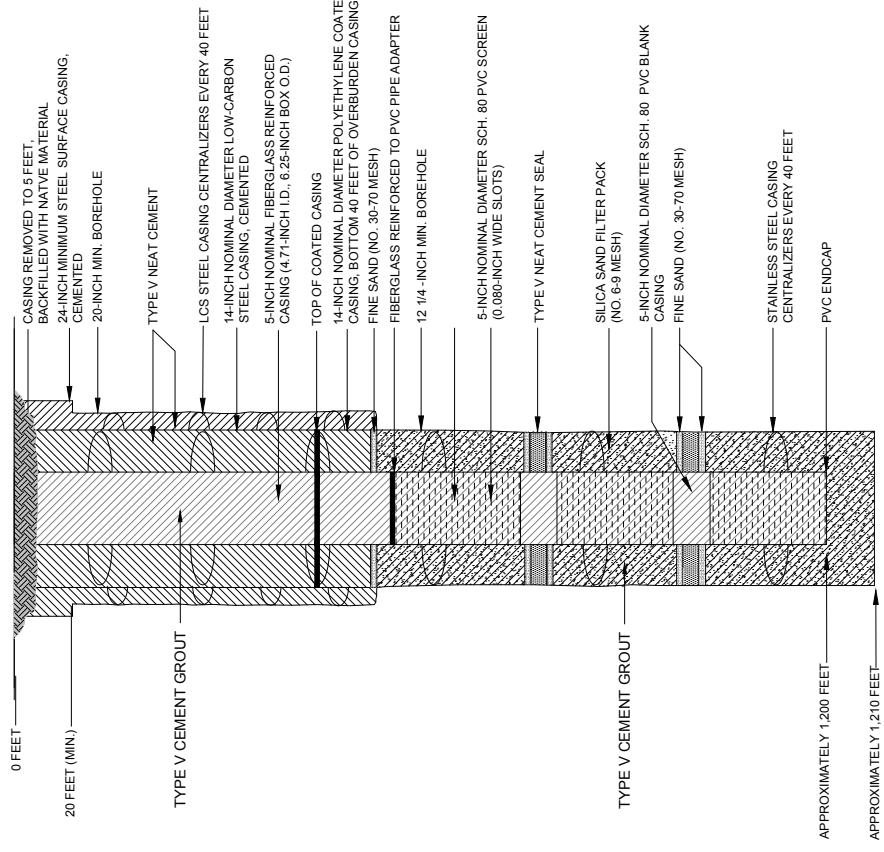
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC_APP\PITF PLUGGING\38706-300-000-INJECTION_RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED DESIGN INJECTION AND RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

**TYPICAL PROPOSED INJECTION
AND RECOVERY WELL
ABANDONMENT SCHEMATIC**

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1

United States Environmental Protection Agency
Washington, DC 20460

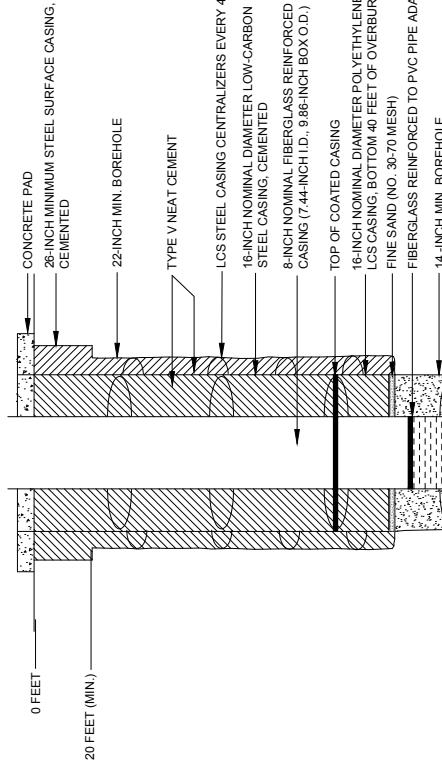
PLUGGING AND ABANDONMENT PLAN

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 <input type="text" value="Arizona"/> County <input type="text" value="Pinal"/> Permit Number <input type="text" value="AZ396000001"/> Surface Location Description <input type="text" value="SW 1/4 of SW 1/4 of NE 1/4 of SW 1/4 of"/> Section <input type="text" value="28"/> Township <input type="text" value="4S"/> Range <input type="text" value="9E"/> Locate well in two directions from nearest lines of quarter section and drilling unit Surface Location <input type="text" value="1080 ft. frm (N/S)"/> <input type="text" value="N"/> Line of quarter section and <input type="text" value="1135 ft. from (E/W)"/> <input type="text" value="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 <input type="text" value="1"/> Lease Name <input type="text" value="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 <input type="text" value="R-09"/>																									
CASING AND TUBING RECORD AFTER PLUGGING <table border="1"> <thead> <tr> <th>SIZE</th> <th>WT (LB/FT)</th> <th>TO BE PUT IN WELL (FT)</th> <th>TO BE LEFT IN WELL (FT)</th> <th>HOLE SIZE</th> </tr> </thead> <tbody> <tr> <td>26"</td> <td>102.6</td> <td>20</td> <td>20</td> <td>28"</td> </tr> <tr> <td>16"</td> <td>52.6</td> <td>490</td> <td>490</td> <td>20"</td> </tr> <tr> <td>8"</td> <td>8.2</td> <td>510</td> <td>510</td> <td>14"</td> </tr> <tr> <td>8"</td> <td>8</td> <td>690</td> <td>690</td> <td>12.25"</td> </tr> </tbody> </table>				SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE	26"	102.6	20	20	28"	16"	52.6	490	490	20"	8"	8.2	510	510	14"	8"	8	690	690	12.25"
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METHOD OF EMPLACEMENT OF CEMENT PLUGS <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: Size of Hole or Pipe in which Plug Will Be Placed (inche: <input type="text" value="8"/> Depth to Bottom of Tubing or Drill Pipe (ft) <input type="text" value="1200"/> Sacks of Cement To Be Used (each plug) <input type="text" value="329"/> Slurry Volume To Be Pumped (cu. ft.) <input type="text" value="419"/> Calculated Top of Plug (ft.) <input type="text" value="0"/> Measured Top of Plug (if tagged ft.) <input type="text" value="NA"/> Slurry Wt. (Lb./Gal.) <input type="text" value="15.4"/> Type Cement or Other Material (Class III) <input type="text" value="V"/>																												
LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any) <table border="1"> <thead> <tr> <th>From</th> <th>To</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>520</td> <td>720</td> <td></td> <td></td> </tr> <tr> <td>760</td> <td>960</td> <td></td> <td></td> </tr> <tr> <td>1000</td> <td>1200</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				From	To	From	To	520	720			760	960			1000	1200											
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Estimated Cost to Plug Wells <input type="text" value="\$12,500 - abandonment costs"/>																												
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Name and Official Title (Please type or print) <input type="text" value="Dan Johnson, VP Environmental and Technical Services"/>		Signature 	Date Signed <input type="text" value="10/01/2014"/>																									

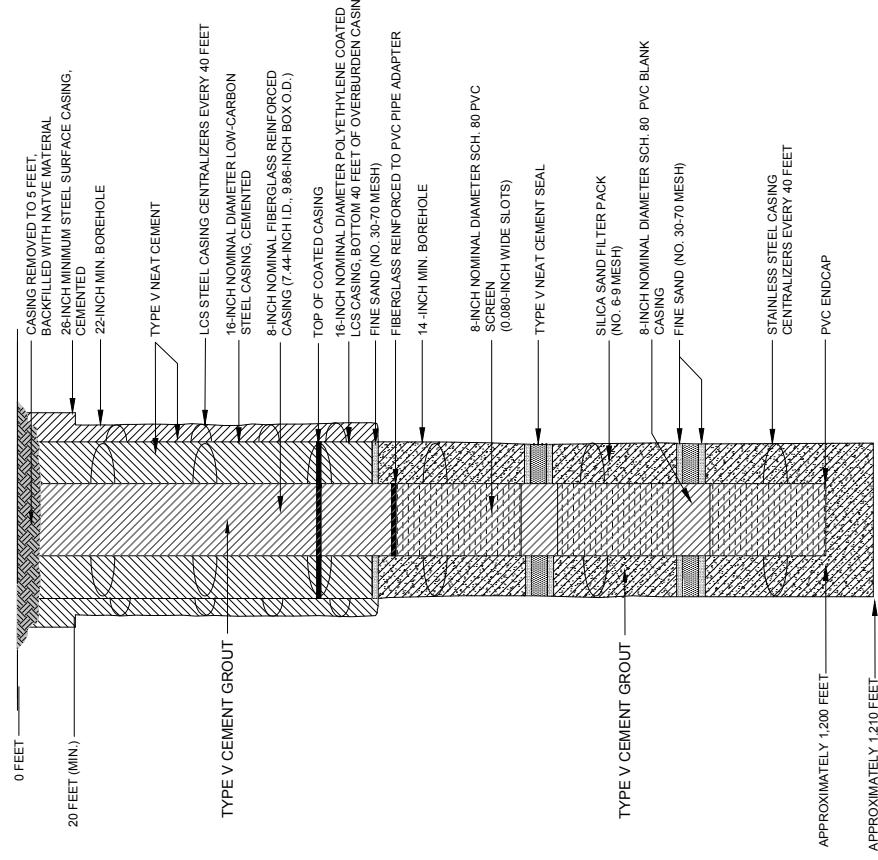
US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-CENTER-RECOVERY WELL_3SCREENS.DWG
 Operator Name: ANDREA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: Option A-1

PROPOSED WELL DESIGN R-09 CENTRAL RECOVERY WELL



PROPOSED PLUGGING AND ABANDONMENT R-09 CENTRAL RECOVERY WELL



HALEY & ALDRICH

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

R-09 CENTRAL RECOVERY
PROPOSED WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

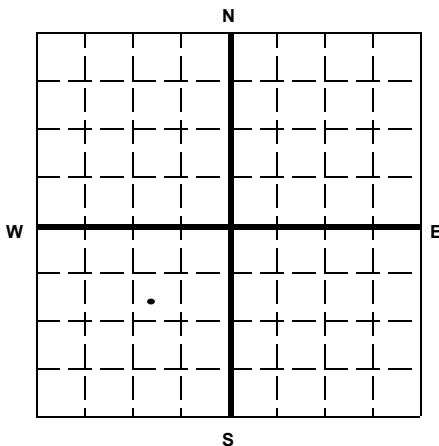
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
4"	5.61	510	510	10"
4"	2	690	690	10"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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

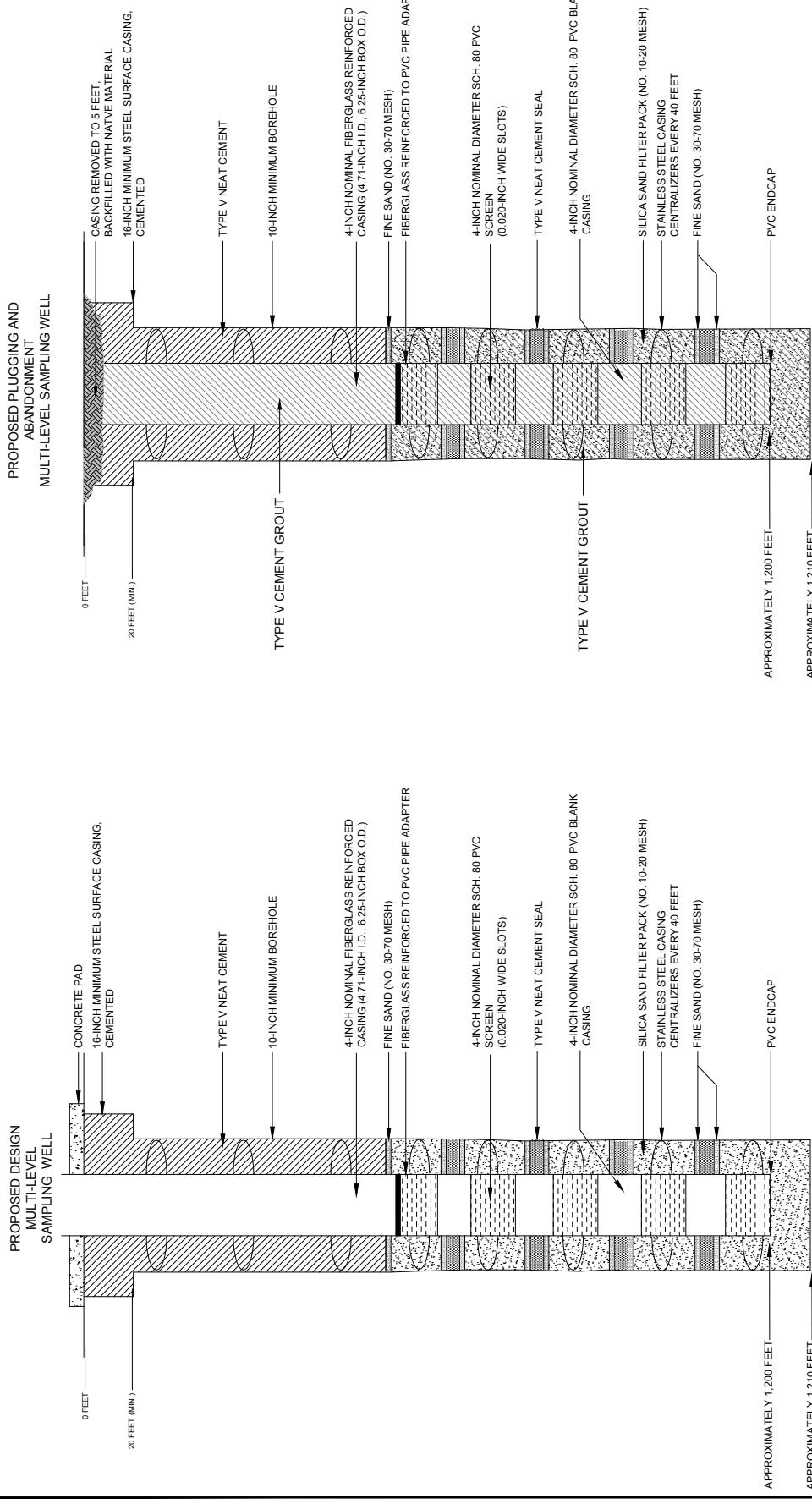
Signature

Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-WESTBAY_WELL_CONSTRUCTION DIAGRAM.DWG
 Operator Name: ANDREVA LAUREN
 Plot Date: September 30, 2014
 Drawing Layout: HA.FIG-A.L



HALEY & ALDRICH

FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

MULTI-LEVEL SAMPLING
PROPOSED WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

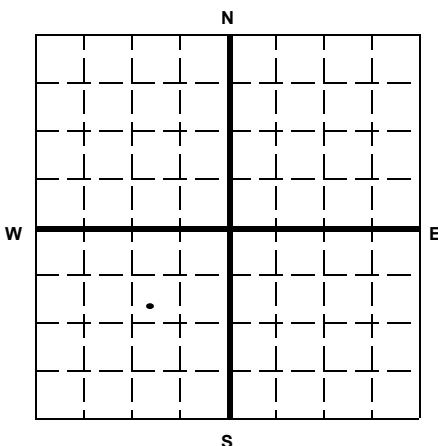
Name and Address of Facility

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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

Lease Name NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 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"
4"	5.61	510	510	10"
4"	2	690	690	10"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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

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

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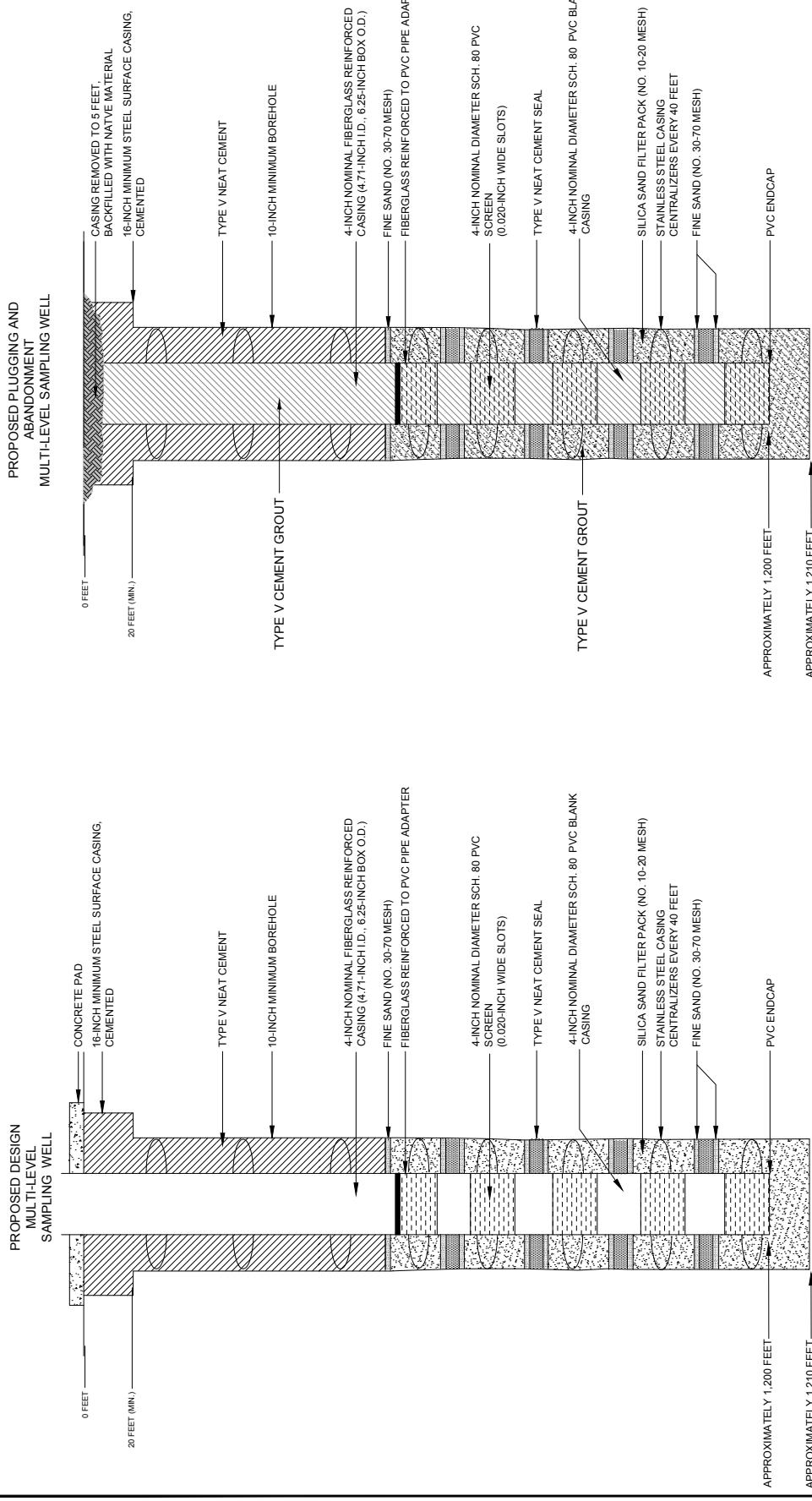
Signature

Date Signed

10/01/2014

US EPA ARCHIVE DOCUMENT

Drawing Name: G:\PROJECTS\CURIS RESOURCES\38706-CURIS FEASIBILITY\DRAWINGS\JULY 2014 UIC APP\PTF PLUGGING\38706-300-000-WESTBAY_WELL_CONSTRUCTION DIAGRAM.DWG
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HALEY & ALDRICH

FLORENCE COPPER, INC.
 FLORENCE, ARIZONA

MULTI-LEVEL SAMPLING PROPOSED WELL ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
 AUGUST 2014

FIGURE 1

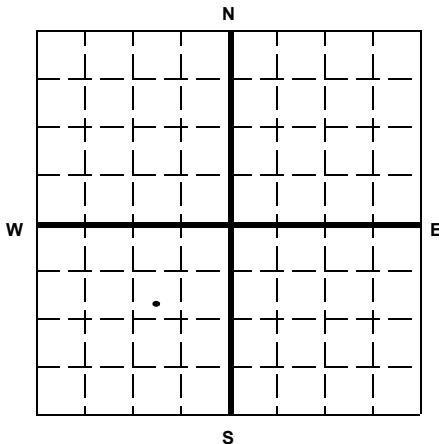
United States Environmental Protection Agency
Washington, DC 20460

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 85132Locate 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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

NA

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 CLASS III

Well Number WB-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
16"	31.66	20	20	20"
4"	5.61	510	510	10"
4"	2	690	690	10"

 The Balance Method The Dump Bailer Method The Two-Plug Method 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)

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

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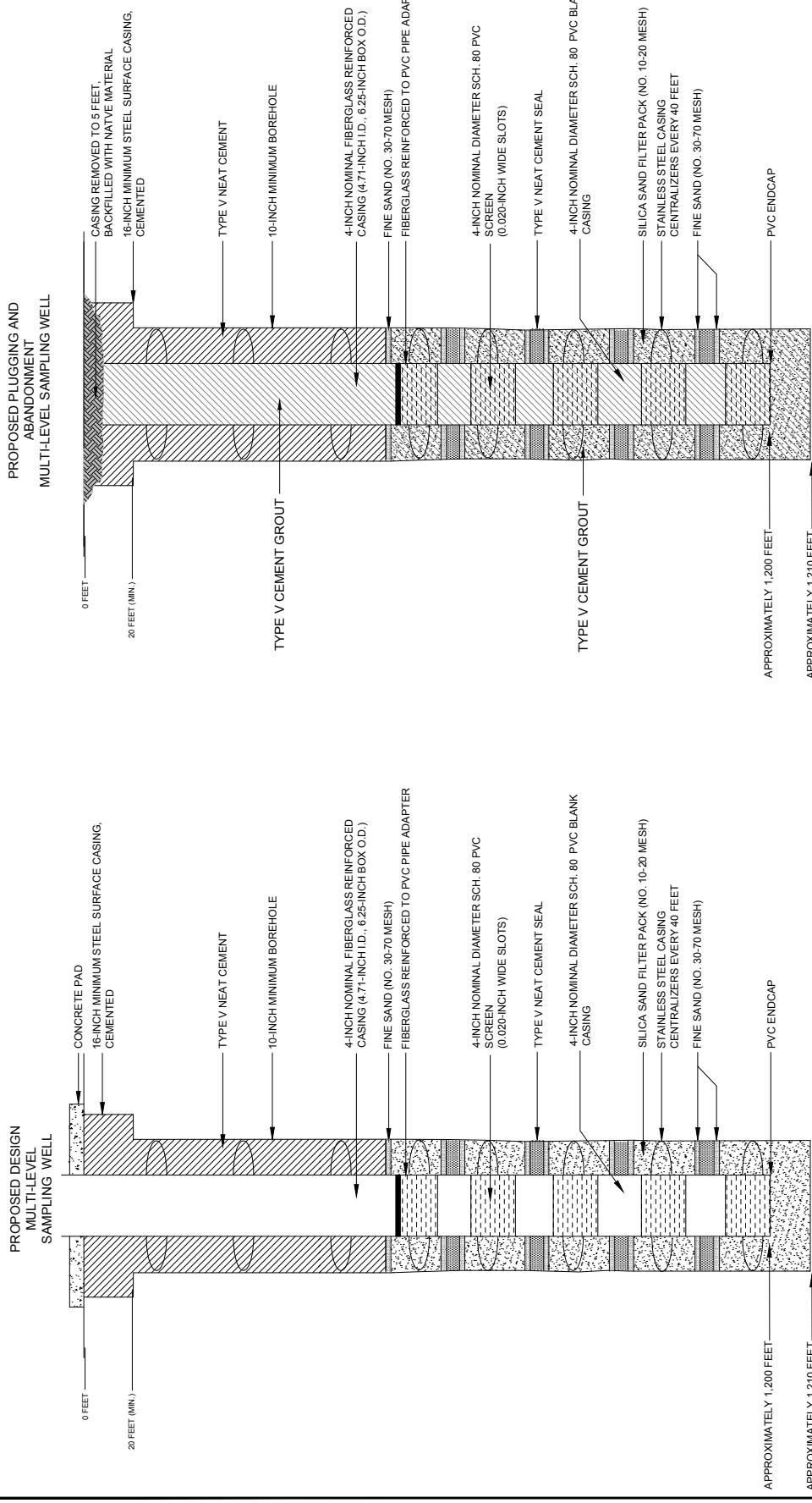
Signature

Date Signed

10/01/2014

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**HALEY &
ALDRICH**

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

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

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1



United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

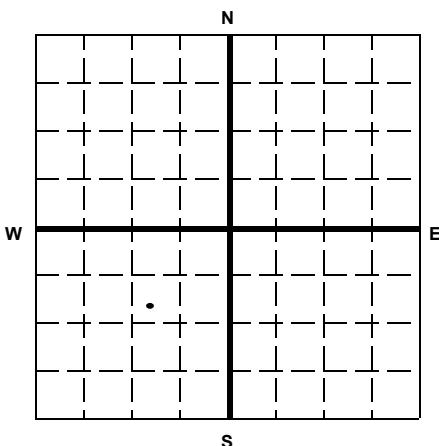
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Name and Address of Owner/Operator

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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

- Individual Permit
 Area Permit
 Rule

Number of Wells 1

WELL ACTIVITY

- CLASS I
 CLASS II
 Brine Disposal
 Enhanced Recovery
 Hydrocarbon Storage
 CLASS III

Lease Name NA

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"
4"	5.61	510	510	20"
4"	2	690	690	10"

 The Balance Method

 The Dump Bailer Method

 The Two-Plug Method

 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)

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

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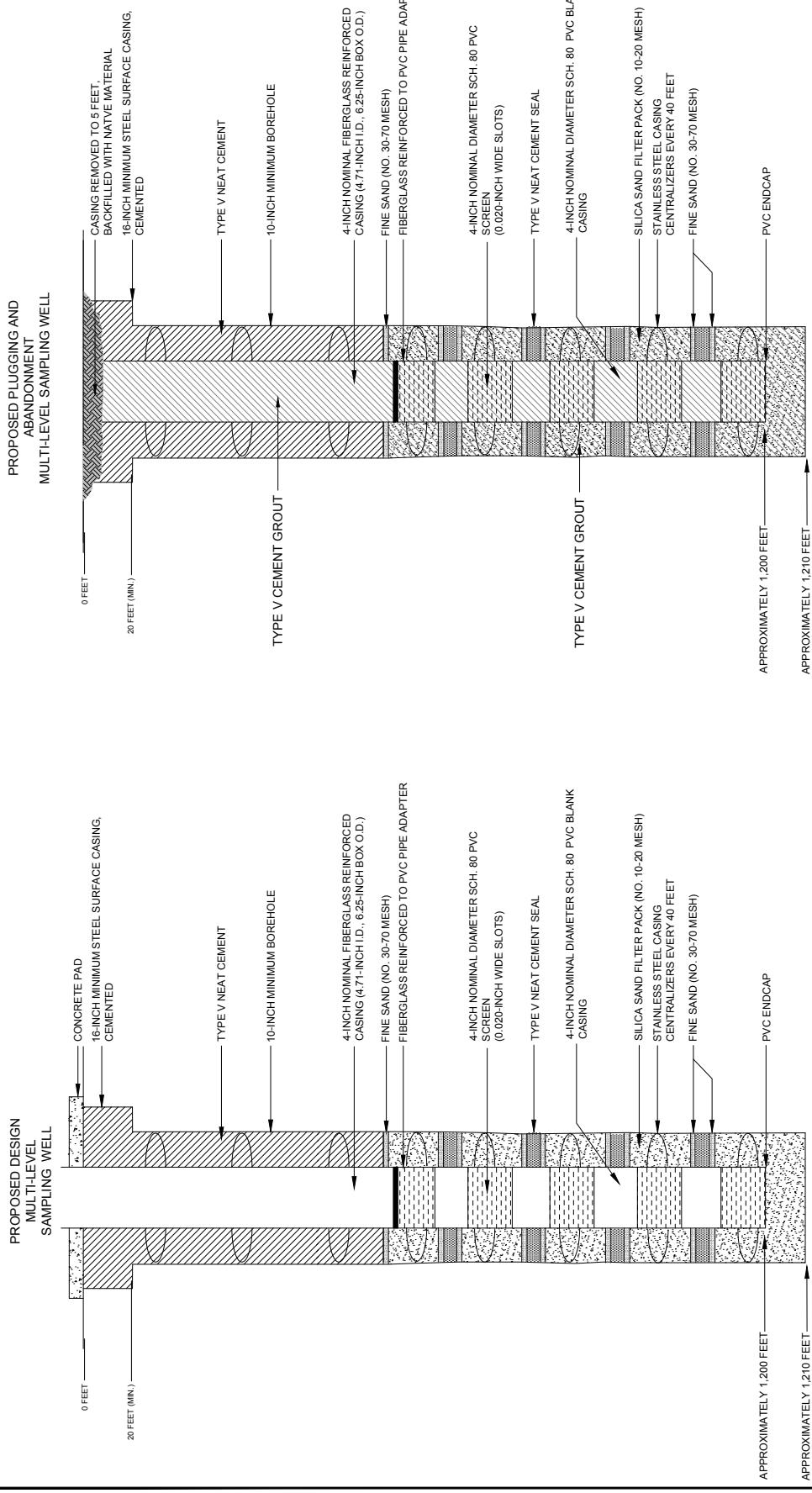
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 FLORENCE, ARIZONA

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PROPOSED WELL
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FIGURE 1