APPENDIX F – Closure and Post-Closure Plans
Exhibit Q-2

Closure and Post-Closure Plan
FLORENCE COPPER, INC.
UIC PERMIT APPLICATION
FLORENCE COPPER PROJECT – PRODUCTION TEST FACILITY

EXHIBIT Q-2 – CLOSURE AND POST-CLOSURE PLANS
**Table of Contents**

Table of Contents ................................................................................................................................. 1

1  Introduction ........................................................................................................................................ 2
   1.1 Background ............................................................................................................................... 2
   1.2 PTF Description ...................................................................................................................... 2
   1.3 Existing Facilities .................................................................................................................... 3
   1.4 Closure Objective ...................................................................................................................... 3

2  Description of Closure Activities .................................................................................................. 4
   2.1 Closure Activities in the PTF Well Field ................................................................................... 4
      2.1.1 Groundwater Restoration Process .................................................................................. 4
      2.1.2 Well Closure .................................................................................................................... 5
      2.1.3 Closure of Surface Facilities ............................................................................................ 5
   2.2 Materials Management ............................................................................................................ 6
   2.3 Soil Management .................................................................................................................... 6
   2.4 Closure Monitoring ................................................................................................................ 7
   2.5 Post-Closure Monitoring ......................................................................................................... 7

3  Closure/Post-Closure Schedules .................................................................................................. 7
   3.1 Closure Schedules .................................................................................................................... 7
   3.2 Post-Closure Monitoring Schedule ........................................................................................ 8

4  Closure/Post-Closure Cost Estimates ........................................................................................... 9
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 as 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 announce their decisions. If ADEQ’s and USEPA’s decision involves continuation of the monitoring program for the next five-year period, or portion thereof, FCI will adjust the cost estimates to reflect estimated costs for implementing that decision, and will adjust the financial assurance required for the period covered by ADEQ’s and USEPA’s decision.
During POC monitoring events, visual inspection of surface facilities will be conducted. Inspections will include, as appropriate, POC wells, signage, fences, re-vegetated areas, and storm water control measures. Conditions noted during inspections will be documented using inspection forms. Photographs and written reports will be used to document completion of indicated repairs. Repairs will be performed as indicated by the inspection monitoring program and will be documented in quarterly reports submitted to ADEQ and USEPA. FCI will submit a notice and report, with documentation, in accordance with the requirements of A.A.C. R18-9-A209(C) within 30 days following completion of the post-closure plan.

4 Closure/Post-Closure Cost Estimates

Attachment R of the updated UIC application includes closure and post-closure cost estimates for the PTF. Although the piping and lining may be recycled, the closure cost estimates reflect the estimated cost of disposing of the material in an appropriately licensed landfill. The post-closure costs included in Attachment R assume that the seven POC wells and seven supplemental monitoring wells will be monitored for five years and that the ADEQ and USEPA will agree that post-closure monitoring for purpose of the temporary APP and UIC Permit will not be required beyond the fifth year. At the expiration of the post-closure requirements, all POC wells except M54-O and M54-LBF would remain in service for POC monitoring as required by APP No. 101704 and UIC Permit No. AZ396000001. The supplemental monitoring wells and wells M54-O and M54-LBF are not currently included as POC wells or supplemental monitoring wells in those permits and are within the PMA established by APP No. 101704. If commercial operations proceed following completion of PTF operations, the supplemental monitoring wells and wells M54-LBF and M54-O will be plugged and abandoned because they are located within the mineralized area that will be mined during commercial operations. If ADEQ and USEPA require an extension of the five-year post-closure monitoring, FCI will submit to ADEQ and USEPA estimated costs of conducting the additional post-closure monitoring and will submit appropriate financial assurance.
Exhibit Q-4
EPA Forms 7520-14, Plugging and Abandonment Plans for Class III Wells
BHP WELLS
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

Name and Address of Facility

Florence Copper, Inc.
1575 W Hunt Hwy, Florence, AZ 85132

Name and Address of Owner/Operator

Locate Well and Outline Unit on Section Plat - 640 Acres

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. from (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

Lease Name

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>20</td>
<td>20</td>
<td>unknown</td>
<td></td>
</tr>
<tr>
<td>8&quot;</td>
<td>403</td>
<td>403</td>
<td>12.75</td>
<td></td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>360</td>
<td>360</td>
<td>5.25</td>
<td></td>
</tr>
</tbody>
</table>

METHOD OF EMBEDMEN OF CEMENT PLUGS

☐ The Balance Method
☐ The Dump Bailier Method
☐ The Two-Plug Method
☐ Other

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inches):</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.875</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Depth to Bottom of Tubing or Drill Pipe (ft)                 | 740     | 403     |         |         |         |         |         |

| Sacks of Cement To Be Used (each plug)                      | 50      | 110     |         |         |         |         |         |

| Slurry Volume To Be Pumped (cu. ft.)                        | 63      | 141     |         |         |         |         |         |

| Calculated Top of Plug (ft.)                                | 403     | 0       |         |         |         |         |         |

| Measured Top of Plug (if tagged ft.)                        | NA      | NA      |         |         |         |         |         |

| Slurry Wt. (Lb./Gal.)                                      | 15.4    | 15.4    |         |         |         |         |         |

| Type Cement or Other Material (Class III)                   | Type V  | Type V  |         |         |         |         |         |

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1403</td>
<td>740</td>
</tr>
</tbody>
</table>

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

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.
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 borehole. 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 borehole. 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 borehole as is practicable.
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

N

W

S

E

Surface Location Description
NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface
Location 335 ft. frm (N/S) S Line of quarter section
and 485 ft. from (E/W) W Line of quarter section.

TYPE OF AUTHORIZATION
☐ Individual Permit
☑ Area Permit
☐ Rule

Number of Wells ___

Lease Name NA

WELL ACTIVITY

☑ The Balance Method
☐ The Dump Bailier Method
☐ The Two-Plug Method
☐ Other

Well Number BHP-2

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>20</td>
<td>20</td>
<td>unknown</td>
<td></td>
</tr>
<tr>
<td>8&quot;</td>
<td>408</td>
<td>408</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>4&quot;</td>
<td>480</td>
<td>480</td>
<td>5.875</td>
<td></td>
</tr>
</tbody>
</table>

METHOD OF EMBOLACEMENT OF CEMENT PLUGS

☐ Type V

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.875</td>
<td>7.75</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth to Bottom of Tubing or Drill Pipe (ft)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>770</td>
<td>496</td>
<td>408</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sacks of Cement To Be Used (each plug)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>23</td>
<td>112</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Volume To Be Pumped (cu. ft.)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td>29</td>
<td>142</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calculated Top of Plug (ft.)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>496</td>
<td>408</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Top of Plug (if tagged ft.)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Wt. (Lb./Gal.)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.4</td>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type Cement or Other Material (Class III)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type V</td>
<td>Type V</td>
<td>Type V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1496</td>
<td>770</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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
- Location 440 ft. (N/S) S Line of quarter section
- Location 385 ft. (E/W) W Line of quarter section

### Type of Authorization
- Individual Permit
- Area Permit
- Rule

### Number of Wells

### Lease Name

### Well Activity
- The Balance Method
- The Dump Bailer Method
- The Two-Plug Method
- Other

### Casing and Tubing Record After Plugging

<table>
<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&quot;</td>
<td></td>
<td>20</td>
<td>20</td>
<td>unknown</td>
</tr>
<tr>
<td>8&quot;</td>
<td></td>
<td>403</td>
<td>403</td>
<td>12.25</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td></td>
<td>860</td>
<td>457</td>
<td>5.875</td>
</tr>
</tbody>
</table>

### Method of Emplacement of Cement Plugs
- Type V
- Type V

### Cementing to Plug and Abandon Data:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>Plug #1</th>
<th>Plug #2</th>
<th>Plug #3</th>
<th>Plug #4</th>
<th>Plug #5</th>
<th>Plug #6</th>
<th>Plug #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.875</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Depth to Bottom of Tubing or Drill Pipe (ft)
- 860
- 403
- 68
- 110

### Sacks of Cement To Be Used (each plug)
- 86
- 141
- 403
- 0

### Calculated Top of Plug (ft.)
- NA
- NA

### Measured Top of Plug (if tagged ft.)
- 15.4
- 15.4

### Slurry Wt. (Lb./Gal.)
- Type V
- Type V

### List all open hole and/or perforated intervals and intervals where casing will be varied (if any)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1403</td>
<td>860</td>
</tr>
</tbody>
</table>

### 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
Dan Johnson, VP Environmental and Technical Services

### Signature

### Date Signed
08/06/2014
NOTES:

1. Well design details are based on BHP records.

2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 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.
PLUGGING AND ABANDONMENT PLAN

Locate Well and Outline Unit on Section Plat - 640 Acres

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. from (N/S) S Line of quarter section
and 385 ft. from (E/W) W Line of quarter section.

TYPE OF AUTHORIZATION

☒ Individual Permit
☐ Area Permit
☐ Rule

Number of Wells [ ]

Lease Name

NA

WELL ACTIVITY

☒ The Balance Method
☐ The Dump Bailier Method
☐ The Two-Plug Method
☐ Other

METHOD OF EMPLEMENTMENT OF CEMENT PLUGS

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

Hole Size

Depth to Bottom of Tubing or Drill Pipe (ft):

Slack Volume To Be Pumped (cu. ft.):

Slack Volume To Be Pumped (cu. ft.):

Calculated Top of Plug (ft.):

339 0

CAUTION:

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  742  To

From  1403  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
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.
PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

State
Arizona
County
Pinal

Permit Number
AZ396000001

Locate Well and Outline Unit on Section Plat - 640 Acres

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
Location 340 ft. frm (N/S)
Line of quarter section
and 385 ft. from (E/W)
Line of quarter section.

TYPE OF AUTHORIZATION

☐ Individual Permit
☑ Area Permit
☐ Rule

Number of Wells

Lease Name
NA

WELL ACTIVITY

☑ The Balance Method
☐ The Dump Bail Method
☐ The Two-Plug Method
☐ Other

METHOD OF EMBLACEMENT OF CEMENT PLUGS

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

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>20</td>
<td>20</td>
<td>12.25 unknown</td>
<td></td>
</tr>
<tr>
<td>8&quot;</td>
<td>403</td>
<td>403</td>
<td>5.875</td>
<td></td>
</tr>
<tr>
<td>4&quot;</td>
<td>401</td>
<td>401</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.125</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>110</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>141</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>403</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type Cement or Other Material (Class III)

<table>
<thead>
<tr>
<th>Type of Material (Class III)</th>
<th>Type V</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1403</td>
<td>776</td>
</tr>
</tbody>
</table>

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

EPA Form 7520-14 (Rev. 12-11)
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.
PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

State
Arizona
County
Pinal

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

Location 385 ft. from (N/S) S Line of quarter section
and 385 ft. from (E/W) W Line of quarter section.

NAME
NA

Lease Name

NUMBER
BHP-6

WELL ACTIVITY

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

SIZE
12"
7"
1.5"

WT (LB/FT)
20
415
420

TO BE PUT IN WELL (FT)
20
415
420

TO BE LEFT IN WELL (FT)
unknown

HOLE SIZE

CEMENTING TO PLUG AND ABANDON DATA:

Size of Hole or Pipe in which Plug Will Be Placed (inches):
5.25

Depth to Bottom of Tubing or Drill Pipe (ft)
770
410

Sacks of Cement To Be Used (each plug)
42

Slurry Volume To Be Pumped (cu. ft.)
54
110

Calculated Top of Plug (ft.)
410
0

Measured Top of Plug (if tagged ft.)
NA
NA

Slurry Wt. (Lb./Gal.)

Type of Cement or Other Material (Class III)
Type V
Type V

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

From
To
From
To
410
805

Estimated Cost to Plug Wells
$8,800

Certification

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

Name and Official Title (Please type or print)
Dan Johnson, VP Environmental and Technical Services

Signature

Date Signed
08/06/2014

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

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. from (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

Lease Name

NA

Well Number

BHP-7

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>20</td>
<td>20</td>
<td></td>
<td>unknown</td>
</tr>
<tr>
<td>7&quot;</td>
<td>410</td>
<td>410</td>
<td></td>
<td>10.625</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>360</td>
<td>360</td>
<td></td>
<td>5.25</td>
</tr>
</tbody>
</table>

METHOD OFEMPLACEMENT OFCEMENT PLUGS

☐ The Balance Method
☐ The Dump Bailer Method
☐ The Two-Plug Method
☐ Other

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth to Bottom of Tubing or Drill Pipe (ft)</td>
<td>760</td>
<td>410</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sacks of Cement To Be Used (each plug)</td>
<td>41</td>
<td>86</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slurry Volume To Be Pumped (cu. ft.)</td>
<td>53</td>
<td>110</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculated Top of Plug (ft.)</td>
<td>410</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measured Top of Plug (if tagged ft.)</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slurry Wt. (Lb./Gal.)</td>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type Cement Or Other Material (Class III)</td>
<td>Type V</td>
<td>Type V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>410</td>
<td>760</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Estimated Cost to Plug Wells

$8,800

Certification

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

Name and Official Title (Please type or print)
Dan Johnson, VP Environmental and Technical Services

Signature

Date Signed
08/06/2014
NOTES:

1. Well design details are based on BHP records.

2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 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.
**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

**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**

**TYPE OF AUTHORIZATION**
- Individual Permit
- Area Permit
- Rule

**Number of Wells:** 1

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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&quot;</td>
<td>20</td>
<td>20</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>7&quot;</td>
<td>410</td>
<td>410</td>
<td>10.625</td>
<td></td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>380</td>
<td>380</td>
<td>5.25</td>
<td></td>
</tr>
</tbody>
</table>

**METHOD OF EMLACEMENT OF CEMENT PLUGS**
- The Balance Method
- The Dump Bailer Method
- The Two-Plug Method
- Other

**CEMENTING TO PLUG AND ABANDON DATA:**

- Size of Hole or Pipe in which Plug Will Be Placed (inch): 5.25
- Depth to Bottom of Tubing or Drill Pipe (ft): 740
- Sacks of Cement To Be Used (each plug): 39
- Slurry Volume To Be Pumped (cu. ft.): 50
- Calculated Top of Plug (ft.): 410
- Measured Top of Plug (if tagged ft.): NA
- Slurry Wt. (Lb./Gal.): 15.4
- 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)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>6410</td>
<td>780</td>
</tr>
</tbody>
</table>

**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**
Dan Johnson, VP Environmental and Technical Services

**Signature**

**Date Signed**  
08/06/2014

**EPA Form 7520-14**  
Rev. 12-11
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 borehole. 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 borehole. 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 liners, the tremie will be advanced outside the liner to a point as close to the bottom of the borehole as is practicable.
**Florence Copper Project**

1575 W Hunt Hwy, Florence, AZ 85132

**Florence Copper, Inc.**

1575 W Hunt Hwy, Florence, AZ 85132

- **State**: Arizona
- **County**: Pinal
- **Permit Number**: AZ396000001

---

**Surface Location Description**

- NE 1/4 of SW 1/4 of SW 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: 335 ft. from (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

**Lease Name**: NA

**Well Number**: BHP-9

---

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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>7”</td>
<td>unknown</td>
<td>410</td>
<td>410</td>
<td>10.625</td>
</tr>
<tr>
<td>1.5”</td>
<td>unknown</td>
<td>440</td>
<td>440</td>
<td>5.25</td>
</tr>
</tbody>
</table>

---

**METHOD OF EMBEDPLACEMENT OF CEMENT PLUGS**

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

---

**CEMENTING TO PLUG AND ABANDON DATA:**

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch):</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.25</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>840</td>
<td>410</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>86</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>110</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>410</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>410</td>
<td></td>
<td>840</td>
<td></td>
</tr>
</tbody>
</table>

---

**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**

[Signature]

**Date Signed**

08/06/2014

---

EPA Form 7520-14 (Rev. 12-11)
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.
**PLUGGING AND ABANDONMENT PLAN**

**Name and Address of Facility**
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

**State**
Arizona

**Locate Well and Outline Unit on**
Section Plat - 640 Acres

**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

**WELL ACTIVITY**
- Area Permit
- Individual Permit
- Rule

**METHOD OF EMPLACEMENT OF CEMENT PLUGS**
- The Balance Method
- The Dump Bail Method
- The Two-Plug Method
- Other

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>7&quot;</td>
<td>unknown</td>
<td>400</td>
<td>400</td>
<td>10.625</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>unknown</td>
<td>420</td>
<td>420</td>
<td>5.875</td>
</tr>
</tbody>
</table>

**CEMENTING TO PLUG AND ABANDON DATA:**

- Size of Hole or Pipe in which Plug Will Be Placed (inch): 5.875
- Depth to Bottom of Tubing or Drill Pipe (ft): 820
- Sacks of Cement To Be Used (each plug): 50
- Slurry Volume To Be Pumped (cu. ft.): 63
- Calculated Top of Plug (ft.): 400
- Measured Top of Plug (if tagged ft.): NA
- Slurry Wt. (Lb./Gal.): 15.4
- 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)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>820</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

**Estimated Cost to Plug Wells**
$8,800

**Certification**

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

**Name and Official Title (Please type or print)**
Dan Johnson, VP Environmental and Technical Services

**Signature**

**Date Signed**
08/06/2014
NOTES:

1. Well design details are based on BHP records.

2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 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.
**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**

**Surface Location Description**
NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E

- Locate well in two directions from nearest lines of quarter section and drilling unit
- Surface Location 490 ft. from (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

**Lease Name**
NA

**Well Number**
BHP-11

**Casings and Tubing Record After Plugging**

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>7&quot;</td>
<td>unknown</td>
<td>400</td>
<td>400</td>
<td>10.625</td>
</tr>
<tr>
<td>4&quot;</td>
<td>unknown</td>
<td>420</td>
<td>420</td>
<td>5.875</td>
</tr>
</tbody>
</table>

**Method of Emplacement of Cement Plugs**
- The Balance Method
- The Dump Bailier Method
- The Two-Plug Method
- Other

**Cementing to Plug and Abandon Data**

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.875</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**List All Open Holes and/or Perforated Intervals and Intervals Where casing will be Varied (If any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1400</td>
<td>805</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Estimated Cost to Plug Wells**

$8,800

**Certification**

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

**Name and Official Title (Please type or print)**
Dan Johnson, VP Environmental and Technical Services

**Signature**

**Date Signed**
08/06/2014
NOTES:

1. Well design details are based on BHP records.

2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 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.
### PLUGGING AND ABANDONMENT PLAN

**Name and Address of Facility**
Florence Copper Project  
1575 W Hunt Hwy, Florence, AZ 85132

**State**  
Arizona

**County**  
Pinal

**Locate Well and Outline Unit on**  
Section Plat - 640 Acres

- **Surface Location Description**
  NE 1/4 of SW 1/4 of SW 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**
  - Line of quarter section
  - Line of quarter section

**TYPE OF AUTHORIZATION**
- Individual Permit
- Area Permit ✓
- Rule

**Well Activity**
- The Balance Method ✓
- The Dump Bailer Method
- The Two-Plug Method
- Other

**Number of Wells**

**Lease Name**
NA

**Well Number**
BHP-12

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>7&quot;</td>
<td>unknown</td>
<td>400</td>
<td>400</td>
<td>10.625</td>
</tr>
<tr>
<td>4&quot;</td>
<td>unknown</td>
<td>380</td>
<td>380</td>
<td>5.875</td>
</tr>
</tbody>
</table>

**CEMENTING TO PLUG AND ABANDON DATA:**

<table>
<thead>
<tr>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.875</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>770</td>
<td>400</td>
<td>55</td>
<td>84</td>
<td>70</td>
<td>107</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1400</td>
<td>770</td>
</tr>
</tbody>
</table>

**Estimated Cost to Plug Wells**

$8,800

**Certification**

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

**Name and Official Title (Please type or print)**
Dan Johnson, VP Environmental and Technical Services

**Signature**

**Date Signed**
08/06/2014
NOTES:

1. Well design details are based on BHP records.

2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 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.
Name and Address of Facility
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

State
Arizona

Locate Well and Outline Unit on
Section Plat - 640 Acres

State 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 Description
Location - 290 ft. frm (N/S) and 435 ft. from (E/W)

WELL ACTIVITY

TYPE OF AUTHORIZATION
☐ Individual Permit
☑ Area Permit
☐ Rule

Number of Wells

Lease Name
NA

WELL NUMBER
BHP-13

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>7&quot;</td>
<td>unknown</td>
<td>420</td>
<td>420</td>
<td>10.625</td>
</tr>
<tr>
<td>4&quot;</td>
<td>unknown</td>
<td>440</td>
<td>440</td>
<td>5.25</td>
</tr>
</tbody>
</table>

METHOD OF EMPLACEMENT OF CEMENT PLUGS

☐ The Balance Method
☐ The Dump Bailer Method
☐ The Two-Plug Method
☐ Other

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.25</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 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)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>420</td>
<td>826</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
Dan Johnson, VP Environmental and Technical Services

Signature

Date Signed
08/06/2014

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

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

WELL ACTIVITY
☐ Individual Permit
☑ Area Permit
☐ Rule

Number of Wells

Lease Name
NA

Well Number
CH-1

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>4&quot;</td>
<td>unknown</td>
<td>780</td>
<td>780</td>
<td>9.875</td>
</tr>
</tbody>
</table>

METHOD OF EMPLACEMENT OF CEMENT PLUGS

☐ The Balance Method
☐ The Dump Bailer Method
☐ The Two-Plug Method
☐ Other

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>9.875</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth to Bottom of Tubing or Drill Pipe (ft)</th>
<th>410</th>
<th>789</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacks of Cement To Be Used (each plug)</td>
<td>28</td>
<td>158</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slurry Volume To Be Pumped (cu. ft.)</td>
<td>36</td>
<td>202</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calculated Top of Plug (ft.)</td>
<td>0</td>
<td>410</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measured Top of Plug (if tagged ft.)</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slurry Wt. (Lb./Gal.)</td>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type Cement or Other Material (Class III)</td>
<td>Type V</td>
<td>Type V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1420</td>
<td>520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1560</td>
<td>660</td>
<td></td>
<td></td>
</tr>
<tr>
<td>700</td>
<td>780</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

EPA Form 7520-14 (Rev. 12-11)
AS-BUILT
CH-1 CASED WELL

TYPE V CEMENT GROUT

4 - INCH PVC CASING

9 7/8 - INCH DIAMETER BOREHOLE

TYPE V CEMENT GROUT

12 - INCH STEEL CASING

FILTER PACK

SCREEN

PROPOSED PLUGGING
AND ABANDONMENT
CH-1 CASED WELL

CASING REMOVED TO 5 FEET,
BACKFILLED WITH NATIVE MATERIAL

TYPE V CEMENT GROUT

4 - INCH PVC CASING

TYPE V CEMENT GROUT

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN

SCREEN
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

Florence Copper, Inc.
1575 W Hunt Hwy, Florence, AZ 85132

Arizona
County
Pinal
Permit Number
AZ396000001

Locate in two directions from nearest lines of quarter section and drilling unit
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

WELL ACTIVITY
Area Permit

Number of Wells

Lease Name

CASING AND TUBING RECORD AFTER PLUGGING
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 (inch): Type V

Depth to Bottom of Tubing or Drill Pipe (ft)

Sacks of Cement To Be Used (each plug)

Slurry Volume To Be Pumped (cu. ft.)

Calculated Top of Plug (ft.)

Measured Top of Plug (if tagged ft.)

Slurry Wt. (Lb./Gal.)

Type Cement or Other Material (Class III)

Plug #1 4 9.875
Plug #2
Plug #3
Plug #4
Plug #5
Plug #6
Plug #7

METHOD OF EMPLACEMENT OF CEMENT PLUGS

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

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

From To From To
420 520
560 660
700 760

Estimated Cost to Plug Wells
$8,800

Certification

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

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

EPA Form 7520-14 (Rev. 12-11)
AS-BUILT CH-2 CASED WELL

FILTER PACK

TYPE V CEMENT GROUT

4 - INCH PVC CASING

9 7/8 - INCH DIAMETER BOREHOLE

CEMENT GROUT

12 - INCH STEEL CASING

AS-BUILT CH-2 CASED WELL

20 FEET

120 FEET (ESTIMATED)

420 FEET

520 FEET

560 FEET

660 FEET

700 FEET

750 FEET

Screen

Screen

Screen

Screen

PROPOSED PLUGGING AND ABANDONMENT CH-2 CASED WELL

Casing removed to 5 feet, backfilled with native material

Type V cement grout

9 7/8 - INCH DIAMETER BOREHOLE

4 - INCH PVC CASING

Type V cement grout

Screen

Screen

Screen

Screen

WELL CH-2 SCHEMATIC DIAGRAM

NOTE
WELL DESIGN DETAILS ARE BASED ON BHP RECORDS.
United States Environmental Protection Agency  
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility  
Florence Copper Project  
1575 W Hunt Hwy, Florence, AZ 85132

State  
Arizona

County  
Pinal

Permit Number  
AZ396000001

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Surface Location Description

NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28 Township 4S Range 9E

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location

435 ft. frm (N/S) Line of quarter section

335 ft. from (E/W) Line of quarter section

TYPE OF AUTHORIZATION
- Individual Permit
- Area Permit
- Rule

Number of Wells

Lease Name

NA

WELL ACTIVITY
- The Balance Method
- The Dump Bail Method
- The Two-Plug Method
- Other

Well Number

OWB-1

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>7&quot;</td>
<td>unknown</td>
<td>420</td>
<td>420</td>
<td>10.625</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>unknown</td>
<td>400</td>
<td>400</td>
<td>5.25</td>
</tr>
</tbody>
</table>

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- The Balance Method
- The Dump Bail Method
- The Two-Plug Method
- Other

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>PLUG</th>
<th>WT (LB/FT)</th>
<th>Plug Size (in.)</th>
<th>Depth to Bottom of Tubing or Drill Pipe (ft)</th>
<th>Sacks of Cement To Be Used (each plug)</th>
<th>Slurry Volume To Be Pumped (cu. ft.)</th>
<th>Calculated Top of Plug (ft.)</th>
<th>Measured Top of Plug (ft.)</th>
<th>Slurry Wt. (Lb./Gal.)</th>
<th>Type Cement or Other Material (Class III)</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td></td>
<td>5.25</td>
<td>795</td>
<td>44</td>
<td>36</td>
<td>420</td>
<td>NA</td>
<td>15.4</td>
<td>Type V</td>
</tr>
<tr>
<td>#2</td>
<td></td>
<td>7</td>
<td>420</td>
<td>44</td>
<td>112</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td>Type V</td>
</tr>
<tr>
<td>#3</td>
<td></td>
<td></td>
<td>420</td>
<td>420</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td>15.4</td>
<td>Type V</td>
</tr>
<tr>
<td>#4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

From   | To   | From   | To   |
-------|------|--------|------|
420    | 795  | NA     | NA   |

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  
Dan Johnson, VP Environmental and Technical Services

Signature

08/06/2014

EPA Form 7520-14 (Rev. 12-11)
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.
PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

State
Arizona

County
Pinal

Location of Unit on Section Plat - 640 Acres

Surface Location Description

Locate well in two directions from nearest lines of quarter section and drilling unit

EQUIPMENT FOR OPTIMAL PLUGGING

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>4&quot;</td>
<td>unknown</td>
<td>220</td>
<td>220</td>
<td>9.25</td>
</tr>
</tbody>
</table>

Cementing to Plug and Abandon Data:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch):</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>9.875</td>
<td>9.875</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Method of Emplacement of Cement Plugs:

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

List All Open Holes and/or Perforated Intervals and Intervals Where Casing Will Be Varied (If Any):

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Estimated Cost to Plug Wells
$8,800

Certification

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

Name and Official Title (Please type or print)
Dan Johnson, VP Environmental and Technical Services

Signature

Date Signed
08/06/2014
NOTES:

1. Well design details are based on BHP records.

2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 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.
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

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location Description

NE 1/4 of SW 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

Well Activity

☐ Individual Permit
☐ Area Permit
☐ Rule

Number of Wells

Lease Name

Method of Emplacement of Cement Plugs

☐ The Balance Method
☐ The Dump Bailor Method
☐ The Two-Plug Method
☐ Other

Casing and Tubing Record After Plugging

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>7&quot;</td>
<td>unknown</td>
<td>420</td>
<td>420</td>
<td>10.25</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>unknown</td>
<td>400</td>
<td>400</td>
<td>5.25</td>
</tr>
</tbody>
</table>

Cementing To Plug and Abandon Data:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inches)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.25</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth to Bottom of Tubing or Drill Pipe (ft)</th>
<th>Plugs 1</th>
<th>Plugs 2</th>
<th>Plugs 3</th>
<th>Plugs 4</th>
<th>Plugs 5</th>
<th>Plugs 6</th>
<th>Plugs 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>796</td>
<td>420</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sacks of Cement To Be Used (each plug)</th>
<th>Plugs 1</th>
<th>Plugs 2</th>
<th>Plugs 3</th>
<th>Plugs 4</th>
<th>Plugs 5</th>
<th>Plugs 6</th>
<th>Plugs 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>88</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Volume To Be Pumped (cu. ft.)</th>
<th>Plugs 1</th>
<th>Plugs 2</th>
<th>Plugs 3</th>
<th>Plugs 4</th>
<th>Plugs 5</th>
<th>Plugs 6</th>
<th>Plugs 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>57</td>
<td>112</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calculated Top of Plug (ft.)</th>
<th>Plugs 1</th>
<th>Plugs 2</th>
<th>Plugs 3</th>
<th>Plugs 4</th>
<th>Plugs 5</th>
<th>Plugs 6</th>
<th>Plugs 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>420</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Top of Plug (if tagged ft.)</th>
<th>Plugs 1</th>
<th>Plugs 2</th>
<th>Plugs 3</th>
<th>Plugs 4</th>
<th>Plugs 5</th>
<th>Plugs 6</th>
<th>Plugs 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Wt. (Lb./Gal.)</th>
<th>Plugs 1</th>
<th>Plugs 2</th>
<th>Plugs 3</th>
<th>Plugs 4</th>
<th>Plugs 5</th>
<th>Plugs 6</th>
<th>Plugs 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>796</td>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type Cement or Other Material (Class III)</th>
<th>Type V</th>
<th>Type V</th>
</tr>
</thead>
</table>

List All Open Holes And/or Perforated Intervals and Intervals Where Casing Will Be Varied (If any)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>420</td>
<td>796</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 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  

EPA Form 7520-14 (Rev. 12-11)
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 LBU/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.
**Locate Well and Outline Unit on Section Plat - 640 Acres**

- **N**
- **E**
- **W**
- **S**

**Surface Location Description**
- NE 1/4 of SW 1/4 of SW 1/4 of SE 1/4 of Section 28, Township 4S, Range 9E

**Locate well in two directions from nearest lines of quarter section and drilling unit**

- **Surface**
  - Location 335 ft. from (N/S) S Line of quarter section
  - Location 335 ft. from (E/W) W Line of quarter section

**TYPE OF AUTHORIZATION**
- Individual Permit
- Area Permit
- Rule

**Number of Wells**

- Lease Name: NA

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>7&quot;</td>
<td>unknown</td>
<td>410</td>
<td>410</td>
<td>10.625</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>unknown</td>
<td>340</td>
<td>340</td>
<td>5.25</td>
</tr>
</tbody>
</table>

**METHOD OF EMPLACEMENT OF CEMENT PLUGS**

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

**CEMENTING TO PLUG AND ABANDON DATA:**

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.25</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.45</td>
<td>410</td>
<td>86</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.00</td>
<td>50</td>
<td>110</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.10</td>
<td>410</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.4</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type Cement or Other Material (Class III)</td>
<td>Type V</td>
<td>Type V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>745</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>

**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**

- Dan Johnson, VP Environmental and Technical Services

**Signature**

- [Signature]

**Date Signed**

- 08/06/2014
NOTES:

1. Well design details are based on BHP records.

2. Each of the BHP test wells includes an unsupported perforated PVC liner that extends from the upper casing zone to the bottom of the bore hole. The liners are perforated and will not be removed prior to abandonment of the BHP test wells. The liners are reported to be 4-inch or 1 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.
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  

State  
Arizona  
County  
Pinal  
Permit Number  
AZ396000001  

Locate Well and Outline Unit on  
Section Plat - 640 Acres  

Surface Location Description  

NE 1/4 of SW 1/4 of SW 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 335 ft. frm (N/S) S Line of quarter section  
and 335 ft. frn (E/W) W Line of quarter section.  

TYPE OF AUTHORIZATION  
☐ Individual Permit  
☑ Area Permit  
☐ Rule  

Number of Wells  

Lease Name  
NA  

WELL ACTIVITY  
☐ CLASS I  
☐ CLASS II  
☐ Brine Disposal  
☐ Enhanced Recovery  
☐ Hydrocarbon Storage  
☐ CLASS III  
☑ The Balance Method  
☐ The Dump Bailer Method  
☐ The Two-Plug Method  
☐ Other  

Well Number  
OWB-5  

CASING AND TUBING RECORD AFTER PLUGGING  

<table>
<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&quot;</td>
<td>unknown</td>
<td>20</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>7&quot;</td>
<td>unknown</td>
<td>420</td>
<td>420</td>
<td>10.625</td>
</tr>
<tr>
<td>1.5&quot;</td>
<td>unknown</td>
<td>360</td>
<td>360</td>
<td>6.25</td>
</tr>
</tbody>
</table>

METHOD OF EMBLACEMENT OF CEMENT PLUGS  

☐ The Balance Method  
☐ The Dump Bailer Method  
☐ The Two-Plug Method  
☐ Other  

CEMENTING TO PLUG AND ABANDON DATA:  

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>6.25</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>765</td>
<td>420</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>58</td>
<td>88</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>74</td>
<td>112</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>420</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>420</td>
<td>765</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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  
[Signature]  

Date Signed  
08/06/2014  

EPA Form 7520-14 (Rev. 12-11)
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.
PTF AOR WELLS
**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

**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**

**Locate well in two directions from nearest lines of quarter section and drilling unit**

**Surface Location**

- **E** 130 ft. from (N/S) Line of quarter section
- **N** 970 ft. from (E/W) Line of quarter section

**Well Activity**
- **Type of Authorization**
  - Area Permit
- **Well Activity**
  - Brine Disposal
  - Enhanced Recovery
  - Hydrocarbon Storage

**Casing and Tubing Record After Plugging**

<table>
<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>427</td>
<td>377</td>
<td>6.75</td>
</tr>
<tr>
<td>2.5</td>
<td>unknown</td>
<td>950</td>
<td>550</td>
<td>4.38</td>
</tr>
</tbody>
</table>

**Cementing to Plug and Abandon Data:**

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch):</th>
<th>6.25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth to Bottom of Tubing or Drill Pipe (ft):</td>
<td>427</td>
</tr>
<tr>
<td>Sacks of Cement To Be Used (each plug):</td>
<td>62</td>
</tr>
<tr>
<td>Slurry Volume To Be Pumped (cu. ft.):</td>
<td>78.8</td>
</tr>
<tr>
<td>Calculated Top of Plug (ft.):</td>
<td>5</td>
</tr>
<tr>
<td>Measured Top of Plug (if tagged ft.):</td>
<td>5</td>
</tr>
<tr>
<td>Slurry Wt. (Lb./Gal.):</td>
<td>15.6</td>
</tr>
<tr>
<td>Type Cement or Other Material (Class III):</td>
<td>V</td>
</tr>
</tbody>
</table>

**List all open hole and/or perforated intervals and intervals where casing will be varied (if any):**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>50</td>
</tr>
<tr>
<td>290</td>
<td></td>
</tr>
<tr>
<td>330</td>
<td></td>
</tr>
<tr>
<td>427</td>
<td>950</td>
</tr>
</tbody>
</table>

**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
6.75-INCH DIAMETER BOREHOLE TO 427 FEET, CASING TO 427 1200 FEET

Upper Basin Fill Unit (UBFU)

Middle Fine-Grained Unit (MFGU)

Lower Basin Fill Unit (LBFU)

Bedrock Oxide Zone

370 FEET

4.38-INCH DIAMETER COREHOLE

1200 FEET

PROPOSED PLUGGING AND ABANDONMENT CMP11-05 CORE HOLE

Backfilled with native material to 5 feet

Casing removed to 90 feet

6.75-INCH DIAMETER BOREHOLE TO 427 FEET, CASING TO 427

Casing blast-perforated at 290 and 330 feet

PQ drilling rod was lost in borehole - nine attempts were made to remove rod below 427 feet but were unsuccessful. Rod was removed to 400 feet.

Cement grout

4.38-INCH DIAMETER COREHOLE

950 FEET

1200 FEET

CMP11-05 COREHOLE DIAGRAM

Scale: Not to scale

Florence Copper, Inc.
Florence, Arizona

September 2014
**Name and Address of Facility**
Florence Copper Project  
1575 W Hunt Hwy, Florence, Arizona 85132

**State**  
Arizona

**County**  
Pinal

**Locate Well and Outline Unit on**  
Section Plat - 640 Acres

**Location Description**  
Surface Location __1/4 of __1/4 of __1/4 of __1/4 of

drilling unit

**Type of Authorization**  
- Individual Permit
- Area Permit
- Rule

**Number of Wells**

<table>
<thead>
<tr>
<th>Lease Name</th>
<th>NA</th>
</tr>
</thead>
</table>

**Well Number**

<table>
<thead>
<tr>
<th>CMP11-06</th>
</tr>
</thead>
</table>

**List all open hole and/or perforated intervals and intervals where casing will be varied (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>429</td>
<td>1145</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**

Dan Johnson

**Date Signed**

10/01/2014
AS-BUILT CMP11-06 CORE HOLE

PROPOSED PLUGGING AND ABANDONMENT
CMP11-06 CORE HOLE

6.75-INCH DIAMETER BOREHOLE WITH 6.25-INCH CASING TO 429 FEET

UPPER BASIN FILL UNIT (UBFU)
MIDDLE FINE-GRAINED UNIT (MFGU)
LOWER BASIN FILL UNIT (LBFU)
BEDROCK OXIDE ZONE

4.38-INCH DIAMETER COREHOLE TO 429 FEET, CASING REMOVED TO 335 FEET
CIMENT GROUT

BACKFILLED WITH NATIVE MATERIAL TO 5 FEET

CASING BLASTED AND REMOVED AT 335 FEET

4.38-INCH DIAMETER COREHOLE

1145 FEET

SEPTEMBER 2014

FIGURE 1
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. from (N/S) Line of quarter section
and 1040 ft. from (E/W) Line of quarter section.

WELL ACTIVITY
- Individual Permit
- Area Permit
- Rule
- Number of Wells
- Class III

TYPE OF AUTHORIZATION
- Class I
- Class II
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage
- Class III

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>3&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>3&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
</tr>
</tbody>
</table>

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
**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

**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) Line of quarter section and 975 ft. from (E/W) Line of quarter section.

**Type of Authorization**

- [ ] Individual Permit
- [ ] Area Permit
- [ ] Rule
- [ ✔ ] Area Permit

**Number of Wells**

1

**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)

**Signature**

Dan Johnson, VP Environmental and Technical Services  
10/01/2014

**Estimated Cost to Plug Wells**

$12,500 - abandonment costs

---

**Casing and Tubing Record After Plugging**

<table>
<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>24”</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28”</td>
</tr>
<tr>
<td>14”</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20”</td>
</tr>
<tr>
<td>5”</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14”</td>
</tr>
<tr>
<td>5”</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25”</td>
</tr>
</tbody>
</table>

**Cementing to Plug and Abandon Data**

| Size of Hole or Pipe in which Plug Will Be Placed (inch): | 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 of Open Hole and/or Perforated Intervals and Intervals Where Casing Will Be Varied (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
</tr>
</tbody>
</table>

---

**EPA Form 7520-14 (Rev. 12-11)**
PLUGGING AND ABANDONMENT PLAN

Locate Well and Outline Unit on Section Plat - 640 Acres

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

State: Arizona
County: Pinal
Permit Number: AZ396000001

Surface Location Description
SW 1/4 of NE 1/4 of Section 28, Township 4S, Range 9E

Surface Location
1150 ft. from (N/S) Line of quarter section and 1040 ft. from (E/W) Line of quarter section.

WELL ACTIVITY

- Area Permit
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

Type of Authorization

- Individual Permit
- Area Permit
- Rule

Number of Wells

Lease Name: NA

WELL ACTIVITY

- Area Permit
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

Type of Authorization

- Individual Permit
- Area Permit
- Rule

Number of Wells

Lease Name: NA

WELL ACTIVITY

- Area Permit
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

Type of Authorization

- Individual Permit
- Area Permit
- Rule

Number of Wells

Lease Name: NA

WELL ACTIVITY

- Area Permit
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

Type of Authorization

- Individual Permit
- Area Permit
- Rule

Number of Wells

Lease Name: NA

List All Open Holes and/or Perforated Intervals and Intervals Where Casings Will Be Varied (if any)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td></td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
</tr>
</tbody>
</table>

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: [Signature]

Date Signed: 10/01/2014

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

**Surface**

Location 1150 ft. from (N/S) Line of quarter section and 1040 ft. from (E/W) Line of quarter section.

**TYPE OF AUTHORIZATION**

- [ ] Individual Permit  
- [ ] Area Permit  
- [ ] Rule

**Number of Wells**

1

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>3&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

**METHOD OF EMPLOACEMENT 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:**

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

**LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARED (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**
Dan Johnson, VP Environmental and Technical Services

**Signature**

**Date Signed** 10/01/2014
CONCRETE PAD
20-INCH MINIMUM BOREHOLE
SILICA SAND FILTER PACK (NO. 6-9 MESH)
5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)
STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP
APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

PROPOSED DESIGN
INJECTION AND RECOVERY WELL

CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL
24-INCH MINIMUM STEEL SURFACE CASING, CEMENTED
20-INCH MIN. BOREHOLE
TYPE V CEMENT GROUT
LCS STEEL CASING CENTRALIZERS EVERY 40 FEET
14-INCH NOMINAL DIAMETER LOW-CARBON STEEL CASING, CEMENTED
5-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH BOX O.D.)
TOP OF COATED CASING
14-INCH NOMINAL DIAMETER POLYETHYLENE COATED LCS CASING, BOTTOM 40 FEET OF OVERBURDEN CASING
FINE SAND (NO. 30-70 MESH)
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
12 1/4-INCH MIN. BOREHOLE
5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)
TYPE V NEAT CEMENT SEAL
SILICA SAND FILTER PACK (NO. 6-9 MESH)
5-INCH NOMINAL DIAMETER SCH. 80 PVC BLANK CASING
FINE SAND (NO. 30-70 MESH)
STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP
APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

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

State
Arizona
County
Pinal
Permit Number
AZ396000001

Locate Well and Outline Unit on
Section Plat - 640 Acres

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. from (N/S) Line of quarter section and 1175 ft. from (E/W) Line of quarter section.

TYPE OF AUTHORIZATION

[ ] Individual Permit
[ ] Area Permit
[ ] Rule

Number of Wells

 Lease Name
NA

Well Number
M55-UBF

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>45.68</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>45.68</td>
<td>240</td>
<td>240</td>
<td>9.86&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>3</td>
<td>20</td>
<td>20</td>
<td>9.86&quot;</td>
</tr>
</tbody>
</table>

METHOD OF EMBOLACEMENT OF CEMENT PLUGS

[ ] The Balance Method
[ ] The Dump Bailer Method
[ ] The Two-Plug Method
[ ] Other

CEMENTING TO PLUG AND ABANDON DATA:

Size of Hole or Pipe in which Plug Will Be Placed (Inches)
PLUG #1
PLUG #2
PLUG #3
PLUG #4
PLUG #5
PLUG #6
PLUG #7

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
--- | ---
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

EPA Form 7520-14 (Rev. 12-11)
PROPOSED DESIGN
SUPPLEMENTAL MONITORING
WELL M55-UBF

LOCKING WELL VAULT
CONCRETE PAD

2.5 FOOT MONUMENT STICKUP
2 FOOT CASING STICKUP

BENTONITE CHIPS / PELLETS
APPROXIMATE STATIC WATER LEVEL
COLORADO SILICA SAND
PVC ENDCAP
CEMENT SEAL (TYPE V)

2 FEET

9 7/8-INCH BOREHOLE

APPROXIMATE STATIC WATER LEVEL
BENTONITE CHIPS / PELLETS
8-12 COLORADO SILICA SAND
STEEL TO PVC ADAPTER
4-INCH SCHEDULE 80 PVC SCREEN
(0.020-INCH SLOTS)
PVC ENDCAP

PROPOSED PLUGGING AND
ABANDONMENT
SUPPLEMENTAL MONITORING
WELL M55-UBF

CASING REMOVED TO 5 FEET,
BACKFILLED WITH NATIVE MATERIAL
TYPE V CEMENT GROUT

2 FEET

14-INCH MILD STEEL CASING

4-INCH NOMINAL DIAMETER MILD
STEEL CASING
CEMENT SEAL (TYPE V)
9 7/8-INCH BOREHOLE

211 FEET
220 FEET
230 FEET
240 FEET
260 FEET
270 FEET

APPROXIMATE STATIC WATER LEVEL
BENTONITE CHIPS / PELLETS
8-12 COLORADO SILICA SAND
STEEL TO PVC ADAPTER
4-INCH SCHEDULE 80 PVC SCREEN
(0.020-INCH SLOTS)
PVC ENDCAP

211 FEET
220 FEET
230 FEET
240 FEET
260 FEET
270 FEET

FIGURE 1
# 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

**State**  
Arizona

**County**  
Pinal

**Permit Number**  
AZ3964000001

**Surface Location Description**

- 1/4 of SW  
- 1/4 of NE  
- 1/4 of SW  
- 1/4 of NW  
- Section 28  
- Township 4S  
- Range 9E

**Locate well in two directions from nearest lines of quarter section and drilling unit**

- Location 925 ft. from (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**
NA

**Lease Name**
NA

**Well Number**
M56-LBF

## CASING AND TUBING RECORD AFTER PLUGGING

<table>
<thead>
<tr>
<th>Size</th>
<th>M1T (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>320</td>
<td>320</td>
<td>9.86</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>20</td>
<td>20</td>
<td>9.86</td>
</tr>
</tbody>
</table>

## METHODOLOGY OF EMPLACEMENT OF CEMENT PLUGS

- The Slurry Method
- The Dump Bailers Method
- The Two-Plug Method
- Other

## CEMENTING TO PLUG AND ABANDON DATA:

- Size of Hole or Pipe in which Plug Will Be Placed (inches): 4
- Depth to Bottom of Tubing or Drill Pipe (ft): 340
- Socks of Cement To Be Used (each plug): 23
- Slurry Volume To Be Pumped (cubic ft.): 30
- Calculated Top of Plug (ft): 0
- Measured Top of Plug (if tagged ft.): NA
- Slurry Wt. (lbs./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)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>340</td>
</tr>
</tbody>
</table>

**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 of Official Title (Please type or print)**
Dan Johnson, VP Environmental and Technical Services

**Signature**

**Date Signed**
10/1/2014
PROPOSED DESIGN
SUPPLEMENTAL MONITORING
WELL M56-LBF

2.5 FOOT MONUMENT STICKUP
2 FOOT CASING STICKUP

2 FEET
20 FEET

14-INCH MILD STEEL CASING

4-INCH NOMINAL DIAMETER MILD STEEL CASING

APPROXIMATE STATIC WATER LEVEL

CEMENT SEAL (TYPE V)

9 7/8-INCH BOREHOLE

BENTONITE CHIPS / PELLETS

8-12 COLORADO SILICA SAND

4-INCH SCHEDULE 80 PVC SCREEN
(0.020-INCH SLOTS)

PVC ENDCAP

PROPOSED PLUGGING AND
ABANDONMENT
SUPPLEMENTAL MONITORING
WELL M56-LBF

CASING REMOVED TO 5 FEET,
BACKFILLED WITH NATIVE MATERIAL

4-INCH NOMINAL DIAMETER MILD STEEL CASING

APPROXIMATE STATIC WATER LEVEL

CEMENT SEAL (TYPE V)

9 7/8-INCH BOREHOLE

BENTONITE CHIPS / PELLETS

8-12 COLORADO SILICA SAND

4-INCH SCHEDULE 80 PVC SCREEN
(0.020-INCH SLOTS)

PVC ENDCAP
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

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

Lease Name
NA

Well Number
M57-O

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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>525</td>
<td>525</td>
<td>9.86</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>675</td>
<td>675</td>
<td>9.86</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inches)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth to Bottom of Tubing or Drill Pipe (ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sacks of Cement To Be Used (each plug)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>82</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Volume To Be Pumped (cu. ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calculated Top of Plug (ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Top of Plug (if tagged ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Wt. (Lb./Gal.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type Cement or Other Material (Class III)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1525</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
Dan Johnson, VP Environmental and Technical Services

Signature

Date Signed
10/01/2014

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

Surface Location Description

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location Description

State
Arizona

County
Pinal

Permit Number
AZ396000001

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>36.71</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>8.9</td>
<td>595</td>
<td>595</td>
<td>9.86&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2</td>
<td>605</td>
<td>605</td>
<td>9.86&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inches)</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth to Bottom of Tubing or Drill Pipe (ft.)</td>
<td>1200</td>
</tr>
<tr>
<td>Sacks of Cement To Be Used (each plug)</td>
<td>82</td>
</tr>
<tr>
<td>Slurry Volume To Be Pumped (cu. ft.)</td>
<td>105</td>
</tr>
<tr>
<td>Calculated Top of Plug (ft.)</td>
<td>0</td>
</tr>
<tr>
<td>Measured Top of Plug (if tagged ft.)</td>
<td>NA</td>
</tr>
<tr>
<td>Slurry Wt. (Lb./Gal.)</td>
<td>15.4</td>
</tr>
<tr>
<td>Type Cement or Other Material (Class III)</td>
<td>V</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1595</td>
<td></td>
<td>1200</td>
<td></td>
</tr>
</tbody>
</table>

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

EPA Form 7520-14 (Rev. 12-11)
PROPOSED DESIGN
SUPPLEMENTAL MONITORING
WELL M58-O

2.5 FOOT MONUMENT STICKUP

2 FOOT CASING STICKUP

LOCKING WELL VAULT

CONCRETE PAD

LOCKING WELL VAULT

CONCRETE PAD

2 FEET

20 FEET

14-INCH MILD STEEL CASING

4-INCH NOMINAL DIAMETER MILD STEEL BLANK CASING

APPROXIMATE STATIC WATER LEVEL

CEMENT SEAL (TYPE V)

9 7/8-INCH BOREHOLE

575 FEET

585 FEET

595 FEET

BENTONITE CHIPS / PELLETS

STEEL TO PVC ADAPTER

5-12 COLORADO SILICA SAND

4-INCH NOMINAL DIAMETER SCHEDULE 80 PVC SCREEN (0.020-INCH SLOTS)

PVC ENDCAP

20 FEET

1200 FEET

1210 FEET

PROPOSED PLUGGING AND
ABANDONMENT
SUPPLEMENTAL MONITORING
WELL M58-O

CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL

14-INCH MILD STEEL CASING

4-INCH NOMINAL DIAMETER MILD STEEL BLANK CASING

APPROXIMATE STATIC WATER LEVEL

CEMENT SEAL (TYPE V)

9 7/8-INCH BOREHOLE

575 FEET

585 FEET

595 FEET

BENTONITE CHIPS / PELLETS

STEEL TO PVC ADAPTER

5-12 COLORADO SILICA SAND

4-INCH NOMINAL DIAMETER SCHEDULE 80 PVC SCREEN (0.020-INCH SLOTS)

PVC ENDCAP

20 FEET

1200 FEET

1210 FEET

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

N

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<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>
<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>

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

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: [Signature]  
Date Signed: 10/01/2014

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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>36.71</td>
<td>1200</td>
<td>1200 20</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>2.92</td>
<td>1200</td>
<td>1200 20</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>2.01</td>
<td>1200</td>
<td>1200 20</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>2.01</td>
<td>1200</td>
<td>1200 20</td>
<td>20</td>
</tr>
</tbody>
</table>

METHOD OF EMPLACEMENT OF CEMENT PLUGS

☐ The Balance Method  
☐ The Dump Bailer Method  
☐ The Two-Plug Method  
☐ Other

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inches):</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth to Bottom of Tubing or Drill Pipe (ft.):</td>
<td>1200</td>
</tr>
<tr>
<td>Sacks of Cement To Be Used (each plug):</td>
<td>82</td>
</tr>
<tr>
<td>Slurry Volume To Be Pumped (cu. ft.):</td>
<td>105</td>
</tr>
<tr>
<td>Calculated Top of Plug (ft.):</td>
<td>0</td>
</tr>
<tr>
<td>Measured Top of Plug (if tagged ft.):</td>
<td>NA</td>
</tr>
<tr>
<td>Slurry Wt. (Lb./Gal.):</td>
<td>15.4</td>
</tr>
<tr>
<td>Type Cement or Other Material (Class III):</td>
<td>V</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1535</td>
<td>1200</td>
</tr>
</tbody>
</table>

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: [Signature]  
Date Signed: 10/01/2014
PROPOSED DESIGN SUPPLEMENTAL MONITORING WELL M59-O

LOCKING WELL VAULT
CONCRETE PAD

2.5 FOOT MONUMENT STICKUP
2 FOOT CASING STICKUP

1200 FEET
1210 FEET

515 FEET
525 FEET

223 FEET

8-12 COLORADO SILICA SAND

4-INCH NOMINAL DIAMETER SCHEDULE 80 PVC SCREEN (0.020-INCH SLOTS)

14-INCH MILD STEEL CASING

4-INCH NOMINAL DIAMETER MILD STEEL BLANK CASING

APPROXIMATE STATIC WATER LEVEL
CEMENT SEAL (TYPE V)
9.7/8-INCH BOREHOLE

BENTONITE CHIPS / PELLETS
STEEL TO PVC ADAPTER

PVC ENDCAP

TYPE V CEMENT GROUT

CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL

PROPOSED PLUGGING AND ABANDONMENT SUPPLEMENTAL MONITORING WELL M59-O

535 FEET

2 FEET

20 FEET

1200 FEET

1210 FEET

515 FEET
525 FEET

223 FEET

8-12 COLORADO SILICA SAND

4-INCH NOMINAL DIAMETER SCHEDULE 80 PVC SCREEN (0.020-INCH SLOTS)

14-INCH MILD STEEL CASING

4-INCH NOMINAL DIAMETER MILD STEEL BLANK CASING

APPROXIMATE STATIC WATER LEVEL
CEMENT SEAL (TYPE V)
9.7/8-INCH BOREHOLE

BENTONITE CHIPS / PELLETS
STEEL TO PVC ADAPTER

PVC ENDCAP

TYPE V CEMENT GROUT

CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL

SCALE: NOT TO SCALE
AUGUST 2014
United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

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

Locate Well and Outline Unit on Section Plat - 640 Acres

Surface Location Description

WELL ACTIVITY

<table>
<thead>
<tr>
<th>TYPE OF AUTHORIZATION</th>
<th>WELL ACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brine Disposal</td>
<td></td>
</tr>
<tr>
<td>Enhanced Recovery</td>
<td></td>
</tr>
<tr>
<td>Hydrocarbon Storage</td>
<td></td>
</tr>
</tbody>
</table>

Lease Name
NA

Well Number
M60-O

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>36.71</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>8.9</td>
<td>445</td>
<td>445</td>
<td>9.86&quot;</td>
</tr>
<tr>
<td>2&quot;</td>
<td>2</td>
<td>755</td>
<td>755</td>
<td>9.86&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inches)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>82</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>105</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<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>
</tbody>
</table>

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)

Dan Johnson, VP Environmental and Technical Services

Signature

Date Signed
10/01/2014

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

```
Legend:  N  E  S  W

+------------------+
|                   |
|                   |
|                   |
|                   |
|                   |
|                   |
|                   |
|                   |
|                   |
+------------------+
```

**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. from (N/S)  
- Line of quarter section  
- and 555 ft. from (E/W)  
- Line of quarter section.

**WELL ACTIVITY**

- Area Permit  
- Brine Disposal  
- Enhanced Recovery  
- Hydrocarbon Storage

**Number of Wells**

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<thead>
<tr>
<th>Size (inches)</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>435</td>
<td>435</td>
<td>9.86</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>200</td>
<td>200</td>
<td>9.86</td>
</tr>
</tbody>
</table>

**CEMENTING TO PLUG AND ABANDON DATA:**

- Size of Hole or Pipe in which Plug Will Be Placed (inches): 4
- Depth to Bottom of Tubing or Drill Pipe (ft.): 635
- Sacks of Cement To Be Used (each plug): 44
- Slurry Volume To Be Pumped (cu. ft.): 35
- 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

**METHOD OF EMPLACEMENT OF CEMENT PLUGS**

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

**LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>435</td>
<td>635</td>
</tr>
</tbody>
</table>

**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**
10/01/2014
PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

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

Locate Well and Outline Unit on Section Plat - 640 Acres

State
Arizona
County
Pinal
Permit Number
AZ396000001

Surface Location Description
NE 1/4 of SE 1/4 of NW 1/4 of SW 1/4 of Section 28
Township 4S
Range 9E

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location 730 ft. frm (N/S) N Line of quarter section
and 1300 ft. from (E/W) W Line of quarter section.

TYPE OF AUTHORIZATION

- Individual Permit
- Area Permit
- Rule

Number of Wells

Lease Name
NA
Well Number
MW-01

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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>22</td>
<td>72.3</td>
<td>20</td>
<td>20</td>
<td>28</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>1800</td>
<td>1800</td>
<td>16</td>
</tr>
</tbody>
</table>

METHOD OF EMPLACEMENT OF CEMENT PLUGS

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

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inches)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth to Bottom of Tubing or Drill Pipe (ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td>600</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sacks of Cement To Be Used (each plug)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>82</td>
<td>41</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Volume To Be Pumped (cu. ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>52</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calculated Top of Plug (ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Top of Plug (if tagged ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Wt. (Lb./Gal.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.4</td>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type Cement or Other Material (Class III)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type V</td>
<td>Type V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1320</td>
<td></td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>1620</td>
<td></td>
<td>1200</td>
<td></td>
</tr>
</tbody>
</table>

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
10/01/2014

EPA Form 7520-14 (Rev. 12-11)
CONCRETE PAD
0 FEET
20 FEET (MIN.)
SILICA SAND FILTER PACK
4 -INCH NOMINAL DIAMETER PVC SCREEN
22-INCH MIN. STEEL SURFACE CASING, CEMENTED
4-INCH NOMINAL DIAMETER PVC CASING
4 - INCH NOMINAL DIAMETER MILD STEEL CASING
16-INCH MIN. BOREHOLE
TYPE V PORTLAND CEMENT (NEAT MIX)
BENTONITE CHIPS/PELLETS
STEEL TO PVC ADAPTER
PVC ENDCAP
STEEL TO PVC ADAPTER
SILICA SAND FILTER PACK
4 -INCH NOMINAL DIAMETER PVC SCREEN
4-INCH NOMINAL DIAMETER PVC CASING
SILICA SAND FILTER PACK
4 -INCH NOMINAL DIAMETER PVC SCREEN
PVC ENDCAP
CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL
22-INCH MIN. STEEL SURFACE CASING, CEMENTED
4-INCH NOMINAL DIAMETER MILD STEEL CASING
BENTONITE CHIPS/PELLETS
STEEL TO PVC ADAPTER
SILICA SAND FILTER PACK
4 -INCH NOMINAL DIAMETER PVC SCREEN
PVC ENDCAP
PVC ENDCAP
STEEL TO PVC ADAPTER
SILICA SAND FILTER PACK
4 -INCH NOMINAL DIAMETER PVC SCREEN
PVC ENDCAP
PROPOSED PLUGGING AND ABANDONMENT OPERATIONAL MONITORING WELL MW-01
0 FEET
20 FEET (MIN.)
1,200 FEET
600 FEET
620 FEET
320 FEET
280 FEET
300 FEET
1,200 FEET
600 FEET
620 FEET
320 FEET
280 FEET
300 FEET
PROPOSED DESIGN OPERATIONAL MONITORING WELL MW-01
0 FEET
20 FEET (MIN.)
1,200 FEET
600 FEET
620 FEET
320 FEET
280 FEET
300 FEET
0 FEET
20 FEET (MIN.)
1,200 FEET
600 FEET
620 FEET
320 FEET
280 FEET
300 FEET
FLORENCE COPPER, INC.
FLORENCE, ARIZONA
PROPOSED OPERATIONAL MONITORING WELL MW-01 ABANDONMENT SCHEMATIC
SCALE: NOT TO SCALE
FIGURE 1
AUGUST 2014
**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

### Well Activity

- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

### Certify

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)

**Signature**:  
**Date Signed**: 10/01/2014

---

**Florence Copper Project**  
1575 W Hunt Hwy, Florence, AZ 85132

**Florence Copper, Inc.**  
1575 W Hunt Hwy, Florence, AZ 85132

**Arizona**  
**Pinal**  
**AZ396000001**

### Lease Name
NA

### Well Number
O-01

---

### CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>27.66</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2</td>
<td>690</td>
<td>690</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

### CEMENTING TO PLUG AND ABANDON DATA:

- **Size of Hole or Pipe in which Plug Will Be Placed (inches)**: 4
- **Depth to Bottom of Tubing or Drill Pipe (ft.)**: 1200
- **Sacks of Cement To Be Used (each plug)**: 82
- **Slurry Volume To Be Pumped (cu. ft.)**: 105
- **Calculated Top of Plug (ft.)**: 0
- **Measured Top of Plug (if tagged ft.)**: NA
- **Slurry Wt. (Lb./Gal.)**: 15.4
- **Type Cement or Other Material (Class III)**: V

### WELL ACTIVITY

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

### METHOD OF EMPLACEMENT OF CEMENT PLUGS

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

---

**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

---

EPA Form 7520-14 (Rev. 12-11)
PROPOSED DESIGN
PTF OBSERVATION WELL

0 FEET
CONCRETE PAD
1.4-INCH MIN. STEEL SURFACE CASING, CEMENTED

20 FEET (MIN.)
SILICA SAND FILTER PACK
(NO. 10-20 MESH)

4-INCH NOMINAL PVC SCREEN,
0.020-INCH WIDE SLOTS

14-INCH MIN. STEEL SURFACE CASING,
CEMENTED
STAINLESS STEEL CASING
CENTRALIZERS EVERY 40 FEET
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
4-INCH NOMINAL FIBERGLASS REINFORCED CASING

10-INCH MIN. BOREHOLE
TYPE V NEAT CEMENT
FINE SAND (NO. 30-70 MESH)
PVC ENDCAP
APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

PROPOSED PLUGGING AND ABANDONMENT
PTF OBSERVATION WELL

0 FEET
CASING REMOVED TO 5 FEET,
BACKFILLED WITH NATIVE MATERIAL

20 FEET (MIN.)
SILICA SAND FILTER PACK
(NO. 10-20 MESH)

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN,
0.020-INCH WIDE SLOTS

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN,
0.020-INCH WIDE SLOTS
STAINLESS STEEL CASING
CENTRALIZERS EVERY 40 FEET
PVC ENDCAP
APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

FULL SCALE: NOT TO SCALE
AUGUST 2014
FIGURE 1
LOCATION OF WELL AND OUTLINE UNIT ON SECTION PLAT - 640 ACRES

SURFACE LOCATION DESCRIPTION

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

SOUTH 1/4 OF EAST 1/4 OF NORTH 1/4 OF SECTION 28, TOWNSHIP 4S, RANGE 9E

LOCATE WELL FROM (N/S) LINE OF QUARTER SECTION AND (E/W) LINE OF QUARTER SECTION.

TYPE OF AUTHORIZATION

- Individual Permit
- Area Permit
- Rule

NUMBER OF WELLS

Lease Name: NA

WELL ACTIVITY

- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

Lease Number: O-02

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>27.66</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2</td>
<td>690</td>
<td>690</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

- Size of Hole or Pipe in which Plug Will Be Placed (inches): 4
- Depth to Bottom of Tubing or Drill Pipe (ft.): 1200
- Sacks of Cement To Be Used (each plug): 82
- Slurry Volume To Be Pumped (cu. ft.): 105
- Calculated Top of Plug (ft.): 0
- Measured Top of Plug (if tagged ft.): NA
- Slurry Wt. (Lb./Gal.): 15.4
- Type Cement or Other Material (Class III): V

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

From | To
---|---
1520 | 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: [Signature]

Date Signed: 10/01/2014
CONCRETE PAD
0 FEET
20 FEET (MIN.)

SILICA SAND FILTER PACK
(NO. 10-20 MESH)

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN, 0.020-INCH WIDE SLOTS

14-INCH MIN. STEEL SURFACE CASING, CEMENTED

STAINLESS STEEL CASING
CENTRALIZERS EVERY 40 FEET

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET
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

Surface Location Description
1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

Surface Location
Locate well in two directions from nearest lines of quarter section and drilling unit

Type of Authorization

Class I
Class II
Class III

WELL ACTIVITY

Brine Disposal
Enhanced Recovery
Hydrocarbon Storage

Number of Wells

Lease Name
NA

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>27.66</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2</td>
<td>690</td>
<td>690</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inches)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth to Bottom of Tubing or Drill Pipe (ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sacks of Cement To Be Used (each plug)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>82</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Volume To Be Pumped (cu. ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calculated Top of Plug (ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Top of Plug (if tagged ft.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Slurry Wt. (Lb./Gal.)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type Cement or Other Material (Class III)</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

From | To  | From | To  |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
PROPOSED DESIGN
PTF OBSERVATION WELL

CONCRETE PAD
14-INCH MIN. STEEL SURFACE CASING, CEMENTED

TYPE V NEAT CEMENT
10-INCH MIN. BOREHOLE

4-INCH NOMINAL, FIBERGLASS REINFORCED CASING
FINE SAND (NO. 30-70 MESH)
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN, 0.020-INCH WIDE SLOTS

SILICA SAND FILTER PACK (NO. 10-20 MESH)

STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

PROPOSED PLUGGING AND ABANDONMENT
PTF OBSERVATION WELL

CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL
14-INCH MIN. STEEL SURFACE CASING, CEMENTED
STAINLESS STEEL CASING
CENTRALIZERS EVERY 40 FEET

TYPE V NEAT CEMENT
10-INCH MIN. BOREHOLE

4-INCH NOMINAL, FIBERGLASS REINFORCED CASING
FINE SAND (NO. 30-70 MESH)
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN, 0.020-INCH WIDE SLOTS

SILICA SAND FILTER PACK (NO. 10-20 MESH)

STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

TEST FACILITY PROPOSED OBSERVATION WELL ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1
PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility
Florence Copper Project
1575 W Hunt Hwy, Florence, AZ 85132

State
Arizona

County
Pinal

Locate Well and Outline Unit on Section Plat - 640 Acres

N

W

E

S

Surface Location Description

W 1/4 of S 1/4 of NE 1/4 of SW 1/4 of Section 28 Township 4S Range 9E

Surface Location

1225 ft. from (N/S) N Line of quarter section
and 1115 ft. from (E/W) E Line of quarter section.

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface

Location

1225 ft. from (N/S) N Line of quarter section
and 1115 ft. from (E/W) E Line of quarter section.

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

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

EPA Form 7520-14 (Rev. 12-11)
CONCRETE PAD
0 FEET
20 FEET (MIN.)

SILICA SAND FILTER PACK
(NO. 10-20 MESH)

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN,
0.020-INCH WIDE SLOTS

14-INCH MIN. STEEL SURFACE CASING,
CEMENTED STAINLESS STEEL CASING
CENTRALIZERS EVERY 40 FEET

FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
4-INCH NOMINAL FIBERGLASS REINFORCED CASING

10-INCH MIN. BOREHOLE

TYPE V NEAT CEMENT

FINE SAND (NO. 30-70 MESH)

PVC ENDCAP

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

CASING REMOVED TO 5 FEET,
BACKFILLED WITH NATIVE MATERIAL

TYPE V CEMENT GROUT

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN,
0.020-INCH WIDE SLOTS

SILICA SAND FILTER PACK
(NO. 10-20 MESH)

STAINLESS STEEL CASING
CENTRALIZERS EVERY 40 FEET

PVC ENDCAP

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

PROPOSED DESIGN
PTF OBSERVATION WELL

PROPOSED PLUGGING AND
ABANDONMENT
PTF OBSERVATION WELL

SCALE: NOT TO SCALE
AUGUST 2014
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

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. from (N/S) Line of quarter section and 1180 ft. from (E/W) Line of quarter section.

Type of Authorization

- Area Permit
- Individual Permit

WELL ACTIVITY

- Individual Permit
- Area Permit
- Enhanced Recovery
- Hydrocarbon Storage

Number of Wells

Lease Name
NA

Well Number
O-05

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>27.66</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2</td>
<td>690</td>
<td>690</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

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

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

From  To

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>1200</td>
</tr>
</tbody>
</table>

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

EPA Form 7520-14 (Rev. 12-11)
PROPOSED DESIGN
PTF OBSERVATION WELL

0 FEET
20 FEET (MIN.)

CONCRETE PAD
1 1/4-INCH MIN. STEEL SURFACE CASING,
CEMENTED

SILICA SAND FILTER PACK
(NO. 10-20 MESH)

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN,
0.020-INCH WIDE SLOTS

14-INCH MIN. STEEL SURFACE CASING,
CEMENTED

CENTRALIZERS EVERY 40 FEET

FIBERGLASS REINFORCED TO PVC PIPE ADAPTER

4-INCH NOMINAL FIBERGLASS REINFORCED CASING

10-INCH MIN. BOREHOLE

TYPE V NEAT CEMENT

FINE SAND (NO. 30-70 MESH)

PVC ENDCAP

APPROXIMATELY 1,200 FEET

APPROXIMATELY 1,210 FEET

PROPOSED PLUGGING AND
ABANDONMENT
PTF OBSERVATION WELL

0 FEET
20 FEET (MIN.)

CASING REMOVED TO 5 FEET,
BACKFILLED WITH NATIVE MATERIAL

1 1/4-INCH MIN. STEEL SURFACE CASING,
CEMENTED

TYPE V NEAT CEMENT

10-INCH MIN. BOREHOLE

4-INCH NOMINAL FIBERGLASS REINFORCED CASING

FINE SAND (NO. 30-70 MESH)

RIBBERGLASS REINFORCED TO PVC PIPE ADAPTER

FIBERGLASS REINFORCED TO PVC PIPE ADAPTER

4-INCH NOMIAL DIAMETER SCH. 80 PVC SCREEN,
0.020-INCH WIDE SLOTS

SILICA SAND FILTER PACK
(NO. 10-20 MESH)

STAINLESS STEEL CASING
CENTRALIZERS EVERY 40 FEET

PVC ENDCAP

APPROXIMATELY 1,200 FEET

APPROXIMATELY 1,210 FEET

TEST FACILITY PROPOSED
OBSERVATION WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1
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

Surface Location Description
SW 1/4 of NE 1/4 of SW 1/4 of Section 28, Township 4S, Range 9E

Surface Location
Locate well in two directions from nearest lines of quarter section and drilling unit

WELL ACTIVITY

<table>
<thead>
<tr>
<th>TYPE OF AUTHORIZATION</th>
<th>WELL ACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class I</td>
<td>Class II</td>
</tr>
<tr>
<td>Class II</td>
<td>Class III</td>
</tr>
<tr>
<td>Brine Disposal</td>
<td>Enhanced Recovery</td>
</tr>
<tr>
<td>Hydrocarbon Storage</td>
<td></td>
</tr>
</tbody>
</table>

Number of Wells

Lease Name
NA

PLUG #1 PLUG #2 PLUG #3 PLUG #4 PLUG #5 PLUG #6 PLUG #7

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- The Balance Method
- The Dump Bailier Method
- The Two-Plug Method
- Other

CASMING AND TUBING RECORD AFTER PLUGGING

<table>
<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&quot;</td>
<td>27.66</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

- Size of Hole or Pipe in which Plug Will Be Placed (inches): 4
- Depth to Bottom of Tubing or Drill Pipe (ft): 1200
- Sacks of Cement To Be Used (each plug): 82
- Slurry Volume To Be Pumped (cu. ft.): 105
- Calculated Top of Plug (ft): 0
- Measured Top of Plug (if tagged ft): NA
- Slurry Wt. (Lb./Gal.): 15.4
- Type Cement or Other Material (Class III): V

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

From | To
--- | ---
1520 | 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

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

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 __ ft. frn (N/S) ___ Line of quarter section and __ ft. from (E/W) ___ Line of quarter section.

WELL ACTIVITY

CLASS I  CLASS II  CLASS III

Rule  Brine Disposal  Enhanced Recovery  Hydrocarbon Storage

Individual Permit  Area Permit

Number of Wells __

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

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

- **Surface Location Description**
  - Locate well in two directions from nearest lines of quarter section and drilling unit
  - Location 940 ft. from (N/S) Line of quarter section and 1050 ft. from (E/W) Line of quarter section.

---

**Name and Address of Owner/Operator**

**State**

**County**

**Permit Number**

AZ396000001

---

**Type of Authorization**

- Individual Permit
- Area Permit

**Number of Wells**

---

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

**Cementing to Plug and Abandon Data:**

- **Size of Hole or Pipe in which Plug Will Be Placed (inch):** 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)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**

[Signature]

**Date Signed**

10/01/2014

---

1 Intermediate plugs between screened intervals
# 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

Locate well in two directions from nearest lines of quarter section and drilling unit.

Surface Location Description:
- **Section**: 28  
  **Township**: 4S  
  **Range**: 9E  
- **Range**: 9E  
  **Township**: 4S  
  **Section**: 28

---

### Surface Location Description

- **NE 1/4 of SE 1/4 of SW 1/4**  
  **SW 1/4 of NE 1/4 of Section**: 28

---

### 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**
[Signature]

**Date Signed**
10/01/2014

---

### Estimated Cost to Plug Wells

$12,500 - abandonment costs

---

### CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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>28&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

---

### 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

---

### List All Open Hole and/or Perforated Intervals and Intervals Where Casing Will Be Varied (If any)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### 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**
[Signature]

**Date Signed**
10/01/2014

---

### 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**
[Signature]

**Date Signed**
10/01/2014

---

### 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**
[Signature]

**Date Signed**
10/01/2014
CONCRETE PAD
20-INCH MIN. BOREHOLE
SILICA SAND FILTER PACK
(No. 6-9 MESH)
5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN
(0.080-INCH WIDE SLOTS)
24-INCH MINIMUM STEEL SURFACE CASING, CEMENTED
STAINLESS STEEL CASING
CENTRALIZERS EVERY 40 FEET
TOP OF COATED CASING
14-INCH NOMINAL DIAMETER POLYETHYLENE COATED LCS CASING, BOTTOM 40 FEET OF OVERBURDEN CASING
FINE SAND (NO. 30-70 MESH)
TYPE V NEAT CEMENT SEAL
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
5-INCH NOMINAL DIAMETER SCH. 80 PVC BLANK CASING
5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN
(0.080-INCH WIDE SLOTS)
STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP
APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

0 FEET
20 FEET (MIN.)

FIGURE 1

TYPICAL PROPOSED INJECTION AND RECOVERY WELL
ABANDONMENT SCHEMATIC

FLORENCE COPPER, INC.
FLORENCE, ARIZONA

SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1
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

1/4 of SW 1/4 of NE 1/4 of SW 1/4 of Section 28
Township 4S Range 9E

Surface Location Description:

Locate well in two directions from nearest lines of quarter section and drilling unit
Surface Location: 1080 ft. from (N/S) Line of quarter section and 900 ft. from (E/W) Line of quarter section.

TYPE OF AUTHORIZATION

☑ Individual Permit
☐ Rule

Number of Wells: 1

WELL ACTIVITY

☑ CLASS II
☐ Class I
☐ Enhanced Recovery
☐ Hydrocarbon Storage

WELL ACTIVITY

CASED AND TUBING RECORD AFTER PLUGGING

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDON DATA:

| Size of Hole or Pipe in which Plug Will Be Placed (inches): | 5 |
| Depth to Bottom of Tubing or Drill Pipe (ft.): | 1200 |
| Sacks of Cement To Be Used (each plug): | 128 |
| Slurry Volume To Be Pumped (cu. ft.): | 163 |
| Calculated Top of Plug (ft.): | 0 |
| Measured Top of Plug (if tagged ft.): | NA |
| Slurry Wt. (Lb./Gal.): | 15.4 |
| Type Cement or Other Material (Class III): | V |

Intermediate plugs between screened intervals

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
</tr>
</tbody>
</table>

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

Intermediate plugs between screened intervals
PROPOSED DESIGN INJECTION AND RECOVERY WELL

CONCRETE PAD
24-INCH MINIMUM STEEL SURFACE CASING, CEMENTED
20-INCH MIN. BOREHOLE
SILICA SAND FILTER PACK (NO. 6-9 MESH)
5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)
CENTRALIZERS EVERY 40 FEET
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
5-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH O.D.)
24-INCH MINIMUM STEEL SURFACE CASING, CEMENTED
STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL

CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL
24-INCH MINIMUM STEEL SURFACE CASING, CEMENTED
20-INCH MIN. BOREHOLE
TYPE V CEMENT GROUT
LCS STEEL CASING CENTRALIZERS EVERY 40 FEET
14-INCH NOMINAL DIAMETER LOW-CARBON STEEL CASING, CEMENTED
5-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH O.D.)
TOP OF COATED CASING
14-INCH NOMINAL DIAMETER POLYETHYLENE COATED LCS CASING, BOTTOM 40 FEET OF OVERBURDEN CASING
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
12 1/4-INCH MIN. BOREHOLE
5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)
CENTRALIZERS EVERY 40 FEET
SILICA SAND FILTER PACK (NO. 6-9 MESH)
5-INCH NOMINAL DIAMETER SCH. 80 PVC BLANK CASING
FINE SAND (NO. 30-70 MESH)
STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

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

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. from (N/S) Line of quarter section
and 975 ft. from (E/W) Line of quarter section.

WELL ACTIVITY
☑ Area Permit
☐ Brine Disposal
☐ Enhanced Recovery
☐ Hydrocarbon Storage
☑ CLASS III

Class I
Class II
Class III

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

Casing and Tubing Record After Plugging

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>49.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

Cementing to Plug and Abandon Data:

<table>
<thead>
<tr>
<th>Size of Hole or Pipe in which Plug Will Be Placed (inch):</th>
<th>PLUG #1</th>
<th>PLUG #2</th>
<th>PLUG #3</th>
<th>PLUG #4</th>
<th>PLUG #5</th>
<th>PLUG #6</th>
<th>PLUG #7</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

EPA Form 7520-14 (Rev. 12-11)
PROPOSED DESIGN
INJECTION AND RECOVERY WELL

- CONCRETE PAD
- 20 INCH MINIMUM STEEL SURFACE CASING, CEMENTED
- 20-INCH MIN. BOREHOLE
- TYPE V NEAT CEMENT
- LCS STEEL CASING CENTRALIZERS EVERY 40 FEET
- 14-INCH NOMINAL DIAMETER LOW-CARBON STEEL CASING, CEMENTED
- 5-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH BOX O.D.)
- TOP OF COATED CASING
- 5-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH BOX O.D.)
- FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
- 12 1/4 -INCH MIN. BOREHOLE
- 5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)
- TYPE V NEAT CEMENT SEAL
- SILICA SAND FILTER PACK (NO. 6-9 MESH)
- 5-INCH NOMINAL DIAMETER SCH. 80 PVC BLANK CASING
- FINE SAND (NO. 30-70 MESH)
- STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
- PVC END CAP
- APPROXIMATELY 1,200 FEET
- APPROXIMATELY 1,210 FEET

TYPICAL PROPOSED INJECTION AND RECOVERY WELL
ABANDONMENT SCHEMATIC

_SCALE: NOT TO SCALE
AUGUST 2014
**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**

```
   N
  ____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of
   W
  ____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of
   E
  ____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of
   S
```

**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

**Surface Location**

Locate well in two directions from nearest lines of quarter section and drilling unit.

Location 1020 ft. frm (N/S) N Line of quarter section  
and 1040 ft. from (E/W) E Line of quarter section.

**Well Activity Type of Authorization**

- [ ] Individual Permit  
- [x] Area Permit  
- [ ] Rule

**Number of Wells**

- [ ]

**Casing and Tubing Record After Plugging**

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>3&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

**Method of Emplacement of Cement Plugs**

- [x] The Balance Method  
- [x] The Dump Bailer Method  
- [ ] The Two-Plug Method

**Other -20" bore hole will be grouted using the plug displacement method**

**Size of Hole or Pipe in which Plug Will Be Placed (inches):**

- 5

**Depth to Bottom of Tubing or Drill Pipe (ft.):**

- 1200

**Sacks of Cement To Be Used (each plug):**

- 128

**Slurry Volume To Be Pumped (cu. ft.):**

- 163

**Calculated Top of Plug (ft.):**

- 0

**Measured Top of Plug (if tagged ft.):**

- NA

**Slurry Wt. (Lb./Gal.):**

- 15.4

**Type Cement or Other Material (Class III):**

- V

**List All Open Hole and/or Perforated Intervals and Intervals Where Casing Will Be Varied (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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:**

[Signature]

**Date Signed:**

10/01/2014

**EPA Form 7520-14 (Rev. 12-11)**
CONCRETE PAD

20-INCH MIN. BOREHOLE

TYPE V NEAT CEMENT

LCS STEEL CASING CENTRALIZERS EVERY 40 FEET

14-INCH NOMINAL DIAMETER LOW-CARBON STEEL CASING, CEMENTED

6-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH BOX O.D.)

TOP OF COATED CASING

14-INCH NOMINAL DIAMETER POLYETHYLENE COATED LCS CASING, BOTTOM 40 FEET OF OVERBURDEN CASING

FINE SAND (NO. 30-70 MESH)

FIBERGLASS REINFORCED TO PVC PIPE ADAPTER

12 1/4-INCH MIN. BOREHOLE

5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)

TYPE V NEAT CEMENT SEAL

SILICA SAND FILTER PACK (NO. 6-9 MESH)

5-INCH NOMINAL DIAMETER SCH. 80 PVC BLANK CASING

FINE SAND (NO. 30-70 MESH)

STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET

PVC ENDCAP

APPROXIMATELY 1,200 FEET

APPROXIMATELY 1,210 FEET
**_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**

**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

**well activity**

- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

**method of emplacement of cement plugs**

- The Balance Method
- The Dump Bailer Method
- The Two-Plug Method
- Other method

**casing and tubing record after plugging**

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

**cementing to plug and abandon data**

- Size of Hole or Pipe in which Plug Will Be Placed (inches): 5
- Depth to Bottom of Tubing or Drill Pipe (ft.): 1200
- Sacks of Cement To Be Used (each plug): 128
- Slurry Volume To Be Pumped (cu. ft.): 163
- Calculated Top of Plug (ft.): 0
- Measured Top of Plug (if tagged ft.): NA
- Slurry Wt. (Lb./Gal.): 5.61
- 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)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>750</td>
<td>1760</td>
<td>960</td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**
Dan Johnson, VP Environmental and Technical Services

**signature**

**date signed**
10/01/2014
**United States Environmental Protection Agency**  
Washington, DC 20460

**PLUGGING AND ABANDONMENT PLAN**

**Name and Address of Facility**  
Florence Copper Project  
1575 W Hunt Hwy, Florence, AZ 85132

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

**Locate Well and Outline Unit on Section Plat - 640 Acres**

**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) Line of quarter section and 1190 ft. from (E/W) Line of quarter section.

**WELL ACTIVITY**

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

**TYPE OF AUTHORIZATION**

- Individual Permit
- Area Permit
- Rule
- Other

**Number of Wells**

- [ ]

**Lease Name**

- NA

**Well Number**

- R-07

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>3.3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

**CEMENTING TO PLUG AND ABANDON DATA:**

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

**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

**LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1520</td>
<td>720</td>
</tr>
<tr>
<td>1760</td>
<td>960</td>
</tr>
<tr>
<td>1000</td>
<td>1200</td>
</tr>
</tbody>
</table>

**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**

[Signature]

**Date Signed**

10/01/2014

---

**EPA Form 7520-14 (Rev. 12-11)**
PROPOSED DESIGN INJECTION AND RECOVERY WELL

CONCRETE PAD
24-INCH MINIMUM STEEL SURFACE CASING, CEMENTED
20-INCH MIN. BOREHOLE
SILICA SAND FILTER PACK (NO. 6-9 MESH)
5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)
CENTRALIZERS EVERY 40 FEET
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
5-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH BOX O.D.)
12 1/4-INCH MIN. BOREHOLE
5-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)
STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP
APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

PROPOSED PLUGGING AND ABANDONMENT INJECTION AND RECOVERY WELL

CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL
24-INCH MINIMUM STEEL SURFACE CASING, CEMENTED
CENTRALIZERS EVERY 40 FEET
FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
5-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH BOX O.D.)
12 1/4-INCH MIN. BOREHOLE
3-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.080-INCH WIDE SLOTS)
STAINLESS STEEL CASING CENTRALIZERS EVERY 40 FEET
PVC ENDCAP
APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET
## 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

![Section Plat Diagram]

**Surface Location Description**

- **State:** Arizona  
- **County:** Pinal  
- **Permit Number:** AZ396000001

Surface Location:  

- **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.** from (N/S) **Line of quarter section**  
- **1120 ft.** from (E/W) **Line of quarter section**

### TYPE OF AUTHORIZATION

- **Individual Permit**
- **Area Permit**
- **Rule**

**Number of Wells:**

- **1**

### CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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>24&quot;</td>
<td>94.62</td>
<td>20</td>
<td>20</td>
<td>28&quot;</td>
</tr>
<tr>
<td>14&quot;</td>
<td>45.68</td>
<td>490</td>
<td>490</td>
<td>20&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>14&quot;</td>
</tr>
<tr>
<td>5&quot;</td>
<td>3</td>
<td>690</td>
<td>690</td>
<td>12.25&quot;</td>
</tr>
</tbody>
</table>

**Lease Name:** NA

**Well Number:** R-08

### 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**  
  - **Size of Hole or Pipe in which Plug Will Be Placed (inches):** 5  
  - **Depth to Bottom of Tubing or Drill Pipe (ft.):** 1200  
  - **Sacks of Cement To Be Used (each plug):** 128  
  - **Slurry Volume To Be Pumped (cu. ft.):** 163  
  - **Calculated Top of Plug (ft.):** 0  
  - **Measured Top of Plug (if tagged ft.):** NA  
  - **Slurry Wt. (Lb./Gal.):** 15.4  
  - **Type Cement or Other Material (Class III):** V

### LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

- **From:** 1520  
- **To:** 720  
- **From:** 1760  
- **To:** 960  
- **From:** 1100  
- **To:** 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:** [Signature]

**Date Signed:** 10/01/2014

---

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

Surface Location Description
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. from (N/S) NE Line of quarter section and 1135 ft. from (E/W) E Line of quarter section.

Type of Authorization

Well Activity

Number of Wells

Lease Name
NA

Well Number
R-09

CASING AND TUBING RECORD AFTER PLUGGING

Size of Hole or Pipe in which Plug Will Be Placed (inches):
8

Depth to Bottom of Tubing or Drill Pipe (ft.):
1200

Sacks of Cement To Be Used (each plug):
329

Slurry Volume To Be Pumped (cu. ft.):
419

Calculated Top of Plug (ft.):
0

Measured Top of Plug (if tagged ft.):
NA

Slurry Wt. (Lb./Gal.):
15.4

Type Cement or Other Material (Class III):
V

METHOD OF EMPLACEMENT OF CEMENT PLUGS

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

PLUG #1
PLUG #2
PLUG #3
PLUG #4
PLUG #5
PLUG #6
PLUG #7

Cementing To Plug and Abandon Data:

From
1520
1760
1000

To
720
960
1200

List all open hole and/or perforated intervals and intervals where casing will be varied (if any)

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
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

State
Arizona

County
Pinal

Permit Number
AZ396000001

Locate Well and Outline Unit on Section Plat - 640 Acres

Surface Location Description
SW \(\frac{1}{4}\) of NE \(\frac{1}{4}\) of SW \(\frac{1}{4}\) of Section 28

Well Activity

- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

Individual Permit

Area Permit

Number of Wells

Lease Name
NA

Well Number
WB-01

CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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>16&quot;</td>
<td>31.66</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2</td>
<td>690</td>
<td>690</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

CEMENTING TO PLUG AND ABANDONMENT DATA:

- Size of Hole or Pipe in which Plug Will Be Placed (inch): 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

METHOD OF EMPLACEMENT OF CEMENT PLUGS

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

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1525</td>
<td>600</td>
<td>1125</td>
<td>1200</td>
</tr>
<tr>
<td>675</td>
<td>750</td>
<td>825</td>
<td>900</td>
</tr>
<tr>
<td>975</td>
<td>1050</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

EPA Form 7520-14 (Rev. 12-11)
**CONCRETE PAD**

**PROPOSED DESIGN**

**MULTI-LEVEL SAMPLING WELL**

- Concrete Pad 0 feet
- 16-inch minimum steel surface casing, cemented
- Silica sand filter pack (No. 10-20 mesh)
- 4-inch nominal diameter Sch. 80 PVC screen (0.020-inch wide slots)
- 16-inch minimum steel surface casing, cemented
- Stainless steel casing
  - Centralizers every 40 feet
- Fiber glass reinforced to PVC pipe adapter
- 4-inch nominal diameter Sch. 80 PVC blank casing
- Type V Neat cement
- 10-inch minimum borehole
- Fine sand (No. 30-70 mesh)
- Type V Neat cement seal
- Type V cement grout
- PVC endcap

**PROPOSED PLUGGING AND ABANDONMENT**

**MULTI-LEVEL SAMPLING WELL**

- Casing removed to 5 feet, backfilled with native material
- 16-inch minimum steel surface casing, cemented
- Stainless steel casing
  - Centralizers every 40 feet
- Fiber glass reinforced to PVC pipe adapter
- 4-inch nominal diameter Sch. 80 PVC screen (0.020-inch wide slots)
- Type V Neat cement seal
- Type V cement grout
- Type V cement grout
- PVC endcap

**APPROXIMATELY 1,200 FEET**

**APPROXIMATELY 1,210 FEET**

**MULTI-LEVEL SAMPLING**

**PROPOSED WELL**

**ABANDONMENT SCHEMATIC**

**SCALE: NOT TO SCALE**

**AUGUST 2014**

**FIGURE 1**
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

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) Line of quarter section and 1000 ft. from (E/W) Line of quarter section.

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)

Signature
Dan Johnson, VP Environmental and Technical Services
Date Signed
10/01/2014

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

SILICA SAND FILTER PACK (NO. 10-20 MESH)

4-INCH NOMINAL DIAMETER SCH. 80 PVC
SCREEN (0.020-INCH WIDE SLOTS)

16-INCH MINIMUM STEEL SURFACE CASING, CEMENTED
STAINLESS STEEL CASING
CEN TRALIZERS EVERY 40 FEET

FINE SAND (NO. 30-70 MESH)

TYPE V NEAT CEMENT

TYPE V NEAT CEMENT SEAL

4-INCH NOMINAL DIAMETER SCH. 80 PVC BLANK CASING

SILICA SAND FILTER PACK (NO. 30-70 MESH)

TYPE V CEMENT GROUT

4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN
(0.020-INCH WIDE SLOTS)

TYPE V CEMENT GROUT

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

FIBERGLASS REINFORCED TO PVC PIPE ADAPTER

4-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH BOX O.D.)

TYPE V NEAT CEMENT SEAL

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

CASING REMOVED TO 5 FEET, BACKFILLED WITH NATIVE MATERIAL
CIMENTED

CENTRALIZERS EVERY 40 FEET

STAINLESS STEEL CASING
CEN TRALIZERS EVERY 40 FEET

FINE SAND (NO. 30-70 MESH)

PVC ENDCAP

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

MULTI-LEVEL SAMPLING PROPOSED WELL
ABANDONMENT SCHEMATIC
SCALE: NOT TO SCALE
AUGUST 2014

FIGURE 1
## 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

![Diagram of locate well and outline unit on section plat]

### Surface Location Description

- **Surface Location:** 1120 ft. from (N/S) Line of quarter section and 1045 ft. from (E/W) Line of quarter section.

### Type of Authorization

- Individual Permit
- Area Permit
- Rule

### Well Activity

- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage

### Lease Name
NA

### Well Number
WB-03

### CASING AND TUBING RECORD AFTER PLUGGING

<table>
<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>16&quot;</td>
<td>31.66</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2</td>
<td>690</td>
<td>690</td>
<td></td>
</tr>
</tbody>
</table>

### CEMENTING TO PLUG AND ABANDON DATA:

- Size of Hole or Pipe in which Plug Will Be Placed (inches): 4
- Depth to Bottom of Tubing or Drill Pipe (ft.): 1200
- Sacks of Cement To Be Used (each plug): 82
- Slurry Volume To Be Pumped (cu. ft.): 105
- Calculated Top of Plug (ft.): 0
- Measured Top of Plug (if tagged ft.): NA
- Slurry Wt. (Lb./Gal.): 15.4
- Type Cement or Other Material (Class III): V

### METHOD OF EMLACEMENT OF CEMENT PLUGS

- The Balance Method
- The Dump Bailier Method
- The Two-Plug Method
- Other

### LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1525</td>
<td>600</td>
<td>1125</td>
<td>1200</td>
</tr>
<tr>
<td>675</td>
<td>750</td>
<td>825</td>
<td>900</td>
</tr>
<tr>
<td>975</td>
<td>1050</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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: Dan Johnson, VP Environmental and Technical Services  
Date Signed: 10/01/2014

---

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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
- **1080 ft.** frm (E/W) **E** Line of quarter section.

**TYPE OF AUTHORIZATION**

- Individual Permit
- Area Permit [✔]
- Rule

**Number of Wells**

- [ ]

**WELL ACTIVITY**

- CLASS I
- CLASS II
- Brine Disposal
- Enhanced Recovery
- Hydrocarbon Storage [✔]
- CLASS III

**CASING AND TUBING RECORD AFTER PLUGGING**

<table>
<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>16&quot;</td>
<td>31.66</td>
<td>20</td>
<td>20</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>5.61</td>
<td>510</td>
<td>510</td>
<td>20&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>2</td>
<td>690</td>
<td>690</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

**CEMENTING TO PLUG AND ABANDON DATA:**

- **Size of Hole or Pipe in which Plug Will Be Placed (inches):** 4
- **Depth to Bottom of Tubing or Drill Pipe (ft.):** 1200
- **Sacks of Cement To Be Used (each plug):** 82
- **Slurry Volume To Be Pumped (cu. ft.):** 105
- **Calculated Top of Plug (ft.):** 0
- **Measured Top of Plug (if tagged ft.):** NA
- **Slurry Wt. (Lb./Gal.):** 15.4
- **Type Cement or Other Material (Class III):** V

**METHOD OFEMPLACEMENT OF CEMENT PLUGS**

- The Balance Method [✔]
- The Dump Bailer Method
- The Two-Plug Method
- Other

**LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (if any)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1525</td>
<td>600</td>
<td>1125</td>
<td>1200</td>
</tr>
<tr>
<td>675</td>
<td>750</td>
<td></td>
<td></td>
</tr>
<tr>
<td>825</td>
<td>900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>975</td>
<td>1050</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**
Dan Johnson, VP Environmental and Technical Services

**Signature**

**Date Signed**
10/01/2014

**EPA Form 7520-14 (Rev. 12-11)**
PROPOSED DESIGN
MULTI-LEVEL
SAMPLING WELL

- CONCRETE PAD 0 FEET
- 20 FEET (MIN.)
- SILICA SAND FILTER PACK (NO. 10-20 MESH)
- 4-INCH NOMINAL DIAMETER SCH. 80 PVC SCREEN (0.020-INCH WIDE SLOTS)
- 16-INCH MINIMUM STEEL SURFACE CASING, CEMENTED STAINLESS STEEL CASING
- CENTRALIZERS EVERY 40 FEET
- FIBERGLASS REINFORCED TO PVC PIPE ADAPTER
- 4-INCH NOMINAL FIBERGLASS REINFORCED CASING (4.71-INCH I.D., 6.25-INCH BOX O.D.)
- TYPE V NEAT CEMENT
- 10-INCH MINIMUM BOREHOLE
- FINE SAND (NO. 30-70 MESH)
- TYPE V CEMENT GROUT
- PVC ENDCAP

APPROXIMATELY 1,200 FEET
APPROXIMATELY 1,210 FEET

MULTI-LEVEL SAMPLING PROPOSED WELL
ABANDONMENT SCHEMATIC

SCALE: NOT TO SCALE
AUGUST 2014