

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
March 4, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-13114
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Coldiron Com A
8. Well Number 1
9. OGRID Number 000778
10. Pool name or Wildcat Blanco Pictured Cliffs

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL Sect Twp Rng Pit type Depth to Groundwater Distance from nearest fresh water well

Distance from nearest surface water Below-grade Tank Location UL Sect Twp Rng ;

feet from the line and feet from the line

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP requests permission to plug and abandon the subject well as per the attached procedure.

JUN 2006

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 05/30/2006

Type or print name Cherry Hlava E-mail address: hlavaci@bp.com Telephone No. 281-366-4081

(This Space for State Use)

APPROVED BY H. Villanueva TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 1 DATE JUN 05 2006
Conditions of approval, if any:

SJ Basin Plugging Procedure

Well Name: Coldiron Com A1
Date: May 22, 2006
Repair Type: P&A
API #: 30-045-13114
Location: T30N-R11W-Sec2
County: San Juan
State: New Mexico
Horizon: DK
Engr: Keith Clopton ph (281) 366-1266

Objective: P&A for wellbore.

1. TIH with tubing and overshot to top of fish with workover rig.
2. RU coil tubing unit.
3. Pump cement plugs and remove wellhead.

History: well was worked on 3/05 and found that the tubing had been cemented in the wellbore from 664' to 1868'. In the process of finding this out a hole may have been created in the 4-1/2" production casing at 655-662'.

Procedure:

1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead; if earth pit is required have One Call made 48 hours prior to digging.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and scheduling to ready location for rig..
3. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
4. Notify BLM and NMOCD 24 hours prior to beginning P&A operations.
5. MIRU workover rig. LOTO all necessary equipment including but not limited to: meter run, automation, separator, and water line.
6. Blow down well. Pump 2% KCL water to ensure well is full. There is not tubing in this well. Check well for water flow. Suspected hole in casing at 655-662'.
7. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
8. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. This is a P&A so the well should

18. RU coil tubing unit. RIH with seal stinger to sting into EZSV at +/- 5800'. Once inside EZSV establish injection rate into formation and ensure backside (2-3/8" x 4-1/2") is full of water. **Bull head** cement volume to fill annulus (4-1/2" x 6-3/4" hole") from 5800' to 4893'. Pull out of EZSV and circulate clean. Circulate while POOH with coil tubing to ensure tubing is clean of cement. WOC. *Leave plug in pipe to 5765 to come 9/16/00*
19. RU and pressure test wireline unit. Make gauge ring run and dummy run to 4050'. *Tag cement*
20. RU and pressure test E-line equipment and lubricator. RIH with 1-11/16" hollow carrier **Tubing punch**. A hollow carrier needs to be run so no gun debris is left in the tubing that could possibly stick the coil tubing. **Tubing punch the tubing at 4025'**. POOH
21. RU and pressure test E-line equipment and lubricator. RIH with 1-11/16" hollow carrier **Tubing punch**. A hollow carrier needs to be run so no gun debris is left in the tubing that could possibly stick the coil tubing. **Tubing punch the tubing at 1880'**. POOH
22. RU and pressure test wireline unit. Make gauge ring run to 4050'. This run is needed to ensure that no debris was left in the tubing before running the EZSV.
23. RIH with EZSV for 2-3/8" tubing. **Set EZSV at +/- 4000'** (not in a collar). Depth correlation should be good and tied-in to perforating run.
24. RU coil tubing unit. RIH with seal stinger to sting into EZSV at +/- 4000'. Once inside EZSV establish circulation out tubing punch at 4025' and back in at 1880' then back up coil tubing x tubing annulus. Pump enough cement **volume to fill annulus (4-1/2" x 2-3/8") from 4025' to 1880'**. **This will require taking returns up the 2-3/8" by coil tubing annulus.** Pull out of EZSV and lay cement from 4000' to 660' while POOH with coil tubing.
25. Once at 660' circulate coil tubing and tubing clean at this depth. Then continue to circulate while POOH with coil tubing to ensure tubing is clean of cement. If heavy cement returns are encounter make sure overshot has a full column of water on its backside.
26. Once coil tubing is out of the hole, POOH with the 2-3/8" tubing and overshot to ensure tubing does not get cemented into the casing.
27. **RD and release Coil tubing unit.** WOC.
28. Pressure test 4-1/2" casing. If casing will not pressure test make a bit and scrapper run to clean casing. RIH and set 4-1/2" EZSV just above the top of the cut-off tubing stub +/- 550'. RIH with tubing and stab into EZSV. Establish circulation between the 4-1/2" and 8-5/8" annulus. Pump and displace a 550' plug from 550' to surface both inside and outside 4-1/2" casing. Shut in the bradenhead and attempt to squeeze cement down to the estimated TOC at 989'. Be careful not to break down the formation during the surface squeeze job. This should put cement across surface casing shoe all the way to surface and inside the 4-1/2" x 8-5/8" annulus. *Note Hole is CSG 655 - 662*
29. Perform underground disturbance and hot work permits. Cut off tree.

Top of Cement Calculations

Class A w/12% gel yields 2.2 cu ft/sx.

$$350 \text{ sxs } (2.20 \text{ cu ft/sx}) = 770 \text{ cu ft}$$

$$770 \text{ cu ft} / (5.615 \text{ cu ft/bbl}) = 137.12 \text{ bbls of cement}$$

$$4\text{-}1/2'' \text{ casing by } 6\text{-}3/4'' \text{ hole} = (6.75 \text{ sq} - 4.5 \text{ sq}) 0.0009714 = 0.02458 \text{ bbls/ft}$$

$$137.12 \text{ bbls} / .02458 \text{ bbls/ft} = 5576.6 \text{ feet } (.7) = 3903.6'$$

$$\text{DV tool at } 4893 - 3903.6 = 989'$$

TOC @ 989' using 70% of actual volume.

