

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED

MAR - 5 2010

Sundry Notices and Reports on Wells

Bureau of Land Management
Denver, Colorado

1. Type of Well
GAS

2. Name of Operator

BURLINGTON

RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

Unit A (NENE), 1000' FNL & 1180' FEL, Section 36, T31N, R14W, NMPM

5. Lease Number
MOO-C01420-0626
6. If Indian, All. or
Tribe Name
Ute Mtn Tribal
7. Unit Agreement Name

8. Well Name & Number
Pinon Mesa A 1

9. API Well No.

30-045-21604

10. Field and Pool
Basin Fruitland Coal
Basin Dakota
11. County and State
San Juan Co., NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent ☒ Abandonment ☐ Change of Plans ☒ Other -
☐ Recompletion ☐ New Construction
☐ Subsequent Report ☐ Plugging ☐ Non-Routine Fracturing
☐ Final Abandonment ☐ Casing Repair ☐ Water Shut off
☐ ☐ Altering Casing ☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Burlington Resources wishes to P&A this wellbore per attached procedures and wellbore schematic.

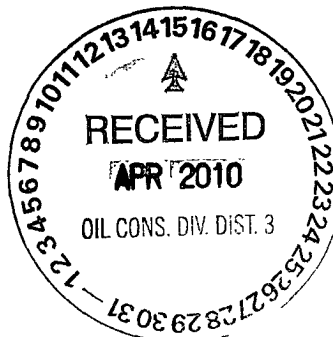
**SEE ATTACHED
CONDITIONS OF APPROVAL****14. I hereby certify that the foregoing is true and correct.**Signed Rhonda Rogers Rhonda Rogers Title Staff Regulatory Technician Date 3/1/10

(This space for Federal or State Office use)

APPROVED BY [Signature] Title MRSC Date 4/9/2010

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



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PLUG AND ABANDONMENT PROCEDURE

February 19, 2010

Pinon Mesa A #1

Basin Dakota

1000' FNL, 1180' FEL, Section 36, T31N, R14W, San Juan County, New Mexico

API 30-045-21604 / Long – 108° 15' 7.8" W / Lat: 36° 51' 43.14" N

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes ☐ , No ☒ , Unknown ☐ .
Tubing: Yes ☒ , No ☐ , Unknown ☐ , Size 2.375" , Length 1261' .
Packer: Yes ☐ , No ☒ , Unknown ☐ , Type .
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. TOH and tally the 2.375" tubing. Prepare 5200' of 2.375" workstring. PU a 3.875" bit and 6 – 3.125" drill collars and TIH to tag the existing CIBP at 13220'. Rig up drilling equipment and drill out the CIBP at 1320'. Then drill out the next CIBP at 1557'. Chase both plugs to below 6200'. TOH and LD bit and drill collars.
5. **Plug #1 (Dakota perforations and top, 6148' – 6048')**: TIH and set 4.5" CR at 6148'. Pressure test tubing to 1000#. Attempt to load casing with water and circulate well clean. Mix 20 sxs Class B cement (extra due to FtC perforations being open) and spot a balanced plug inside the casing above the CR to isolate the Dakota interval. TOH with tubing.
6. **Plug #2 (Gallup top, 5334' to 5234')**: Perforate 3 HSC holes at 5334'. TIH and set a CR at 5284'. Establish a rate into the squeeze holes. Mix 51 sxs Class B cement, squeeze 39 sxs outside the casing and leave 17 sxs inside casing (excess due to FtC perfs) to cover the Gallup top. TOH with tubing.
7. **Plug #3 (Mesaverde top, 3187' to 3087')**: Depending on the capability to establish circulation to surface with the FtC perforations open, pump the appropriate amount of water before mixing cement. Mix 20 sxs Class B cement (excess due to FtC perfs) and set a balanced plug to cover the top of the Mesaverde zone. TOH with tubing.
8. **Plug #4 (Pictured Cliffs top and Fruitland perforations and top, 1555' to 1115')**: Pump the appropriate amount of water before mixing cement. Mix 50 sxs Class B cement (long plug, 50% excess due to FtC perfs) and spot a balanced plug to cover the PC and Fruitland tops, filling the perforations. TOH with tubing and WOC. Tag cement and then pressure test the 4.5" casing to 500 PSI.

9. **Plug #5 (8.625" Surface casing shoe, 254' to Surface):** Perforate 3 squeeze holes at 254'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 85 sxs Class B cement and pump down the 4.5" casing to circulate good cement out bradenhead. Shut in well and WOC.
10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Pinon Mesa A #1

Current

Basin Dakota

1000' FNL & 1180' FEL, Section 36, T-31-N, R-14-W, San Juan County, NM

Long: 108° 15' 7.801" W / Lat: 36° 51' 43.139" N / API 30-045- 21604

Today's Date: 2/19/10
Spud: 12/9/74
DK Comp: 1/9/75
FtC Comp: 10/08/01
Elevation: 5685' GL
5698' KB

Fruitland Coal @ 1165'

Pictured Cliffs @ 1505'

Mesaverde @ 3137'

Gallup @ 5284'

Dakota @ 6186'

12.25" Hole

7.875" Hole

8.625" 32.3# casing set @ 204'
Cement with 225 cf, circulated to surface

TOC @ 850' (TS)

CIBP set at 1320' (2005)

Fruitland Coal Perforations:
1371' – 1506'

CIBP set at 1557' (2001)

DV Tool @ 1858'
2nd Stage: Cmt with 675 cf

TOC @ 3084' (Calc, 75%)

DV Tool @ 4410'
2nd Stage: Cmt with 403 cf

TOC @ 5410 (Calc., 75%)

Dakota Perforations:
6198' – 6274'

CIBP 6300'

4.5" 10.5#, Casing @ 6447'
Cement 1st Stage with 315 cf

6447' TD
6430' PBTD

Pinon Mesa A #1

Proposed Plugged

Basin Dakota

1000' FNL & 1180' FEL, Section 36, T-31-N, R-14-W, San Juan County, NM

Long: 108° 15' 7.801" W / Lat: 36° 51' 43.139" N / API 30-045- 21604

Today's Date: 2/19/10
Spud: 12/9/74
DK Comp: 1/9/75
FTC Comp: 10/08/01
Elevation: 5685' GL
5698' KB

12.25" Hole

8.625" 32.3# casing set @ 204'
Cement with 225 cf, circulated to surface

Perforate at 254'

Plug #5: 254' to Surface
Class B cement, 85 sxs

TOC @ 850' (TS)

Fruitland Coal @ 1165'

Plug #4: 1555' to 1115'
Class B cement, 50 sxs,
(long plug, 50% excess)

Fruitland Coal Perforations:
1371' – 1506'

Pictured Cliffs @ 1505'

DV Tool @ 1858'
2nd Stage: Cmt with 675 cf

Mesaverde @ 3137'

TOC @ 3084' (Calc, 75%)

Plug #3: 3187' to 3087'
Class B cement, 20 sxs

DV Tool @ 4410'
2nd Stage: Cmt with 403 cf

Gallup @ 5284'

Set CR at 5284'

Perforate at 5334'

Plug #2: 5334' to 5234'
Class B cement, 56 sxs;
39 sxs outside casing and
17 sxs inside.

TOC @ 5410 (Calc., 75%)

Set CR at 6148'

Plug #1: 6148' to 6048'
Class B cement, 20 sxs

Dakota @ 6186'

Dakota Perforations:
6198' – 6274'

CIBP 6300'

7.875" Hole

4.5" 10.5# Casing @ 6447'
Cement with 315 cf

6447' TD
6430' PBTD

Burlington Resources Oil & Gas Company
Tribal Lease: MOO-C-1420-0626
Well: Pinon Mesa A #1
Location: 1000' FNL & 1180' FEL
Sec. 36, T. 31 N., R. 14 W.
San Juan County, New Mexico

3160

Conditions of Approval - Notice of Intent to Abandon:

1. Notify this office at least **72 hours** prior to commencing plugging operations.
2. Approval of this Notice of Intent to Abandon (NIA) is for down hole plugging only.
3. Materials used will be accurately measured.
4. A tank or approved pit must be used for containment of any fluids from the wellbore during plugging operations. All unattended pits are to be fenced.
5. Pits are not to be used for disposal of any unauthorized materials.
6. All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.
 - 6a. Cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100 ft. of the casing or annular void(s) between casings, plus 10% excess volume per 1000 ft. of depth.**
 - 6b. Surface plugs must be a minimum of 50 ft. within casing and annular voids.**
 - 6c. Cement plugs placed to fill an open hole shall have sufficient volume to fill a minimum of 100 ft. of open hole, plus 10% excess volume per 1000 ft. of depth.**
 - 6d. An additional plug, Plug 3(a) must be placed midway between the top of cement at 3084 ft. and the DV tool at 1858 ft. This plug must be placed both inside and outside the casing, the same as plug #2.**
 - 6e. Plug #5 should be set at 500 ft. instead of 254 ft. to protect groundwater.**
7. The well must be filled with a wellbore mud sufficient to stabilize the wellbore. In the absence of any formation pressure data provided by the operator, this mud will have a minimum weight of **9 ppg**. The mud must be left between all plugs.

Continued on Page 2.

8. A blowout preventer and related equipment shall be installed and tested prior to working in a wellbore with any exposed zones (a) that are overpressured, (b) where pressures are unknown, or (c) known to contain H₂S.

9. Within 30 days after plugging of the well, file 5 copies of a Subsequent Report of Abandonment Sundry Notice to this office. This report should include the following information:

- a. Date(s) of plugging operations.
- b. Procedure used to plug the well.
- c. Depth of plugs.
- d. Type and volume of plugs set.
- e. Casing types/lengths left in the well.

Surface Use Conditions of Approval:

This approval is for the completion of the downhole plugging portion of the well only. Surface reclamation must be completed, weed free vegetation established, and site accepted by the BIA prior to closure and bond release.

The Bureau of Land Management, SJPLC (david_swanson@co.blm.gov or 970.385.1370) shall be notified at least 48 hours prior to commencement of surface reclamation. The BIA-UMU (970.565-6094) and UMU Tribal Energy at 970.564-5690 prior to surface reclamation procedures for specific requirements and seed mixtures.

- The pits and boreholes shall be filled, access road restored, surface re-contoured to blend with surrounding terrain, top soil evenly redistributed.
- Well equipment, dead-men, concrete slabs, cables, piping and trash shall be removed, slash piles chipped and scattered.
- The site shall require weed control, soil preparation and reseeded with a BIA approved seed mix and shall be monitored for self-sustaining growth. **A full list of "Oil and Gas Well Surface Reclamation" requirements is available through the BLM.**

According to the regulations in 43 CFR 3162.3-4, a well site is to be reclaimed and re-vegetated directly following plugging. The BLM-SJRA stipulates that **surface reclamation** be completed within 180 days of final plugging operation completion. When re-vegetation has subsequently been re-established, BLM shall be notified by the operator with a Final Abandonment Notice. A field inspection will then be arranged between the SUT/UMU Tribe, the BLM and the respective BIA agency, so that the well pad can be inspected for release from bond liability.