

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  
Jun 19, 2008

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

WELL API NO. <b>30-045-07806</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. FEE
7. Lease Name or Unit Agreement Name <b>Mangum</b>
8. Well Number <b>2</b>
9. OGRID Number <b>14538</b>
10. Pool name or Wildcat <b>Fulcher Kutz Pictured Cliffs</b>

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other P&A

2. Name of Operator  
**Burlington Resources Oil Gas Company LP**

3. Address of Operator  
P.O. Box 4289, Farmington, NM 87499-4289

4. Well Location

Unit Letter **K** : **1650** feet from the **South** line and **1650** feet from the **West** line  
Section **28** Township **29N** Range **11W** NMPM **San Juan County**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5438' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☒  
CASING/CEMENT JOB ☐

OTHER: ☐

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.

The subject well was P&A'd on 2/13/2017 per the attached notifications and report.

Approved for plugging of wellbore only.  
Liability under bond is retained pending  
Receipt of C-103 (Subsequent Report of Well  
Plugging) which may be found @ OCD web  
page under forms  
[www.emnrd.state.us/ocd](http://www.emnrd.state.us/ocd)

Spud Date:

Rig Released Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Dollie L. Busse TITLE Regulatory Technician DATE 2/27/2017

Type or print name Dollie L. Busse E-mail address: dollie.l.busse@conocophillips.com PHONE: 505-324-6104

For State Use Only

APPROVED BY: Monica Kuchling TITLE Deputy Oil & Gas Inspector, District #3 DATE MAR 12 2017  
Conditions of Approval (if any): AV

OIL CONS. DIV DIST. 3  
FEB 27 2017

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# A-PLUS WELL SERVICE, INC.

P.O. BOX 1979  
Farmington, New Mexico 87499  
505-325-2627 \*fax: 505-325-1211

Burlington Resources

February 13, 2017

## Mangum #2

Page 1 of 2

1650' FSL and 1650' FWL, Section 28, T-29-N, R-11-W

San Juan County, NM

Lease Number: FEE

API #30-045-07806

**Plug and Abandonment Report**  
Notified NMOCD and BLM on 1/23/17

### Plug and Abandonment Summary:

- Plug #1** Pictured Cliffs top, with 10 sxs Class B cement (15.6 ppg, 11.8 cf) from 1502' to 1272' no tag required because casing pressure tested.
- Plug #2** Fruitland top with bi-wire holes at 1078', with 65 sxs Class B cement (15.6 ppg 76.7 cf) from 1078' to 918' with 7 sxs inside and 58 sxs outside. Tag TOC at 871'.
- Plug #3** the Kirtland top with bi-wire holes at 457', with 89 sxs Class B cement (15.6 ppg 105.02 cf) from 457' to 342' with 84 sxs outside and 5 sxs inside. Tag TOC at 357'.
- Plug #4** Ojo Alamo top with bi-wire holes at 300', with 127 sxs Class B cement (15.6 ppg 149.86 cf) from 300' to 254' with 125 sxs outside and 2 sxs inside. Tag TOC at 260'.
- Plug #4a** Ojo Alamo top with bi-wire holes at 250', with 169 sxs Class B cement (15.6 ppg 199.4 cf) with 2% CaCl from 250' to 150' leaving 167 sxs in the annulus and 2 sxs inside the casing. Tag TOC at 195'.
- Plug #5** surface casing shoe with 170 sxs Class B cement (15.6 ppg 200.6 cf) with 3% CaCl from 103' to 70'.
- Plug #6** with 56 sxs Class B cement top off casings and install P&A marker with coordinates 36° 41' 38.88" N / 108° 0' 1.61" W.

### Plugging Work Details:

- 1/25/17 Attempt to MOL, unable due to muddy conditions. Wait on orders. Received orders to MOL on freeze. SDFD.
- 2/1/17 Rode rig and equipment to location. Spot in and RU. Check well pressures: no tubing, intermediate casing 0 PSI and bradenhead 3 PSI. RU relief lines and blow well down. NU BOP and function test. RU A-Plus wireline. Round trip 3.5" GR to 1520'. PU 3.5" CIBP and set at 1502'. Tally 1-1/4" EUE A-Plus workstring, PU 49 tag up at 1502'. Establish circulation. Pressure test casing to 800 PSI, OK. SI well. SDFD.
- 2/2/17 Check well pressures: tubing and casing 0 PSI, bradenhead 3 PSI. RU relief lines. Function test BOP. Establish circulation. Note: Jose Morales, COPC received approval to not run CBL. **Spot plug #1** with calculated TOC at 1272'. RU A-Plus wireline. Perforate 4 bi-wire holes at 1078'. Establish rate of 4 bpm at 1000 PSI. Note: Jose Morales, COPC received approval to not use CR on Plug #2. **Spot plug #2** with calculated TOC at 918'. SI well. SDFD.
- 2/3/17 Check well pressures: no tubing, casing 0 PSI and bradenhead 29 PSI. RU relief lines and blow well down. TIH and tag TOC at 871'. RU A-Plus wireline. Perforate 4 bi-wire holes at 457'. Establish rate of 5 bpm at 600 PSI. Pump 100 gal scavenger down well. Establish circulation. Wait on orders. Note: NMOCD request to isolate the Kirtland and Ojo Alamo due to bradenhead pressure, Jose Morales, COPC, and received approval to not use CR on Plug #3. **Spot plug #3** with calculated TOC at 342'. SI well. SDFD.



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Mangum #2

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## Plugging Work Details (continued):

- 2/6/17 Check well pressures: no tubing, bradenhead 3 PSI and Intermediate casing 0 PSI. RU relief lines. Note: bradenhead has a slight flow of water, monitor for change and no change. TIH and tag TOC at 357'. TOH and LD all tubing. Wait on orders. Note: Jose Morales, COPC, received approval to pump 150' outside and 50' inside the casing starting at 300'. RU A-Plus wireline. Perforate 4 bi-wire holes at 300. Establish rate of 1 bpm at 0 PSI. **Spot plug #4** with calculated TOC at 254'. SI well. SDFD.
- 2/7/17 Check well pressures: no tubing, intermediate casing 0 PSI and bradenhead 16 PSI. Note: the bradenhead blew down immediately and after 5 minutes it started to flow water. Pressure test casing to 500 PSI, OK. TIH and tag TOC at 260'. LD all tubing. Wait on orders. Note: Jose Morales, COPC, received approval on procedure change. RU A-Plus wireline. Perforate 4 bi-wire holes at 250'. POH. Water flowing out casing, bradenhead no flow. Establish rate of 4 bpm at 400 PSI. Bradenhead circulated. Establish rate of 4 bpm at 0 PSI. Pumped 7 bbls of water with no change on the casing flow. Connect line to the casing valve. Establish rate of 4 bpm at 250 PSI. Wait on orders. Note: Jose Morales, COPC, received approval on procedure change. Pre-mix 2% Calcium Chloride. **Spot plug #4a** with calculated TOC at 150'. WOC overnight. SI well. SDFD.
- 2/8/17 Open up well; no pressures. RU relief lines. Function test BOP. TIH and tag TOC at 195'. RU A-Plus wireline. Perforate 4 bi-wire holes at 103'. Establish circulation. Pre-mix 3% Calcium Chloride. **Spot plug #5** with calculated TOC at 70'. SI well. SDFD.
- 2/9/17 Open up well; no pressures. RU relief lines and blow well down. Get 17% LEL reading on 4 gas monitor. Slight water flow (drips). Function test BOP. Wait on orders. Note: received orders to let well vent for 2 hours and SI well for 2 hours. Vent bradenhead to pit. SI well. Check bradenhead pressure 2 PSI on valve, 5% LEL, 17 PPM. Note: Jose Morales, COPC request to vent bradenhead overnight to pit. ND BOP. SI well. Bradenhead venting to pit. SDFD.
- 2/10/17 Open up well; no pressures. Bradenhead was venting to pit overnight. Check bradenhead valve for any gas reading, no reading of any type of gas on 4 gas monitor. SI well for 2 hrs. Check bradenhead pressures, 1 PSI. Monitor well for LEL 13%, 72 PPM CO. Wait on orders. Note: Jose Morales, COPC, and Thomas Vermersch, NMOCD request to vent to pit over weekend. Perform a 30 minute shut in on 2/13/17. RU relief lines and open pit for vent over weekend. SI casing and intermediate, no tubing. SDFD.
- 2/13/17 Open up well; no pressures. No tubing. Bradenhead venting to pit. SI bradenhead for 30 minutes. Check bradenhead 1 PSI. Monitor well for gas with 0% LEL and 1 PPM CO. Write Hot Work Permit. Cut off wellhead. Found cement down 90' in casing and at surface. **Spot plug #6** top off casings and install P&A marker with coordinates 36° 41' 38.88" N / 108° 0' 1.61" W. RD and MOL.

Jose Morales, COPC representative, was on location.

Thomas Vermersch, NMOCD representative, was on location.

## **Mangum 2**

API #30-045-07806

Fulcher Kutz Pictured Cliffs

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**2/01/2017** – Contacted Brandon Powell/OCD to request that CBL in procedure be eliminated as it is not necessary. Verbal approval rec'd.

**2/02/2017** – Contacted B. Powell/OCD to request permission to use wire-line to tag plug with weight and leave overnight. Verbal approval rec'd.

**2/03/2017** – Contacted B. Powell/OCD re FC & Kirtland plugs. OCD had requested spit plugs due to BH pressure. Proposed set plug from 457'-357', perf @ 300' and set CR. WOC & shut down for weekend. Verbal approval rec'd.

**2/06/2017** – Contacted B. Powell/OCD. Checked BH pressure in a.m.: 3psi, pencil thick stream of water. Propose to proceed w/Ojo plug, perf @ 300', spot plug @ 150'-300' (50% excess). Verbal approval rec'd.

**2/07/2017** – Contacted B. Powell/OCD. BH @ 16psi, slight water flow, no gas. Tag @ 260', perf @ 250', 20' above Ojo top & circulate. Verbal approval rec'd.

**2/18/2017** – Contacted B. Powell/OCD. Tagged @ 195', perf'd @ 250'; partial circ. Tried 100' plug w/100% excess, displaced to 195'. BH on vacuum, no water flow. Propose perf'ing @ 103' & spot surface plug. Ojo top @ 270', rec'd verbal okay not to top off and to proceed.

**2/09/2017** – Contacted B. Powell/OCD. Circ cmt around BH, displaced small amount into csg. Tagged @ 90' inside 3 ½" csg. 5psi residual gas present this a.m., approx. 2% LEL. Propose venting overnight & checking in the a.m. Verbal approval rec'd.

**2/10/2017** - Contacted B. Powell/OCD; requested we wait to cut off WH due to LEL levels to see if they drop over the weekend. On Monday 2/13 can do less time shut-in (30 mins).