

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

SF-078134

6. If Indian, Allottee or Tribe Name

OCT 20 2014

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Burlington Resources Oil & Gas Company LP

3a. Address

PO Box 4289, Farmington, NM 87499

3b. Phone No. (include area code)

(505) 326-9700

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.

CRANDELL SRC 2

9. API Well No.

30-045-10472

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface UNIT M (SWSW), 990' FSL, & 990' FWL, Sec. 19, T31N, R10W

10. Field and Pool or Exploratory Area

Blanco Mesaverde

11. Country or Parish, State

San Juan, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other P&A Sundry

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

9/15/14 - Perf'd @ 2240', unable to establish circulation. Ronald Chavez, BLM rep on site approved to do inside only plug 2290' - 2140' on plug #3. Brandon Powell @ NMOCD approved inside only plug on #3, but noted that Plug #4 will need to be inside/outside plug.

9/19/14 - Pumped surface plug - PT 4 1/2" x 7 annulus to 200#, bled down to 150# and stayed there. SI well overnight and have 10# SI pressure this morning - Ronald Chavez (BLM) is requesting that we vent over the weekend and SI on Sunday and see what SI pressure is on Monday. Brandon @ NMOCD concurred and gave verbal approval.

9/22/14 - Vented over weekend, shut in on Sunday. Monday 9/22, 0# SI pressure. Ronald Chavez with BLM gave verbal approval to proceed and cut off and move off. Brandon Powell @ NMOCD gave verbal approval.

ACCEPTED FOR RECORD

The subject well was P&A'd on 9/22/14 per the above notification and attached report.

OCT 17 2014

FARMINGTON FIELD OFFICE

BY: TJ Salyers

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

DENISE JOURNEY

Title

STAFF REGULATORY TECHNICIAN

Signature

Denise Journey

Date

10/7/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instruction on page 2)

Approved as to plugging  
of the well bore. Liability  
under bond is retained until  
surface restoration is completed.

NMOCD

3

dlb

# **A-PLUS WELL SERVICE, INC.**

P.O. BOX 1979

Farmington, New Mexico 87499

505-325-2627 \*fax: 505-325-1211

Burlington Resources  
**Crandell SRC 2**

September 22, 2014

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990' FSL and 990' FWL, Section 19, T-31-N, R-10-W  
San Juan County, NM  
Lease Number: SF-078134  
API #30-045-10472

**Plug and Abandonment Report**  
Notified NMOD and BLM on 9/10/14

## **Plug and Abandonment Summary:**

- Plug #1** with 46 sxs (54.28 cf) Class B cement inside casing from 4162' to 3557' to cover the Mesaverde and Chacra tops. ✓
- Plug #2** with CR at 2595' spot 38 sxs (44.84 cf) Class B cement inside casing from 2640' to 2490' with 26 sxs outside 7", 4 sxs below CR and 8 sxs above CR in 4-1/2" casing to cover the Pictured Cliffs top. ✓
- Plug #3** with 20 sxs (23.6 cf) Class B cement inside casing from 2290' to 2027' to cover the Fruitland top. Tag TOC at 2118'. ✓
- Plug #4** with CR at 1239' spot 125 sxs (147.50 cf) Class B cement inside casing from 1285' to 870' with 93 sxs outside, 4 sxs below CR and 28 sxs above CR from 1285' to 870' to cover the Kirtland and Ojo Alamo tops. ✓
- Plug #5** with CR at 202' spot 93 sxs (109.74 cf) Class B cement with 65 sxs outside, 5 sxs below CR and 15 sxs above CR with 8 sxs good circulate from 265' to surface. ✓
- Plug #6** with 80 sxs Class B cement top off from 60' in annulus to surface and install P&A marker with coordinates 36° 52' 44.404" N/107° 55' 44.4" W. ✓

## **Plugging Work Details:**

- 9/11/14 Rode rig and equipment to location. LO/TO. Spot in and RU. Bump test H2S equipment. Open up well; no pressures. ND wellhead. NU BOP and function test. Attempt test blind rams, unable to test due to bad tubing hanger. RD Antelope PU 1-12' pup jnt. PU on production string LD 1 – 2-3/8" tubing hanger. PU 12' sub RIH to 4161'. RU pump to tubing. Establish circulation. Circulate well clean with 100 bbls of water. SI well. SDFD.
- 9/12/14 Bump test H2S equipment. Open up well; no pressures. Pressure test casing to 800 PSI, OK. Attempt plug #1 cement too light reverse circulate out. Spot plug #1 with calculated TOC at 3557'. RU A-Plus wireline. Perforate 3 HSC squeeze holes at 2640'. Establish rate of 1 bpm at 800 PSI. PU 4-1/2" Select Oil CR and set at 2595'. Establish circulation. Spot plug #2 with calculated TOC at 2490'. SI well. SDFD.
- 9/15/14 Open up well; no pressures. RU A-Plus wireline. Perforate 3 HSC squeeze holes at 2240'. Attempt to establish rate pressure to 1000 PSI, bled down 300 PSI in 5 minutes, no rate. Note: R. Chavez and J. Vasquez, COPC approved procedure change. Establish circulation. Spot plug #3 with calculated TOC at 2027'. Establish circulation with 3 bbls of water. Pressure test casing to 500 PSI. WOC. TIH and tag TOC at 2118'. TOH. RU A-Plus wireline. Perforate 3 HSC squeeze holes at 1285'. Pump down 4-1/2" casing pressured to 900 PSI, started to establish circulation. Pump 5 bbls with rate of 1 bpm at 900 PSI. SI well. SDFD.

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Burlington Resources

Crandell SRC 2

September 22, 2014

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### Plugging Work Details (continued):

- 9/16/14 Bump test H2S equipment. Open up well; no pressures. Establish rate of 1.25 bpm at 900 PSI. PU 4-1/2" Select Oil CR and set at 1239'. Establish circulation. Spot plug #4 with calculated TOC at 870'. WOC. Note: water flow out bradenhead shut off. RU A-Plus wireline. Perforate 4 HSC squeeze holes at 265'. Establish circulation rate of 2 bpm at 900 PSI with 10 bbls of water. Circulate well clean. PU 4-1/2" Select Oil CR and set at 202'. Spot plug #5 with TOC at surface. SI well. SDFD.
- 9/17/14 Open up well; no pressures. No water flow on bradenhead. ND BOP. Dig out wellhead. Notice leak on plate between 4-1/2" and 7" casing test with monitors. Found 20% LEL. Dig out wellhead for hot tap on 7". Wait on orders. SI well. SDFD.
- 9/18/14 Check well pressures: 0 PSI. 20% LEL Intermediate, 7% on bradenhead. Top off bradenhead with 1 bbl of water cement top at approximately 18'. Wait 30 minutes, no fluid drop LEL 0%. Fill out Hot Work Permit. RU High Desert. Cut window in 10-3/4" surface casing. Weld on collar for hot tap on 7" casing. Drill into 7" pressure at 88 PSI. RU blow down lines to 7" x 4-1/2" valve, bleed off pressure. Circulate well. Load 7" x 4-1/2" annulus with less than 1/4 bbl of water. Pressure to 200 PSI. SI and monitor annulus, pressure bled off. Install 100 PSI gauge. SI well. SDFD.
- 9/19/14 Check well pressures: casing and bradenhead 0 PSI and Intermediate 10 PSI. Blow well down. Note: COPC reps recommend to let well vent for 3 hours. Shut in for 2 hours. Check well pressures. Let vent for weekend. SI intermediate valve and let vent for weekend. SI well. SDFD.
- 9/22/14 Open up well; no pressures. Fill out Hot Work Permit. RU High Desert. Cut off wellhead. Found cement down 4' in 4-1/2" casing. RIH with poly pipe down 60' in 4-1/2" x 7", down 19' in bradenhead. Spot plug #6 top off casings and install P&A marker with coordinates 36° 52' 44.404" N/107° 55' 44.4" W. RD and MOL.

Ron Chavez, BLM representative, was on location. ✓