

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 **OIL CONS. DIV DIST. 3**
OCT 20 2014

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator Burlington Resources Oil & Gas Company LP		8. Well Name and No. CRANDELL SRC 2
3a. Address PO Box 4289, Farmington, NM 87499	3b. Phone No. (include area code) (505) 326-9700	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	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other P&A Sundry
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomplate 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 recompletion 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

OCT 17 2014

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

FARMINGTON FIELD OFFICE
BY: T. Salyers

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) DENISE JOURNEY		Title STAFF REGULATORY TECHNICIAN
Signature <i>Denise Journey</i>	Date 10/7/2014	

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
	Office	

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.

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 AV

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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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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. ✓