

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

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
Sec., T--N, R--W, NMPM
Unit D (NWNW), 790' FNL & 790' FWL, Sec. 14, T28N, R11W

5. Lease Number
NMNM-03179

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

9. Aztec SRC #8
API Well No.

10. 30-045-07511
Field and Pool

11. Basin Dakota
County and State
San Juan, NM

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

Type of Submission:

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment

Type of Action:

- ☐ Abandonment
☐ Plugging
☐ Casing Repair
☐ Altering Casing
☐ Change of Plans
☐ Non-Routine Fracturing
☐ Water Shut-off
☐ Conversion to Injection

☒ Other : BH repair

RCVD SEP 14 '07

OIL CONS. DIV.
DIST. 3

13. Describe Proposed or Completed Operations

7/27/07 MIRU A+ 10. ND WH, NU BOP. Blow down BH, flowing muddy black water. TOOH w/ tbg. TIH & set RBP @ 6017'. Establish circ & circ clean w/ 95 bbls of 2% KCL. PT csg f/ 6017' to surf.~ ok. RU Blue Jet & ran CBL f/ 6017' to surf.

8/1/07 rcvd verbal approval from Steve Mason w/ BLM & Henry V. w/ OCD to shoot 3 perms @ 360'.

8/6/07 As per our plan, we perforated the subject well at 360' and cemented with good cement circulation to surface out the Bradenhead. Prior to the squeeze, the Bradenhead was flowing water. After the squeeze, there is only a slow flow of gas, but the Bradenhead still pressured up to 42 psi in 30 min, 54 psi in 1 hr and 80 psi in 2hrs. rcvd verbal approval from Steve Mason w/ BLM & Henry V. w/ BLM to perforate at 390' and perform a second squeeze. After the second squeeze, the bradenhead still pressured up to 160 psi overnight. It was bled down, and pressured back up to 60 psi in one hour. With our second squeeze, we were able to pump 265 sx of cement with approx. 250 sx going behind the casing. Still un-successful.

8/13/07 rcvd verbal approval from Steve Mason w/ BLM & Henry V w/ OCD to rig down & monitor for no fluid flow, SI well for 24 hrs & observe any PSI buildup every two weeks for six weeks & monthly thereafter. Please see attachment of work performed.

14. I hereby certify that the foregoing is true and correct.

Signed Philana Thompson Title Regulatory Technician Date SEP 12 2007

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

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

NMOCDB

FARMINGTON FIELD OFFICE

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

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

Burlington Resources Oil & Gas, LP

August 21, 2007

Aztec SRC #8

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790' FNL & 790' FWL, Section 14, T-28-N, R-11-W

San Juan County, New Mexico

Lease Number: NMNM-03179

API # 30-045-07511

Bradenhead Repair Report

Notified BLM / NMOCD on 7/30/07

Work Summary:

- 7/27/07 MOL. Lock-out / tag-out. RU rig. Check well pressures: tubing, 80 PSI; casing, 110 PSI; bradenhead, 210 PSI. Blow down tubing and attempt to catch piston. Wait 30 minutes; no piston. SI well. Call for slickline. SDFD.
- 7/30/07 Check well pressures: tubing, 0 PSI; casing, 125 PSI; bradenhead, 240 PSI. Blow down casing. ND wellhead. NU BOP. Dig out bradenhead valve and install 2" valve. Blow down bradenhead. Note: bradenhead flowing muddy, black water. PU tongs. Unload well and remove hanger. TOH and tally 190 joints 2.375" EUE tubing, SN, 3 2.375" perf sub, 1 joint tubing with bull plug. Total depth 6052' with 11" KB. PU 4.5" casing scraper with 3.875" cone bit on bottom and TIH with tubing; tag fill at 6138'. TOH with tubing and LD scraper. PU Knight Oil Tools 4.5" RBP with retrieving tool and start to RIH. SI well. SDFD.
- 7/31/07 Check well pressures: tubing, 120 PSI; casing, 120 PSI; bradenhead, 60 PSI. Blow well down. PU and TIH; set at RBP at 6017'. Pump 85 bbls 2% KCl water down tubing to establish circulation. Circulate clean after 95 bbls of water. Pressure test casing from 6017' to surface to 800 PSI for 15 minutes. TOH with tubing and packer. Load casing with 10 bbls 2% KCl water. RU Blue Jet wireline. Run CBL from 6000' to surface. Good cement from 6000' to 5490' and from 1706' to 1424'. Wait on orders. PU Knight Oil Tools 4.5" RBP with retrieving head and TIH; set at 1530'. Dump 3 sxs sand down tubing approximately 10' and flush with 3 bbls 2% KCl. TOH with tubing and LD retrieving head. SI well. SDFD.
- 8/01/07 Perforate 3 squeeze holes at 360'. Establish rate into squeeze holes 3 bpm at 500 PSI; circulated immediately out bradenhead. PU Knight Oil Tools 4.5" tension packer with unloader. TIH with tubing and set packer at 230'. Pump 10 bbls of water down tubing and establish rate 2 bpm at 300 PSI.
Squeeze #1 mix and pump 114 sxs Type III (151 cf) cement inside and outside 4.5" casing to cover the 8.625" casing shoe and circulate good cement out bradenhead valve. Shut in bradenhead valve. Mix and pump additional 92 sxs Type III (122 cf) cement and attempt to squeeze off water flow. Unable to get any pressure on squeeze. Displace 201 sxs outside casing with 1.9 bbls to clear packer and leave 5 sxs inside casing to TOC at 292'. SI well. SDFD.

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Work Summary – Continued:

- 8/02/07 Open up well, no pressures. Release packer and TOH with 7 joints tubing; LD unload and packer. Tally and PU 3.875" cone bit, bit sub, 6 – 3.125" drill collars, cross over, 3 joints tubing and tag cement at 272'. LD 1 joint. Start to drill out cement to 292'; still green. Cuttings were balls and mushy. PUH 30'. SI well. Remove bradenhead valve which was full of cement. Found small pressure. Install new valves with gauge in bradenhead. SI well. SDFD.
- 8/03/07 Check well pressures: tubing and casing, 0 PSI; bradenhead, 144 PSI. Blow down bradenhead. Re-install gauge and monitor. Tag cement at 292'. Drill out cement from 292' to 438' and cement stringers to 510'. Circulate well clean. Pressure test casing to 600 PSI for 10 minutes. Note: bradenhead pressure was 144 PSI in 3 hours. Load annulus with ¼ bbl and attempt to pressure test bradenhead to 300 PSI, bled down to 0 PSI in 30 seconds. TOH with tubing and LD BHA. Load hole with 3 bbls. RU Basin Wireline. Run CBL from 1500' to surface. Found original TOC at 1425'. Cement from squeeze job at 370' to 358' and 150' to surface looks like good cement bond. TOH and RD Basin. Leave bradenhead valve open to pit over weekend and SI casing. SDFD.
- 8/06/07 Open up well: no pressure on casing. Install gauge on bradenhead and monitor. In 1.0 hour recorded 54 PSI on bradenhead. Increased to 70 PSI in 1.5 hours, 82 PSI in 2.0 hours, 94 PSI in 3.0 hours, 104 PSI in 4.0 hours, 117 PSI in 5.0 hours, 125 PSI in 6.0 hours, 132 PSI in 7.0 hours, 140 PSI in 8.0 hours and 145 PSI in 9.0 hours. Note: waiting on COPC regulatory to approve squeeze job. SI well. SDFD.
- 8/07/07 Check well pressures: casing, 0 PSI; bradenhead, 160 PSI. Blow well down. RU Blue Jet Wireline. Perforate 3 squeeze holes at 390'. Establish rate into squeeze holes 1 bpm at 800 PSI. RD Blue Jet. PU 4.5" Knight Oil Tools tension packer and set at 134'. Open unloader and make sure backside is full. Close unloader and re-test rate into squeeze holes.
Squeeze #2 mix and pump 265 sxs Type III (350 cf) cement inside and outside 4.5" casing to shut off gas leak on bradenhead; displace with 1.5 bbls to 196'. Wait one hour. Bump pressure to 800 PSI four times in 15 minute intervals for total .25 bbl displacement with total 253 sxs outside 4.5" casing and left 12 sxs inside casing to TOC at 212'. SI well with 1000 PSI. SDFD.
- 8/08/07 Check well pressures: tubing and casing 0 PSI and bradenhead 160 PSI. Bleed off pressure. Release packer and TOH. LD tubing, BHA and packer. PU 3.875" cone bit, bit sub with 6 – 3.125" drill collars, cross over and tubing; tag cement at 185'. Drill out cement to 400' and stringers to 495'. Pump 10 bbls 2% KCl water to circulate ay foam out from drilling cement. Bleed off pressure on bradenhead. Note: bradenhead pressure built up from 8:00 am to 1:30 pm to 96 PSI. RU Wilson test truck on casing with chart. Pressure test casing to 500 PSI on chart for 30 minutes. TOH with tubing and LD BHA. SI well. SDFD.

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Work Summary – Continued:

- 8/09/07 Check well pressures: tubing and casing, 0 PSI; bradenhead, 94 PSI. Bleed off pressure. Load hole with 2 bbls 2% KCl water. Attempt to establish rate on BH, pressure up to 500 PSI and bled down to 0 PSI in 10 seconds. RU Blue Jet Wireline. Run CBL from 1440' to surface. Install gauge in bradenhead and monitor pressure for 1 hour then plumb bradenhead to flowback tank and vent for 3 days. Monitor pressure in bradenhead; built up to 25 PSI in 1 hour. Connect BH to flowback tank and leave open. SI casing. SDFD.
- 8/10/07 Rig on standby. Bradenhead venting to flowback tank for 3 days.
- 8/13/07 Check bradenhead pressure: 120 PSI. Note: someone shut in bradenhead valve. Bleed off bradenhead. Re-install gauge and pressure built to 90 PSI in seconds. Bleed off bradenhead and re-install gauge and monitor pressure. Pressure increased to 110 PSI in 10 minutes and 125 PSI in 3 hours. WOO from COPC. Open casing; 0 PSI. PU 4.5" RBP retrieving head and TIH; tag fill at 1515'. Establish circulation. Clean out sand to RBP at 1530'. TOH with tubing and ID RBP. RU 3" line to flow back tank. SI well. SDFD.
- 8/14/07 Check well pressures: casing, 0 PSI; bradenhead, 120 PSI. Open up well. PU retrieving head. TIH with 39 stands 2.375" EUE J-55 tubing to 2470'. Connect air package on tubing and establish circulation with air; blow hole dry. Bleed off. TIH with 39 stands 2.375" EUE J-55 tubing to 4940'. Connect air package on tubing and establish circulation with air. Blow well dry. Bleed off. TIH with 12 stands 2.375" tubing to 5700'. Connect air package on tubing. Establish circulation and blow well dry. Bleed off. TIH with 4 stands 2.375" EUE J-55 tubing. PU 2 joints and latch onto RBP at 6000'. Release RBP. TOH with tubing and LD RBP. PU 3.875" cone bit, bit sub, cross over and TIH with 2.375" (194 joints) and tag fill at 6137'. PU power swivel with 1 joint 2.375" tubing and establish circulation out tubing with air-mist. Clean out fill from 6137' to 6220'. Pump 2 – 4 bbls sweeps and blow well dry. LD 1 joint with power swivel and hang back swivel. PU tongs. TOH with 20 stands 2.375" EUE J-55 tubing. SI well. SDFD.
- 8/15/07 Check well pressures: tubing and casing, 120 PSI; bradenhead, 100 PSI. Blow well down. TOH with tubing and LD BHA. Rabbit 196 joints 2.375" EUE tubing with 1 - 2' J-55 pup joint in hole; tag fill at 6218'. Connect air package on tubing and establish circulation with air-mist. Clean out fill from 6218' to 6220'. Circulate hole clean. Run 4 bbls sweep. Bleed off air. Kill tubing with 7 bbls 2% KCl. LD 5 joints tubing. Land well with 2.375" expendable check with muleshoe, 2.375" x 1.78" "F" nipple, 1 joint 2.375" EUE J-55 tubing, 2' - 2.375" pup joint with 191 joints 2.375" EUE J-55 tubing. EOT 6081' KB and "F" nipple at 6080' KB. ND BOP. NU wellhead. Drop ball. Pump check off at 1000 PSI. Unload well. Connect air on casing and establish circulation up tubing to ensure check. Bleed off air and vent well to flowback tank. SI well. RD flow back line. RD. MOL.

J. Morris, hConocoPhillips representative, was on location.