

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

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

RECEIVED

OCT 9 2007

2. **Name of Operator**
BURLINGTON
RESOURCES OIL & GAS COMPANY LP

Bureau of Land Management
Farmington Field Office

5. **Lease Number**
NMSF-079367

6. **If Indian, All. or
Tribe Name**

7. **Unit Agreement Name**

San Juan 27-5 Unit

3. **Address & Phone No. of Operator**

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

8. **Well Name & Number**

San Juan 27-5 Unit #34A

9. **API Well No.**

4. **Location of Well, Footage, Sec., T, R, M**
Sec., T—N, R—W, NMPM

Unit E (SWNW), 1930' FNL & 980' FWL, Sec. 30, T27N, R5W NMPM

10. **Field and Pool**

30-039-23739

11. **County and State**
Blanco MV
Rio Arriba, 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

☐ Recompletion

☐ Plugging

☐ Casing Repair

☐ Altering Casing

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☐ Conversion to Injection

☒ Other : BH Repair

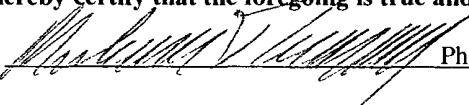
13. Describe Proposed or Completed Operations

Burlington Resources repaired the Bradenhead on the subject well according to the attached report.

RCVD OCT 17 '07
OIL CONS. DIV.
DIST. 3

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

Signed



Philana Thompson

Title Regulatory Tech

Date 10/8/07

ACCEPTED FOR RECORD

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date OCT 16 2007

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

FARMINGTON FIELD OFFICE
BY 

NMOCD



A-PLUS WELL SERVICE, INC.

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

FILE

well file

Burlington Resources Oil & Gas, LP
San Juan 27-5 Unit #34A

September 6, 2007
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1930' FNL & 980' FWL, Section 30, T-27-N, R-5-W
Rio Arriba County, New Mexico
Lease Number: NMSF-079367
API # 30-039-23739

Bradenhead Repair Report

Notified BLM / NMOCD

Work Summary:

8/21/07 MOL. SDFD.

8/22/07 Check well pressures: tubing, 120 PSI; casing, 180 PSI; bradenhead, 91 PSI. Equalize tubing and casing. RU Downhole Export Slickline truck. RIH and set tubing stop at 5316'. POH. RU rig and equipment. Blow well down. Pump 20 bbls 2% KCl water; tubing pressured up to 1000 PSI. Bled down to 700 PSI in 2 minutes. Pump 40 bbls 2% KCl water to kill well. ND wellhead. NU BOP. PU 9 joints tubing and tag fill at 5649'. TOH and tally 174 joints 2.375" EUE tubing with SN and saw tooth collar, 5376'. PU and RIH with 4.5" Knight Oil Tools RBP, retrieving head, 4' pup joint, 4.5" packer with unloader; set RBP at 3450'. Load casing with 127 bbls of water. Bleed off bradenhead and leave open. Note: bradenhead blowing gas and water. Attempt to pressure test casing to 500 PSI, bled down to 0 PSI in 1 minute. Note: unable to establish rate without exceeding 1000 PSI. Set 4.5" packer at 3418'. Pressure test RBP and 32' of casing to 500 PSI for 5 minutes. Release packer. TOH with tubing and LD unloader and packer. RU Blue Jet Wireline. Run CBL from 3000' to surface. TOC at 2000' with stringers from 2000' to 450'. RD Blue Jet. SDFD.

8/23/07 Check well pressures: casing 0 PSI, bradenhead 40 PSI. Open up well. Bleed off bradenhead. PU 7" Knight Oil Tools packer with unloader. TIH with 2.375" EUE tubing and set packer at 2085'. Pressure test casing from 2085' to 3450' to 500 PSI for 10 minutes. Isolate casing leak from 230' to 222'. Note: Surface casing shoe at 227'. Wait on orders. Release packer. TIH to 450'. Dump 3 sxs sand down tubing to cover RBP at 3450'. Flush tubing with 1.5 bbls of water. TOH with tubing. Wait on COPC Regulatory. SDFD.

8/24/07 Open up well, no pressures. Perforate 3 HSC squeeze holes at 400'. PU 7" 32A Knight Oil Tools packer with unloader and TIH; set packer at 247'. Open unloader. Load casing with 3 bbls of water and close unloader. Establish rate into squeeze holes 2 bpm at 500 PSI. Circulate bradenhead clean with 30 bbls of water; no communication out casing valve.
Squeeze #1 mix and pump 38 sxs Type III (51 cf) cement with 2% CaCl₂ inside 7" casing and outside 7" intermediate casing, displace with 2.75 bbls of water to 291'. Wait 1 hour. Pump .5 bbl; no pressure. Wait 30 minutes and pump .5 bbls; no pressure. Wait 3 hours and pump 1/16" bbl; pressured up to 700 PSI and held. Release pressure; no flow back. Squeeze 23 sxs outside TOC in 7" at 320' and leave 15 sxs inside 4.5" casing. Release packer and TOH with tubing and LD packer. RIH wireline and tag cement at 316'. Perforate 3 squeeze holes at 227'. PU 7" Knight Oil Tools packer with unloader and RIH to 76'. Load casing with 4 bbls of water. Set packer and establish rate into squeeze holes 2 bpm at 500 PSI.

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San Juan 27-5 Unit #34A

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Work Summary – Continued:

Squeeze #2 mix and pump 200 sxs Type III (264 cf) cement inside 7" casing and outside 7" intermediate casing; circulate good cement out bradenhead. SI bradenhead valve and displace with 3.5 bbls to 155'. Wait 1 hour. Pump .5 bbl and pressured up to 500 PSI. Wait 10 minutes; pressure at 250 PSI. Pump .25 bbl and pressured up to 600 PSI. Wait 15 minutes. Pressure still at 600 PSI. SI well. Squeezed 192 sxs outside 7" intermediate casing and left 8 sxs inside casing to TOC at 180'. SDFD.

8/27/07 Open up well; no pressure. Remove valve and nipple from bradenhead and verify cement at surface. Pressure test casing to 500 PSI for 5 minutes. Release pressure and packer. TOH with tubing and LD BHA. PU 6.25" cone bit, bit sub, 5 - 3.125" drill collars and RIH; tag cement at 161'. LD 1 drill collar. Drill out cement from 161' to 254' and circulate well clean. Attempt to pressure test casing to 600 PSI; bled down to 520 PSI in 4 minutes. Attempt to pressure test casing to 600 PSI with pump isolated; same result. TOH with tubing and LD BHA. Attempt to pressure test casing to 600 PSI against blind rams with pump isolated; same result. SI well. SDFD.

8/28/07 Open up well; no pressure. TIH to 254'. Circulate well clean with 8 bbls of fresh water. **Squeeze #3** mix and pump 14 sxs Type III cement (19 cf) inside 7" casing across casing leak at 227'. TOH and LD tubing. Load hole with ½ bbl. Close rams and hesitate squeeze. Bump pressure to 800 PSI and monitor bleed off. Continue pumping up pressure to 800 PSI until pressure held for 15 minutes. Final squeeze 1 sxs outside and 13 sxs inside. SI well. SDFD.

8/29/07 Open up well; no pressure. Pressure test casing to 500 PSI for 15 minutes. PU 6.25" cone bit and bit sub. TIH with 6 - 3.125" drill collars and tag cement at 188'. Drill out cement from 188' to 254'. Circulate well clean. Attempt to pressure test casing to 500 PSI, bled down slightly to 400 PSI in 4 minutes. Wait on orders. SI well. SDFD.

8/30/07 Open up well; no pressure. Drill out cement from 254' to 515'. PU 1 joint tubing to work through stringers. Circulate well clean. TOH and LD tubing with BHA. PU 7" Knight Oil Tool packer with unloader and set at 264'. Attempt to pressure test casing; bleed down 300 PSI in 5 minutes. Re-test with 35,000# pulled on packer; same leak. TOH and LD packer and unload. SI well. SDFD.

8/31/07 Open up well; no pressure. RU flow back line. Wait on 300 PSI. TIH with tubing to 399'. Load hole with 2 bbls of water. RU 300 PSI on tubing. Spot chemical from 399' to 231'. TOH with 6' pup joint and 6 joints tubing. Load casing with .25 bbl and SI casing. Pressure up to 600 PSI for 5 minutes. Bleed off with 300 PSI. Connect 300 PSI on tubing and spot chemical from 231' to surface. LD tubing. Connect pump line on casing and load hole with .25 bbl. Close blind rams and pressure up to 800 PSI with truck isolated. Wait 30 minutes; pressure at 540 PSI. Bump pressure up to 900 PSI; bled down to 800 PSI in 10 minutes. RU nitrogen on casing to hold 900 PSI overnight. SI well. SDFD.

- PT casing to 580# - held OK for 30 min.

Verbal
Approval RCD
8/29/07
FR Wayne W. Bum
Henry Wood
10 call
300 PSI DO
to assist w/sealing
off leak.

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Work Summary – Continued:

- 9/04/07 Open up well; no pressure. RIH with 7" casing scraper to 981'. Pump 20 bbls 2% KCl water to circulate 300 PSI chemical out of hole. TOH with casing scraper. PU retrieving head and TIH to 1951'. RU air package. Unload hole and blow dry. Bleed off tubing. TIH with tubing to TOL at 3267'. Unload hole with air package and bleed off tubing. TIH with tubing and tag fill at 3435'. Connect air on tubing and establish circulation with air mist. Clean out fill down to RBP at 3450'. Open bypass on RBP and release. Blow well down. TOH with tubing and LD retrieving head and RBP. P U 2.375" muleshoe expandable check, 2.375" F-Nipple and rabbit each stand of 2.375" tubing in hole to 3733' KB. SI well. SDFD.
- 9/05/07 Check well pressures: casing 220 PSI; tubing and bradenhead, 0 PSI. Blow well down. Continue to rabbit in hole with 24 stands. PU 10 joints tubing and tag fill at 5636'. Connect air package and circulate fill out to PBTD 5699'. Circulate and sweep hole clean. Blow well dry. Bleed off tubing. LD 5 joints tubing and land well as follows: Muleshoe expandable check, F-Nipple at 5515', 1 joint 2.375" EUE tubing, 2' - 2.375" pup joint and 169 joints 2.375" EUE J -55 tubing, EOT 5516' KB. ND BOP. NU wellhead. Drop ball. Pump 5 bbls 2% KCl and pump off check at 1300 PSI. Unload hole and blow well dry. Bleed off air. Vent for 15 minutes. SI well. SDFD.
- 9/06/07 Check well pressures: casing, 190 PSI; and tubing, 170 PSI. Attempt to blow tubing down; tubing would not unload. Pump air down casing and unload approximately 20 bbls of water out tubing. Max PSI on casing: 420 PSI. Blow well to flow back tank. RD and MOL.

J. Morris, MVCI representative, was on location.