

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 24 2009

Sundry Notices and Reports on Wells

Bureau of Land Management
Farmington Field Office

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

Surf: Unit A (NENE), 590' FNL & 810' FEL, Section 27, T32N, R10W, NMPM

5. Lease Number
SF-080517

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Payne 11

9. API Well No.

30-045-26804

10. Field and Pool

Basin Fruitland Coal

11. County and State
San Juan Co., NM

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

Type of Submission

Type of Action

☐ Notice of Intent

☐ Abandonment

☐ Change of Plans

☒ Other -

☐ BH Repair

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Plugging

☐ Non-Routine Fracturing

☒ Casing Repair

☐ Water Shut off

☐ Final Abandonment

☐ Altering Casing

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

Please see the attached BH repair details.

RCVD AUG 26 '09

OIL CONS. DIV.
DIST. 3

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

Signed Rhonda Rogers Rhonda Rogers Title Staff Regulatory Technician Date 8/21/09

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

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.

ACCEPTED FOR RECORD

AUG 26 2009

FARMINGTON FIELD OFFICE

FV

sm

NMOCD

h

Report grade of
prod tbg

pc

A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

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

Burlington Resources

Payne #11

August 11, 2009

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590' FNL & 810' FEL, Section 27, T-32-N, R-10-W

San Juan Country, NM

Lease Number: SF-080517

API#30-045-26804

Bradenhead Repair Report

Notified NMOCD and BLM 7/21/09

Squeeze Summary:

- 07/15/09 MOL. LO/TO equipment on location. Dig out bradenhead. Check well pressures: casing, 75 PSI; bradenhead, 70 PSI; and tubing, 0 PSI. Layout relief lines to pit. Blow well down. Pressure test tubing to 1500 PSI. PU on rods and unseat pump. LD 1 - 8' pony rod and 1 rod. SDFD.
- 07/16/09 Check well pressures: casing and bradenhead, 70 PSI; tubing, 20 PSI. Blow well down. LD polish rod. TOH and LD 1 - 8' sub, 129 - 3/4" rods, 13 - 3/4" guided rods, 3 - 1.25" K bars, 2 - 8' 3/4" guided subs, 1 - 2' 1" lift sub and 13' top hole down pump with 10' dip tube. ND wellhead. NU flow tee and BOP. Test BOP, ok. PU on tubing and remove donut. SI well. SDFD.
- 07/20/09 Check well pressures: casing and tubing, 80 PSI; bradenhead, 0 PSI. Blow well down. TOH and tally 115 joints 2.375" tubing, F nipple, slotted mud anchor with bullplug on bottom. Total tally: 3684.79'. PBTD was tagged at 3707'. Round trip 7" casing scraper to 3317'. RIH and set 7" Knight Oil Tools RBP at 3273'. Load casing with 125 bbls and circulate well clean with total 130 bbls. Attempt to pressure test casing to 500#, bled down to 470# in 30 minutes. Set 7" tension packer at 3242'. Attempt to pressure test RBP to 500 PSI; bled down to 470 PSI in 20 minutes. Attempt to pressure test casing above packer to 500 PSI; bled down to 495 PSI in 15 minutes. SI well. SDFD.
- 07/21/09 Check well pressures: casing and tubing, 0 PSI; bradenhead, 12 PSI. Release packer. Attempt to pressure test casing to 500 PSI; lost 8 PSI in 20 minutes; 6 PSI in the first 10 minutes. Re-tested casing to 500 PSI for 30 minutes. Krista McWilliams, ConocoPhillips Engineer, approved to continue with procedure. Dump 250# of sand down tubing with 2% KCl water. TOH with tubing and LD packer. RU wireline unit. Perforate 4 HSC squeeze holes with ultra safe cap at 1900'. Load casing with 6 bbls of water. Pressure up casing to 700 PSI; bled down to 650 PSI in 5 minutes. Krista McWilliams, ConocoPhillips Engineer, approved cement squeeze through BLM and NMOCD.
- Squeeze #1** mix and pump 32 sxs Class B cement (37.76 cf) from 1950' to 1780' with 2% CaCl₂. PUH to 940'. RU pump to tubing and load hole with 2-1/4 bbls. Pressured casing up to 900 PSI with 1/2 bbl and squeeze away 1/2 bbl over 1 hour keeping pressure at 900 PSI. Pressure up to 950 PSI for 20 minutes. Estimated TOC at 1805'. SI well with 950 PSI. SDFD.

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Squeeze Summary - Continued:

07/22/09 Check well pressures: casing and tubing, 350 PSI; bradenhead, 5 PSI. Blow well down. TIH and tag cement at 1817'. Perforate 3 squeeze holes at 1370'. Attempt to establish rate through squeeze holes; bled down 800 PSI to 500 PSI in 1 minute. RU pump to bradenhead valve; pressured up to 1000 PSI instantly. Inspect casing head; found sand and cement inside. Krista McWilliams, ConocoPhillips Engineer, approved procedure change. Perforate 3 squeeze holes at 1150'. Set 7" Knight Oil Tools packer at 1230'. Attempt to establish rate into squeeze holes at 1150'. Bled down from 870 PSI to 750 PSI in 1 minute. RU pump to tubing. Attempt to establish rate through squeeze holes at 1370'. Bled down from 800 PSI to 450 PSI in 1 minute. TOH and LD packer. Krista McWilliams, ConocoPhillips Engineer, approved procedure change. TIH with tubing and plugging sub to 1385'.

Squeeze #2 mix and pump 35 sxs Class B cement (41.3) with 2% CaCl_2 from 1385' to 1199' to cover squeeze holes. Pressure casing up to 1000 PSI with $\frac{1}{2}$ bbl; squeeze away 1 bbl over next 2 hours holding pressure at 1000 PSI. Unable to estimate TOC. Exposed perforations at 1150' may have taken water. SI well with 1000 PSI. SDFD.

07/23/09 Check well pressures: casing, 250 PSI; bradenhead, 0 PSI. Blow well down. TIH and tag cement at 1256'. PUH to 1165'. Attempt to pressure test casing to 1000 PSI; bled down to 975 PSI in 5 minutes.

Squeeze #3 mix and pump 20 sxs Class B cement (23.6 cf) from 1165' to 1059'. Hesitate squeeze with multiple steps; final pressure up to 1000 PSI for 20 minutes. Estimate TOC at 1180'. SI well with 1000 PSI. SDFD.

07/27/09 Open up well; no pressure. TIH with collars and tooth bit; tag cement at 1080'. Drill out cement to 1165'. Check for stringers to 1185'. Attempt to pressure test casing to 520 PSI; bled down to 480 PSI in 30 minutes. TIH and tag cement at 1260'. Drill out cement to 1389'. Check for stringers to 1436'. Attempt to pressure test casing to 540 PSI; bled down to 360 PSI in 30 minutes. SI well. SDFD.

07/28/09 Check well pressures: casing and tubing, 0 PSI; bradenhead, 6 PSI. Attempt to pressure test casing to 580 PSI; bled down to 480 PSI in 30 minutes. TIH and tag cement at 1770'. Drill out cement to 1772'. Continue to TIH and tag cement at 1817'. Drill out to 1824'. TOH with tubing and BHA. Round trip 7" casing scraper to 1385'. TIH with open ended tubing to 1409'. Attempt to pressure test casing to 500 PSI; bled down to 400 PSI in 30 minutes. SI well. SDFD.

07/29/09 Safety Stand Down.

07/30/09 Standby. Wait on Halliburton with micro matrix cement.

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Squeeze Summary - Continued:

- 07/31/09 Check well pressures: casing and tubing, 0 PSI; bradenhead, 6 PSI. RU Halliburton. Halliburton pumped 14 bbls of micro matrix cement from 1409' to 1053'. POH with tubing. Load casing with 3 bbls of water. Pressure up to 1000 PSI; bled down to 900 PSI in 30 minutes. Pressured up twice to 1000 PSI and bled down to 940 PSI in 30 minutes. Pressure up to 1000 PSI and bled down to 980 PSI in 30 minutes. Pressured up to 1000 PSI and SI well with 1000 PSI; ½ bbl displaced. TOC at 1066'. RD Halliburton. SDFD.
- 08/03/09 Check well pressures: casing, 240 PSI; bradenhead, 6 PSI. Blow well down. TIH with collars and 6.125" bit; tag cement at 1143'. Drill out micro matrix cement to 1409'. Check for stringers to 1436'. Attempt to pressure test casing to 600 PSI; bled down to 585 PSI in 30 minutes. TIH and tag TOC at 1824'. Drill cement to 1937'. SI well. SDFD.
- 08/04/09 Check well pressures: casing and tubing, 0 PSI; bradenhead, 8 PSI. Drill out cement from 1937' to 1952'. Check for stringers to 2000'. Attempt to pressure test casing to 520 PSI; bled down to 510 PSI in 30 minutes. Blow well down. RU High Tech. Pressure test casing on chart to 500 PSI. Blow well down. Pressure test wellhead to 2000 PSI. Attempt to pressure test wellhead to 60 PSI; bled down to 45 PSI in 10 minutes; unable to hold low pressure. Darrin Vigil, NMOCD representative, approved chart test. Pressure test casing on chart to 520 PSI; bled to 510 PSI in 30 minutes. Pump ½ stick of packing in 11" wellhead. Pressure test casing on chart to 80 PSI; no loss. No bradenhead pressure. Round trip 7" casing scraper to 2004'. RU Weatherford. While TIH with tubing and retrievable head, dry well with air to 3171'. SI well. SDFD.
- 08/05/09 Check well pressures: casing and tubing, 0 PSI; bradenhead, 9 PSI. Clean out sand and cement with air to 3273'. Blow well dry. TOH and LD 7" RBP. TIH with 2.375" EUE 4.7# production tubing and tag TD at 3706'. PUH. Install donut and land well. EOT at 3698' KB; FN at 3664' KB. Tubing tally: 2.375" bull plug, 1 joint slotted mud anchor, FN, 115 joints tubing, 12' – 2.375" sub, 6' – 2.375" sub, 1 joint tubing, 117 joints tubing in well. RU ladder on pump jack. SI well. SDFD.
- 08/06/09 Check well pressures: casing and tubing, 85 PSI; bradenhead 10 PSI. Prime pump. Land rods: 10' dip tube, 13' top hole down pump, 1' -1" lift sub, 1 – ¾" 8' guided rods, 129 – ¾" plain rods, 8' plain sub, 22' polish rod with liner and seat pump. Install new clamps and rod rotator. Load tubing with 12 bbls 2% KCl water. Pressure test tubing to 1500 PSI. Space well out. Hang well on. Stroke pump jack. Pressure up tubing to 1000 PSI. NU flow line. RD rig and equipment. Remove LO/TO. MOL.

Jimmy Morris, MVCI representative, was on location.

Dale Gall, COP, was on location on 8/3/09.

Jon Buck, Knight Oil Tools, was on location on 7/20/09.