

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

## Sundry Notices and Reports on Wells

**RECEIVED**

OCT 23 2009

Bureau of Land Management  
Farmington Field Office1. Type of Well  
GAS5. Lease Number  
SF 0790376. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

2. Name of Operator

**BURLINGTON**

RESOURCES OIL &amp; GAS COMPANY LP

8. Well Name & Number  
Hale #1

3. Address &amp; Phone No. of Operator

P.O. Box 4289, Farmington, NM 87499

9. API Well No.

4. Location of Well, Footage, Sec., T, R, M

Unit A (NENE), 990' FNL &amp; 1190' FEL, Section 27, T31N, R8W, NMPM

10. 30-045-10356  
Field and Pool11. Blanco MV  
County and State  
San Juan Co., 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 P&A & MIT**13. Describe Proposed or Completed Operations**

Change from NOI submitted.

10/5/09 Couldn't inject into perfs @ 718'. Verbal approval given by Steve Mason (BLM) &amp; Kelly Roberts (OCD) to set 150' inside Plug from 768' - 618'.

10/6/09 No injection rate @ 245' so pumped 1 bbl cmt down BH valve before pressuring up to 800#- held. Then pump 48 sx cmt Inside csg. Again Steve Mason &amp; Kelly Roberts approved change.

See attached P&amp;A reports. 10-6-09

RCVD OCT 28 '09

OIL CONS. DIV.

DIST. 3

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

Signed



Rhonda Rogers Title Staff Regulatory Technician

Date 10/22/09.

(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**

OCT 28 2009

FARMINGTON FIELD OFFICE

NMOC

b2

PC

# A-PLUS WELL SERVICE, INC.

P.O. BOX 1979

Farmington, New Mexico 87499

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

**Burlington Resources**

Hale #1

October 13, 2009

Page 1 of 3

990' FNL & 1190' FEL, Section 27, T-31-N, R-8-W

San Juan Country, NM

Lease Number: SF-079037

API#30-045-10356

## Plug and Abandonment Report

Notified NMOCD and BLM on 9/23/09

### Plugging Summary:

- 09/23/09 MOL and RU. LO/TO equipment on location. Location around wellhead and flowline soft. SDFD.
- 09/24/09 Check well pressures: casing, 500 PSI; tubing and bradenhead, 0 PSI. PU on co-rod pulling 40,000#; could not work free. LD polish rod and 2' sub. Pick straight up on co-rod to 45,000# and upset on rod slipped down through the top plate on elevators. PU polish rod and free elevators from co-rod. RU rods back in hole. LD polish rod. ND wellhead. NU BOP and test. TOH and remove donut. POH and LD 1 joint. Install back off tool on co-rod. Back off co-rod with 8,000# and stack out rods. PU 1 joint. SI well. SDFD.
- 09/25/09 Open up well and blow down 10 PSI on casing. LD 1 joint to expose co-rod. RU Weatherford co-rod unit. Spool co-rod out of hole. RD Weatherford. Tally and TOH with 2.063" IJ 3.2# tubing to 1700'. Note: wet pipe. Held Safety Meeting and Rig Inspection with LeRoy Serrano, COP. SI well. SDFD.
- 09/28/09 Open up well and blow down 20 PSI on casing. RU A-Plus wireline truck. RIH and tag at 3548'. Perforate 1 blueberry tubing shot at 3547'. TOH with 174 joints 2.063" tubing. Total tally, 5,424'. Note: pump was stuck in sand. Bottom 3 joints were full of sand. Round trip 2.80" gauge ring to 5080'. TIH and set 3.5" PlugWell wireline set CIBP at 5060'. TIH with tubing and tag BP at 5060'. Load casing with 108 bbls of water. Circulate well clean with additional 7 bbls of water. Attempt to pressure test casing, pumping into holes 1 bpm at 500 PSI.  
**Plug #1** with CIBP at 5060', spot 17 sxs Class B cement (20.06 cf) inside casing above CIBP up to 4670' to cover the Mesaverde interval and 5.5" casing shoe. PUH to 4032'. SI well. SDFD.
- 09/29/09 Open up well, no pressure. TIH with tubing and tag cement low at 4763'. Attempt to pressure test casing, pumping into holes 1 bpm at 500 PSI. Steve Mason, BLM representative, approved procedure change. Pre-mix 2% CaCl<sub>2</sub> and top off Plug #1 with Plug #2.  
**Plug #2** spot 32 sxs Class B cement (37.7 cf) with 2% CaCl<sub>2</sub> inside casing from 4763' up to 4303' to cover the 3.5" liner top.  
TOH with tubing and WOC. TIH with tubing and tag cement at 4313'. PUH to 3927'. Attempt to pressure test casing, same results. PUH to 2368'. SI well. SDF repairs.

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Page 2 of 3

## Plugging Summary - Continued:

- 09/30/09 Open up well, no pressure. POH with tubing. Perforate 3 squeeze holes at 3994'. RIH with 5.5" DHS cement retainer to 1135'. Retainer started dragging. TOH with tubing; no retainer. TIH with 4.5" gauge ring and tag at 1136'. TIH with 1.688" bars on wireline and tag at 1137'. TOH. Wait on fishing tools and tool hand. SD due to high winds.
- 10/01/09 Open up well; no pressure. TIH with Weatherford 4.688" overshot with 2.5" grapple and stack out on fish at 1135'. PUH pulling 5,000# over string weight and pull free. Attempt again; same results. TOH with tubing and overshot; no fish. TIH with 4.688" overshot with ext and 3.063" grapple; stack out at 1135'. Work overshot pulling 7000# over string weight; pulled free. Make 2 more attempts; same results. TOH with tubing and overshot; no fish. TIH with 1.688" wireline bars and tag fish at 1129'. TIH with 4.688" overshot with ext and 3" grapple; tag fish at 1130'. Unable to latch onto fish in several attempts. POH with tubing and overshot; no fish. TIH with 4.688" overshot with ext and 2.875" grapple; stack out at 1135'. Work overshot, same results. TOH. TIH with spear, 1.750" grapple and spear into fish at 1135'. PUH with fish dragging. TOH slow with tubing, spear and fish. Retainer dragging all the way out. Round trip 4.5" gauge ring to 3950'. Re-head wireline. RIH with 5.5" PlugWell wireline set cement retainer and set at 3927'. TIH with tubing and stinger to 3900'. SI well. SDFD.
- 10/02/09 Open up well; no pressure. TIH and tag retainer at 3927'. Attempt to pressure test casing, pumping into holes 1 bpm at 500 PSI. Sting into retainer. Establish rate into perforations 1.5 bpm at 300 PSI.  
**Plug #3** with CR at 3927', mix and pump 61 sxs Class B cement (71.9 cf) with 2% CaCl<sub>2</sub>, squeeze 51 sxs outside 5.5" casing and below retainer and leave 10 sxs above retainer up to 3841' to cover the Chacra top.  
PUH to 2210' and WOC. TIH and tag cement at 3803'. Attempt to pressure test casing; same results. TOH with tubing. Perforate 3 squeeze holes at 3265'. RIH with 5.5" PlugWell wireline set cement retainer and set at 3211'. TIH with tubing and stinger; tag at 3211'. Attempt to pressure test casing, same results. Establish rate into squeeze holes 2 bpm at 0 PSI.  
**Plug #4** with CR at 3211', mix and pump 239 sxs Class B cement (282 cf), squeeze 189 sxs below CR and outside 5.5" casing and leave 50 sxs above retainer up to 2781' to cover the Pictured Cliffs and Fruitland tops.  
PUH to 2152' and WOC. SI well. SDFD.
- 10/03/09 Open up well, no pressure. TIH and tag cement at 2801'. Attempt to pressure test casing; same results. TOH with tubing and stinger. Make up and TIH with 4.75" watermelon mill; hit rough casing at 1126'. Work mill down to 2554'. Load hole with 3 bbls of water. Reverse tubing clean with additional 17 bbls of water. TOH with tubing and LD mill. TIH with 5.5" Knight Oil Tools packer and set at 1410'. Load casing with 3 bbls of water. Chart test casing for 30 minutes to 590 PSI from 1410' to surface; bled down from 590 PSI to 520 PSI in 30 minutes. Release packer. TIH and set packer at 2438'. Chart test casing for 20 minutes to 580 PSI from 2438' to 2801'. Bled down to 470 PSI in 20 minutes. Release packer. TOH with tubing and LD packer. SI well. SDFD.

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Page 3 of 3

## Plugging Summary – Continued:

10/05/09 Open up well, no pressure. Perforate 3 squeeze holes at 2188'. TIH with 5.5" PlugWell wireline set retainer and set at 2120'. TIH with tubing and stinger; tag CR at 2120'. Attempt to pressure test casing; pumping into holes  $\frac{3}{4}$  bpm at 600 PSI. Sting into retainer and establish rate into perforations  $\frac{1}{2}$  bpm at 1100 PSI. Steve Mason, BLM representative, approved procedure change.

**Plug #5** with CR at 2120', spot 30 sxs Class B cement (35.4 cf) with 2%  $\text{CaCl}_2$  inside casing from 2120' to 1862' to cover the Kirtland and Ojo Alamo tops.

PUH to 1217' and WOC. TIH and tag cement at 1924'. TOH with tubing and LD stinger. Pressure test casing to 600 PSI with very small leak from top squeeze. Bled down to 570 PSI in 15 minutes. Perforate 3 squeeze holes at 718'. Attempt to establish rate into squeeze holes; pressured up to 1300 PSI and bled down to 1200 PSI in 10 minutes. Unable to establish rate. John Coy, BLM representative, approved procedure change. TIH with tubing to 779'.

**Plug #6** spot 25 sxs Class B cement (29.5 cf) inside casing from 779' to 564' to cover the Nacimiento top.

TOH with and LD tubing. SI well. SDFD.

10/06/09 Open up well, no pressure. RIH and tag cement at 596'. Perforate 3 squeeze holes at 245'. Attempt to establish rate into squeeze holes; pressured up to 1000 PSI and held. Pump 1 bbl of water down bradenhead and pressured up to 300 PSI and held. TOC in bradenhead at approximately 14'. Wait on orders. Steve Mason, BLM representative, approved procedure change. TIH with tubing to 312'.

**Plug #7** mix and pump 48 sxs Class B cement (56.6 cf) from 312' to surface, circulate good cement out casing valve.

TOH and LD tubing. ND BOP. Dig out wellhead. Issue Hot Work Permit. Monitor well. Cut off wellhead. Found cement down 5' in 5.5" casing and 14' in 10.75" casing.

Install P&A marker with 44 sxs Class B cement. RD rig and equipment. Remove LO/TO. MOL.

Jimmy Morris, MVCI representative, was on location.

Teddy Rodriguez, Pecos Valley, was on location

Kelly Kolb, COP representative, was on location on 10/6/09.

John Hagstrom, BLM representative, was on location.