

SEP 04 2008

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

Bureau of Land Management
Farmington Field Office

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
NMSF-079037

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

2. **Name of Operator**

BURLINGTON

RESOURCES OIL & GAS COMPANY LP

7. **Unit Agreement Name**
RCVD SEP 10 '08
OIL CONS. DIV.

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

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

8. **Well Name & Number**
Hale 1

9. **API Well No.**

30-045-10356

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

Unit A (NENE), 990' FNL & 1190' FEL, Section 27, T31N, R08W, NMPM

10. **Field and Pool**
Blanco Mesaverde

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 - ~~Install Pump~~

☒ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging

☐ Non-Routine Fracturing

☒ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

7/14/08 MIRU DWS 19. ND WH NU BOP, RU floor. Pull and LD tbg. TOOH LD 1 1/2" tbg.

7/15/08 PU and RU slim hole tools. Swab water from 1 1/2" tbg. LD tbg. TIH PU 2 1/16" tbg, run 3 1/2" casing scraper. Tag fill @ 5400'. TOOH w/casing scraper.

7/16/08 PU RBP. TIH set RBP @ 5054'. Load csg w/80 bbls 2% KCL. No test on csg. TOH. PU 3 1/2" packer, set @ 4491', set RBP @ 5054'. Pump 9 bbls 2% KCL water, PT csg to 500# - good test. TOH LD 3 1/2" packer. PU 5 1/2" packer & TIH to 1248'.

7/17/08 TIH w/RBP set @ 5054' tested following intervals: packer @ 4433' - good test, packer @ 3183' - good test, packer @ 2247' failed test, packer @ 2686' - good test, packer @ 2436' - failed test, packer @ 2561' - good test, packer @ 2498' - good test, packer @ 2467' - failed test. 5 1/2" csg & 3 1/2" liner is good from 2498' - RBP @ 5054'. TOH to 1254'. Set packer @ 1254' test csg down backside packer @ 1254' - good test, packer @ 1740' - failed test. 5 1/2" csg & 3 1/2" liner is good from 2498' to RBP @ 5054'. 5 1/2" csg is good from 1254' - surface. Questionable csg from 1254' - 2467'. TOOH. LD packer.

7/18/08 PU 5 1/2" RBP & packer. PU 2 3/8" tbg wk string. With RBP set @ 2120', test intervals as follows: Packer @ 2080' - good test, packer @ 1921' - good test, packer @ 1769' - good test, packer @ 1485' - good test, packer @ 1358' - failed test, packer @ 1422' - good test, packer @ 1389' good test, packer @ 1358' pumped down csg - failed test, packer @ 1325' pumped down csg-failed test, packer @ 1293' pumped down csg - failed test. 5 1/2" csg is good from 1389' - RBP @ 2120'. Questionable csg from 1293' - 1358'.

See attached for continuation of summary

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

NEXT MIT DUE: 8/12/2009 - NOTIFY NMOCD
AZTEC 24 HRS PRIOR TO TEST FOR WITNESS

Signed Tracey N. Monroe Title Staff Regulatory Technician Date 9/3/08

ACCEPTED FOR RECORD

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date SEP 09 2008

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.

NMOCD

FARMINGTON FIELD OFFICE

Hale 1
API #30-045-10356

7/21/08 RBP set @ 2120' test intervals as follows: Packer @ 1261' – good test. Csg leaks from 1261' – 1358'. 5 ½" csg is good from 1389' to RBP @ 2120'. TIH, retrieve RBP @ 1422'. PT RBP to 1000# - good test. Pour 150# of sand on RBP. TOOH. LD packer, PU tension packer and TIH.

7/22/08 Notified regulatory agencies of csg leaks and need to squeeze. Verbal approval received from the OCD (Charlie Perrin) and (BLM) Steve Mason to proceed. Please note when this well is P & A it will require additional squeeze work to ensure isolation of formations.

7/23/08 MIRU Haliburton Cementers. Pumped cement squeeze as follows: RBP @ 1422', packer @ 1123'. Pressured up backside to 500#. Pumped 100 sx of Class G Cement w/2% Halad-344. Displaced w/4.5 bbls. Displaced first squeeze and pumped 2nd squeeze as follows: RBP @ 1422', packer @ 1123'. Pressured up backside to 500#. Pumped 50 sx Class G Cement w/1% Versaset. Displaced w/4.5 bbls water. Cement below packer locked up, released packer PU 2 stand and reverse circ 12 bbls H2O to clear packer. Set packer pressure up on well to 1300#. RD Haliburton and release cementers.

7/24/08 Release pressure off csg, no pressure on tbg. Release packer, TOOH. LD packer. PU 4 ¾" paddle bit & TIH. PU & RU swivel. Drilling cement from 1130' – 1407'. PT csg to 500# after each joint cmt drilled – all tests good. Circ & C/O to RBP @ 1422'. Unload hole. ROH w/bit. TIH to RBP @ 1422', circ sand off RBP. Release RBP. TIH w/RBP set @ 2568' test intervals as follows: Packer @ 2536' test RBP to 1000# release packer. TOOH to 2577'.

7/25/08 RBP set @ 2568' test intervals as follows, Packer @ 2377' pump down csg, packer @ 2249' pump down csg, packer @ 2120' pumped down csg – all failed. TOH w/packer, PU tension packer and TIH. RBP set @ 2568' test intervals as follows: packer @ 1411' pump down csg, packer @ 1123' pump down csg – failed tests. Packer @ 994' pump down csg 30/min good test. RBP set @ 1411' & packer set @ 1123' for squeeze work on 7/23/08. 994' is above squeeze work done in 2005. TOH & LD packer.

7/28/08 PU RBP & packer. TIH set RBP @ 1421' test intervals as follows: packer @ 1389' – good test, packer @ 1123' – failed test, packer @ 1123' pump down csg 30/min – good test, packer @ 1123' test to 500# lost 200# in 5 min, 300# in 10 min, 360# in 16min, 480# in 50 min. TOH LD packer, PU notched collar and TIH to 1389'. Dump 150# of sand on RBP.

7/29/08 Spot in Haliburton Cementers. Spot balanced plug as follows: Pumped 50 sx Type 3 Cement w/210% Halad-322, displaced w/2.5 bbls FW. TOH. Load hole w/1.5 bbls H2O, squeeze cement w/2 bbls H2O. Pressured up to 1000#, after 30 min pressure dropped to 860#, pressured back up to 1000#, after 15 min pressure still holding @ 980#. Pumped a total of 12.3 bbls cement. RD & released Haliburton.

7/30/08 PU 4 ¾" paddle bit and TIH. Unload hole, est circ @ 814'. Drilling cement from 844' – 1370'. Circ and C/O to RBP @ 1421'. Load hole w/2% KCL water. PT csg to 500# - failed test. TOH w/bit.

7/31/08 PU packer, TIH. RBP set @ 1421' test intervals as follows: packer @ 1389' – good test, packer @ 1123' – failed test, packer @ 1123' pumped down csg w/packer hanging, lost 40# in 30/min. Circ & C/O on top of RBP, release RBP. TOH, LD RBP and packer. TIH w/tension packer. PT RBP to 1000#. Dump 150# of sand on RBP. RBP set @ 2567' test intervals as follows: packer @ 2331' pump down casing, lost 100# in 30 min.

8/1/08 RU Haliburton Cementers. Pump Squeeze #4 as follows: RBP set @ 2567', packer set @ 2331'. Pressure up backside to 500#. Pumped 250 sx Class G Cement w/1% Versaset. Displaced w/11 bbls. RD Haliburton & release from location.

8/4/08 Release packer & TIH, tag @ 2496'. Load hole & PT squeeze hole to 500#, lost 200# in 6 min. TOOH LD tension packer. PU notched collar and TIH to 2486'. Spot and RU Haliburton Cementers. Spot balanced plug, squeeze #5 as follows: Pumped 50 sx Type 3 Cement w/.2% Halad-322, displaced w/7 bbls FW. TOOH. Reverse out w/EOT @ 1945'. RD Haliburton & release.

8/5/08 TOOH. PU 4 ¾" paddle bit and TIH, tag # 1950'. Unload hole & est circ @ 1950'. Drilling cement from 1950' – 2377'. 1950' – 2040' soft cement. D/O cement from 2377' – 2551'. Circ well clean. TOOH w/bit.

8/5/08 Approval to use 300PSI from Charlie Perrin (OCD) & Steve Mason (BLM). MIT on csg to be completed in 12 months.

8/6/08 TIH. PU 5 ½" csg scraper, TIH to 2551'. TOOH. PU tension packer and TIH. RBP set @ 2567' test intervals as follows: Packer @ 2331' – test failed. RU 300PSI. Squeezed as follows: RBP @ 2567', packer swinging @ 2461'. Pumped 600 gals of #1 and #2 Chemical & 2.5 gallons of Micro-Seal. TOH to 2206' and set packer. Displaced w/1.2 bbls 2% KCL water. Pressured up to 1040#, dropped to 980# in 15 min. Pressured up to 1060#, no drop in 15 min. Squeeze #2 RBP @ 2567', packer swinging @ 1379'. Pumped 600 gals of #1 & #2 Chemical & 2.5 gallons of Micro-Seal. TOH to 962' & set packer. Displaced w/.73 bbls 2% KCL water. Pressure up to 800# - no drop in 30 min. Pressure up well w/800# of Nitrogen.

8/7/08 TOH, blow down tbg. RD Nitrogen. Pressure held @ 1025# overnight. TOH LD packer. PU retrieving tool & TIH. Circ & C/O on top of RBP @ 2567'. Release RBP. RU swivel, pressured up to 600# on tbg and worked tbg until RBP came free. Circ & C/O. TOOH LD RBP. Load csg w/2% KCL. RU High Tech and attempt to PT csg. PU to 560# - would not test. High Tech PT Secondary seal in WH – good test.

8/8/08 Set tension packer @ 71' and test tbg to 500# - good test. Test backside to 500#. Move packer up to 38'. Load & test tbg to 500# 30/min – good test. Test backside to 500# - failed test. Move up to just below WH & set packer, test backside – failed. Test

tbg @ 500# 30 min – good test. Wood group to test seal on WH- test failed.
 8/11/08 Woodgroup to PT tbg head- failed. ND BOP, ND tbg head. Woodgroup replaced o-ring seals. NU tbg head, NU master valve, PT csg to 500# - good test.
 8/12/08 RBP set @ 5054' (54' abv perms). RU High Tech and PT csg 30/min, Final pressure 530# good test. ND WH, NU BOP. TIH w/2 3/8" work string. Unload water. Change pipe rams to 2 1/16". TIH w/2 1/16" prod. Tbg, tag @ 4964'. RBP set @ 5054'.
 8/13/08 Unload hole & est circ. C/O 4964' – 5054' w/ air. Circ & C/O to RBP @ 5054'. Release RBP & LD tbg. Work RBP out of hole 180', work back down to 5064'. Set & release. Circ on top of RBP. TOOH w/retrieving tool.
 8/14/08 TIH tag fill @ 5042'. rBP set @ 5044'. C/O 5042' – 5044' w/ air. Circ & C/O to rBP @ 5044'. Work RBP out of hole w/swivel. LD tbg. TOOH. TIH tag RBP @ 4800'. Work RBP out of hole. LD tbg. TOOH recovered RBP. LD & load out tools.
 8/15/08 PU 2 7/8" mill & TIH to 5111'. Est circ TIH tag fill @ 5460'. Est circ @ 5450'. Mill plugged. TOOH 28 stands wet, mill & 1 stand tbg plugged w/sand. Unplug stand & mill.
 8/18/08 PU 2 7/8" mill and TIH to 5111'. Est circ @ 5111'. C/O 5298' – 5518'. Mill plugged. TOOH did not find anything plugging mill.
 8/19/08 PU 2 7/8" mill & TIH. Est circ @ 5457'. C/O 5488' – 5549'. TOOH.
 8/21/08 TOOH C/O cmnt & solids. PU BHA & TIH. RIH w/172 jts 2 1/16" 3.25# J-55 IJ tbg set @ 5435'. PBTD @ 5680'. RD swivel, RD floor, ND BOP, NU WH, RD flowline, NU Rod radagan.
 8/23/08 TIH w/RWAC-Z insert pump & rods. Pump seated @ 5370'. Load tbg w/produced water, long stroke pump. Test to 500# - good test. RD & RR @ 16:00 hrs.

