

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

**RECEIVED**

Sundry Notices and Reports on Wells

**AUG 19 2010**

Farmington Field Office  
Bureau of Land Management  
Case Number  
SF-079266

1. Type of Well  
GAS

6. If Indian, All. or  
Tribe Name

2. Name of Operator

Burlington Resources Oil & Gas Company

7. Unit Agreement Name

3. Address & Phone No. of Operator

P.O. Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number  
Vaughn 32

9. API Well No.

30-039-22199

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

Surf: Unit K (NESW), 1530' FSL & 1450' FWL, Section 29, T26N, R6W, NMPM

10. Field and Pool

Blanco MV/Basin DK/  
Ensenada Gallup

11. County and State  
Rio Arriba 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

**RCVD AUG 24 '10**

**OIL CONS. DIV.  
DIST. 3**

**13. Describe Proposed or Completed Operations**

Burlington Resources wishes to P&A the subject well per attached procedures and well bore schematic.

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

Signed: Jamie Goodwin Title Regulatory Technician Date 08/19/2010

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title \_\_\_\_\_ Date **AUG 23 2010**

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.

**NMOC**

**ConocoPhillips**  
**VAUGHN 32**  
**Plug and Abandon**

Lat 36° 27' 13.932" N

Long 107° 29' 40.884" W

**PROCEDURE**

**Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.**

1. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of a steel tank to handle waste fluids circulated from the well and cement wash up.

2. Install and test location rig anchors. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary. ND wellhead and NU BOP. Function test BOP.

3. Rods: Yes X, No   , Unknown     
Tubing: Yes X, No   , Unknown   , Size 2-3/8", Length 7165'  
Packer: Yes   , No X, Unknown   , Type     
If well has rods or a packer, then modify the work sequence in Step #2 as appropriate.

4. Plug 1: (Dakota perms and top: 6872'-6772'). TIH and set 4-1/2" cement retainer @ 6872'. Load casing with water and circulate well clean. Mix and pump 12 sx Class B cement inside casing to cover the Dakota top. TOOH with tubing.

5. Plug 2: (Gallup perms and top: 5990'-5890'). TIH and set 4-1/2" cement retainer @ 5990'. Mix and pump 12 sx Class B cement inside casing to cover the Gallup top. TOOH with tubing.

6. Plug 3: (Mesaverde perms and top: 4298'-4198'). Perforate 3 HSC holes at 4298'. Establish an injection rate into squeeze holes. TIH and set 4-1/2" cement retainer @ 4248'. Mix and pump 50 sx Class B cement, squeeze 38 sx cement outside 4-1/2" casing and leave 12 sx cement inside casing to cover the Mesaverde top. TOOH with tubing.

7. Plug 4: (Chacra top: 3521'-3421'). Perforate 3 HSC holes at 3521'. Establish an injection rate into squeeze holes. TIH and set 4-1/2" cement retainer @ 3471'. Mix and pump 50 sx Class B cement, squeeze 38 sx cement outside 4-1/2" casing and leave 12 sx cement inside casing to cover the Chacra top. TOOH with tubing.

8. Plug 5: (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops: <sup>2651 1852</sup>~~2678~~-1938'). TIH and set 4-1/2" cement retainer @ ~~2678~~'. Mix and pump ~~64~~ sx Class B cement inside casing to cover the Pictured Cliffs top through the Ojo Alamo top. TOOH with tubing.

9. Plug 6: (Nacimiento top to surface: <sup>807</sup>~~690~~-surface). Perforate 3 HSC holes at <sup>807</sup>~~690~~'. Establish an injection rate into squeeze holes. TIH and set 4-1/2" cement retainer @ ~~640~~'. Mix and pump ~~219~~ sx Class B cement, squeeze ~~166~~ sx cement outside 4-1/2" casing and leave ~~53~~ sx cement inside casing to cover from Nacimiento top to surface.

10. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location per BLM stipulations.

Well Name: VAUGHN #32

Well Config: - Original Hole, 8/6/2010 7:58:01 AM



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 32 Vaughn

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.

3. The following modifications to your plugging program are to be made:

- a) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 2651' – 1852'.
- b) Place the Nacimiento/Surface plug plug from 807' to surface inside and outside the 4 ½" casing.

OR

- b) Place the Nacimiento plug from 807' – 707' inside and outside the 4 ½" casing.
- b') Place the Surface plug from 289' to surface inside and outside the 4 ½" casing.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.