

**RECEIVED**

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

**DEC 14 2011**

Sundry Notices and Reports on Wells

Farmington Field Office  
Bureau of Land Management

1. Type of Well  
GAS

5. Lease Number  
SF-079266

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

2. Name of Operator

**BURLINGTON**

RESOURCES OIL &amp; GAS COMPANY LP

3. Address & Phone No. of Operator

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

8. Well Name & Number  
Vaughn 25

9. API Well No.

30-039-20656

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

Surface: Unit A (NENE), 1180' FNL &amp; 1180' FEL, Section 28, T26N, R6W, NMPM

10. Field and Pool  
S. Blanco PC / Otero Chacra

11. County and State  
Rio Arriba, 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 - Plug Back Chacra☐ Subsequent Report☐ Recompletion☐ New Construction☒ Plugging☐ Non-Routine Fracturing☐ Final Abandonment☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection

**RCVD DEC 27 '11  
OIL CONS. DIV.  
DIST. 3**

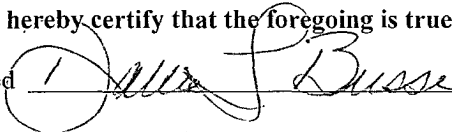
**13. Describe Proposed or Completed Operations**

Burlington Resources requests permission to plug back the Chacra formation of the subject well per the attached procedure, current and proposed wellbore schematic.

**Notify NMOCD 24 hrs  
prior to beginning  
operations**

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

Signed



Dollie L. Busse

Title Staff Regulatory Technician

Date 12-12-11

(This space for Federal or State Office use)

APPROVED BY Original Signed: Stephen Mason Title

Date DEC 22 2011

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** A

**ConocoPhillips**  
**VAUGHN 25**  
**Expense - P&A**

Lat 36° 27' 41.688" N

Long 107° 28' 3.72" W

**PROCEDURE**

**Note:** This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up. All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II mixed at 15.6 ppg with a 1.18 cf/sk yield.

1. Prepare blow pit. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations.
2. NU relief line and blow down well. Kill well with water, if necessary.
3. When an existing primary valve (i.e. casing valve) is to be used, the existing piping should be removed and replaced with the appropriate piping for the intended operation.
4. Open bradenhead valve. Establish rate down 2-7/8" casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow. Monitor pressure on PC casing for communication. If evidence of casing leak, precautions will need to be taken to prevent plugging up PC perforations. If no flow or blow, then pump 45 - 7/8" RCN balls in additional water and monitor pressure, rate and volumes pumped, to confirm perforations are taking water and there is not a casing leak. If the bradenhead flows water or there are other indications of a casing leak, then MO and RU pulling unit to use 1-1/4" IJ tubing workstring to plug this well.
5. Blow down pressure on wellhead and temporarily allow well to flow back to unseat RCN balls. Run junk basket and retrieve RCN balls. Count the retrieved balls to ensure sufficient injectivity for cementing operations. If necessary, run the junk basket a second time.
6. **Plug #1 (Chacra perforations and Chacra, Lewis, Pictured Cliffs, Kirtland, Fruitland, Kirtland, Ojo Alamo, & Nacimiento formation tops, 3,935'- Surface):** Establish rate into CH perforations with water. Mix and pump 141 sx cement and bullhead the down 2-7/8" casing: Pump 8 sx cement, drop 45 - 7/8" RCN balls, then pump 133 sx cement ensuring not to displace. Double valve and shut in well. WOC.
7. Tag cement. Fill remaining wellbore with cement to surface, as needed. Rig down and move off location.

Vaughn #25  
Current wellbore as of 5/20/2011

**Surface Casing:**  
4jts 9-5/8" 32.3# set @ 139'  
Cemented with 120 sx  
Circ to surface.

**TOC**  
TS 2400'  
(08/73)

**Production Casing:**  
134 jts 2-7/8" 6.4# set @ 3945'  
Cemented with 145 sx  
TOC @ 2400' (TS 08/73)  
PBTD: 3935

**Production Casing:**  
101 jts 2-7/8" 6.4# set @ 3046'  
Cemented with 195 sx  
TOC @ 2400'  
PBTD: 3035'

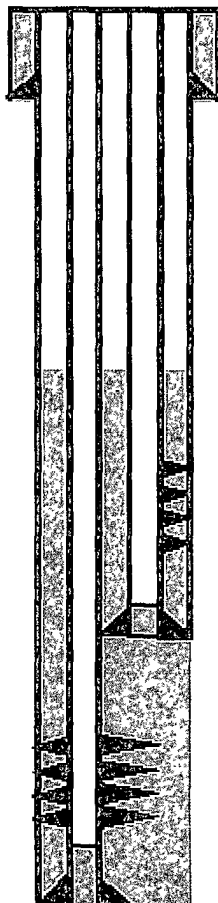
**Perforations:**  
Pictured Cliffs  
2848-2858  
2894-2904  
2930-3940  
2954-2964

**Stimulations:**  
Pictured Cliffs  
48,000# 10/20 sand  
48,200 gal slick water

**Perforations:**  
Chacra  
3804-3824  
3900-3910

**Stimulations:**  
Chacra  
29,500# 20/40 sand  
33,280 gal water

TOTAL DEPTH: 3960'



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Current wellbore as of 5/20/2011

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TS 2400'  
(08/73)

**Plug #1**  
Mix and pump 141 sx cement  
plug Chacra perforations to  
surface.

**Production Casing:**  
134 jts 2-7/8" 6.4# set @ 3945'  
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PBSD: 3935

**Production Casing:**  
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**TOTAL DEPTH: 3950'**