

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

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

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

800' FSL, 1060' FWL, Sec.26, T-26-N, R-6-W, NMPM

5. Lease Number
SF-079266

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Vaughn #9

9. API Well No.
30-039-20235

10. Field and Pool
Otero Chacra

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 Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

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

Signed Regan Cole (TF3) Title Regulatory Supervisor Date 11/15/00
no

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date 11/30/00

CONDITION OF APPROVAL, if any:

Vaughn #9
Otero Chacra
800' FSL and 1060' FWL, Section 26, T26N, R6W
AIN 5229901
Rio Arriba County, New Mexico
Latitude / Longitude: 36° 27.15' / 107° 26.53'

PLUG AND ABANDONMENT PROCEDURE

Project Summary: The Vaughn 9 was drilled in 1969 as a slimhole Chacra. The Vaughn 9 last produced in 1998 and is not economical to attempt to return to production. Cumulative production is 457 MMCF with no remaining reserves. This well is also on the BLM demand list to either return to production or P&A. We propose to plug and abandoned the well according to the following procedures.

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.

1. Prepare blow pit. Comply with all NMOCD, BLM, and Burlington safety regulations. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and install cementing valve.
2. Open bradenhead valve. Establish rate down 2-7/8" casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow. If no flow or blow, then pump 10 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 the well.
3. **Plug #1 (Chacra perforations, Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3626' – 1915'):** Establish rate into perforations with water. Mix and pump 103 sxs Class B cement (20% excess, long plug) and bullhead cement down 2-7/8" casing, displace to 500' with water. Shut in well and WOC. Rig up mast truck and tag cement. Pressure test casing to 500#. If casing has a leak before setting this plug, then set a CIBP at 3470' and fill inside of casing with cement up to 1915'.
4. **Plug #2 (8-5/8" Nacimiento top and casing shoe, 370' - Surface):** Perforate 2 squeeze holes at 370'. Establish circulation out bradenhead valve. Mix and pump approximately 120 sxs Class B cement down 2-7/8" casing, circulate good cement out bradenhead valve to surface. Shut in well and WOC.
5. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended: Tim Friesenhahn 11-13-00
Operations Engineer

Approved: Bruce D. Bony 11-13-00
Drilling Superintendent

Operations Engineer Tim Friesenhahn
326-9539 (Office)
324-7031 (Pager)

Sundry Required: YES / NO
Approved: Jenny Cole
Regulatory Approval

Production Foreman Ward Arnold
326-9846 (Office)
326-8340 (Pager)

Vaughn #9

Current

Otero Chacra Ext.

AIN 5229901

SW, Section 26, T-26-N, R-6-W, Rio Arriba County, NM

Latitude / Longitude: 36° 27.15' 107° 26.53

Today's Date: 9/28/00

Spud: 7/1/69

Completed: 8/8/69

Elevation: 6389' GL

12-1/4" hole

8-5/8" 24#, J-55 Casing set @ 127'
Cmt w/85 sxs (Circulated to Surface)

Nacimiento @ 320'

Note: Well stopped producing in May 1998.

TOC @ 1080' (T.S.)

Ojo Alamo @ 1965'

Kirtland @ 2175'

Fruitland @ 2400'

Pictured Cliffs @ 2640'

Chacra @ 3511'

Chacra Perforations:
3520' - 3626'

PBTD 3652'

2-7/8" 6.4#, K-55 Casing set @ 3662'
Cement with 275 sxs (490 cf)

6-1/4" hole

TD 3662'

Vaughn #9

Proposed P&A

Otero Chacra Ext.

AIN 5229901

SW, Section 26, T-26-N, R-6-W, Rio Arriba County, NM

Latitude / Longitude: 36° 27.15' / 107° 26.53'

Today's Date: 9/28/00

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12-1/4" hole

6-1/4" hole

PBTD 365'

TD 3662'

8-5/8" 24#, J-55 Casing set @ 127'
Cmt w/85 sxs (Circulated to Surface)

Plug #2 370' - Surface
Cmt with 120 sxs Class B

Perforate @ 370'

TOC @ 1080' (T.S.)

Plug #1 3626' - 1915'
Cmt with 103 sxs Class B,
displace to 500',
(20% excess, long plug)

Chacra Perforations:
3520' - 3626'

2-7/8" 6.4#, K-55 Casing set @ 3662'
Cement with 275 sxs (490 cf)