

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

Sundry Notices and Reports on Wells

RCVD OCT 24 '06
OIL CONS. DIV
DIST. 3

1. **Type of Well**
GAS

2006 OCT 10 PM 3 48

5. **Lease Number**
SF-076566

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

7. **Unit Agreement Name**

Huerfano Unit

8. **Well Name & Number**

Huerfano Unit #24R

9. **API Well No.**

30-045-29578

10. **Field and Pool**

11. **County and State**
Kutz West Pictured Cliffs
San Juan, NM

2. **Name of Operator**

BURLINGTON

RESOURCES OIL & GAS COMPANY LP

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

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

4. **Location of Well, Footage, Sec., T, R, M**
Sec., T—N, R—W, NMPM

Unit M (SWSW), 820' FSL & 815' FWL, Sec. 29, T27N, R10W NMPM

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 :

13. Describe Proposed or Completed Operations

It is intended to Plug & Abandon the subject well according to the attached procedure and well bore diagrams.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Signed Philana Thompson Title Regulatory Tech Date 10/10/06

(This space for Federal or State Office use)

APPROVED BY Wayne Townsend Title Per. Eng. Date 10/23/06

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

Huerfano Unit #24R – Kutz Pictured Cliffs West PLUG AND ABANDONMENT PROCEDURE

820' FSL & 815' FWL
SW, Section 29, T029N, R010W
Latitude: 36.32462, Longitude: 107.55413

AIN # 6405301

9/7/06

Note: 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 III, mixed at 14.8 ppg with a 1.32 cf/sx yield.

1. Project will require a Pit Permit (C103) from the NMOCD.
2. Install and test location rig anchors. Prepare waste fluid holding pit if necessary. Comply with all NMOCD, BLM, and Burlington safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. TOH and tally and visually inspect 1.5" tubing workstring. If necessary, LD tubing and PU workstring. Round-trip 3.5" wireline gauge ring to 1696'. RIH and set 3.5" wireline CIBP at 1696'. TIH with tubing and load casing with water. Pressure test casing to 500#. TOH with tubing.
4. Rig up wireline unit and run a CBL from CIBP at 1696' to surface. Use the top of cement from this CBL to determine if the following plugs will need to have an outside component due to the problems experienced during the primary cementing job.
5. **Plug #1 (Pictured Cliffs perforations and Fruitland top, 1696' – 1363')**: TIH with tubing and tag CIBP. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Spot ¹² 12 sxs Type III cement inside casing above CIBP to isolate the Pictured Cliffs perforations and the Fruitland top. PUH to 843'. If the top of the Fruitland at ¹³⁶³ 1363' outside the 3.5" is not covered with cement then perforate at the appropriate depth and modify this plug as necessary.
6. **Plug #2 (Kirtland and Ojo Alamo tops, 843' – 646')**: If the TOC is above 646', then mix ¹² 12 sxs Type III cement and spot balanced plug inside casing. TOH and LD tubing. If the TOC is below 646' then perforate at 843' and establish a rate into the squeeze holes. Set a 3.5" cement retainer at 793'. Then mix and pump ²⁰ 20 sxs cement, squeeze ⁵⁰ 50 sxs outside the casing and leave ¹² 12 sxs inside. If the top of the Kirtland at 793' outside the 3.5" is covered with cement then perforate at the appropriate depth and modify this plug as necessary. TOH with tubing. *Ojo Alamo cement plug inside & outside csg. from 860' to 596'. (Outside csg depends upon CBL)*
7. **Plug #3 (7" Surface casing, 187' - Surface)**: Perforate 2 squeeze holes at 187'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 40 sxs Type III cement down the 3.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
8. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

HUERFANO UNIT 24R PC

Unit M T027N R010W Sec.029

820 FSL & 815 FWL

SAN JUAN COUNTY, NM

Lat N36 32.462

Long W107 55.413

Spud date: 5/8/98

Completion Date: 6/11/98

GL = 6072'

KB = 6082'

Current Wellbore**STATUS**

SI - PENDING EVALUATION

CASING RECORD:

7" 20# K55 set @ 137'

Cemented with TOC @ surf

TOC unknown

TUBING RECORD:

Landed on 6/1/2003

(53) jts. 1-1/2" 2.76# J55 IJ 10rd

(1) pup jt. 1-1/2" 2.76# J55 IJ 10rd

(1) jt. 1-1/2 2.76# J55 IJ 10rd

(1) common seating nipple

FORMATION TOPS:

Ojo Alamo 696'

Kirtland 793'

Fruitland 1413'

PC 1740'

WORKOVER HISTORY:

Oct. 2003 - fishing job

May 2003 - mill casing piston stop

PERFORATIONS

1746 TO 1780' 13 holes

STIMULATION:

295 Bbl 20# linear gel 135,700# 20/40 AZ sd

215,417 Scl N2

CASING RECORD:

3 1/2" 9.33 J55 set @ 1954'

Cemented with lost circ. TOC @ unknown

lost circ. 50 sx into tail.

PBD= 1924'

TD= 1964'

10/9/06

10/9/2006



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401

Attachment to Notice of Intent for Permanent Abandonment:

Well: Huerfano Unit #24R

CONDITIONS OF APPROVAL:

- 1.) Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
- 2.) Farmington Field 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 Pictured Cliffs and Fruitland cement plug from 1696' to 1313' plus 50' excess. (16 sks)
 - B. Place Kirtland and Ojo Alamo plug from 860' to 596' plus required excess. (Inside plug 12 sks., Inside and outside plug 70 sks.)