

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, 800' FWL, Sec. 29, T-27-N, R-10-W, NMPM

M

5. Lease Number

SF-076566

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

Huerfano Unit

8. Well Name & Number

Huerfano Unit #24

9. API Well No.

30-045-06211

10. Field and Pool

Basin Fruitland Coal

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

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Stimulate

13. Describe Proposed or Completed Operations

It is intended to fracture stimulate the Fruitland Coal formation of the subject well according to the attached procedure and wellbore diagram.

RECEIVED  
JAN - 6 1997

OIL CON. DIV.  
DIST. 3

070 FARMINGTON, NM

96 DEC 31 AM 7:53

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

Signed [Signature] (PMP2) Title Regulatory Administrator Date 12/30/96

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_

Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

**APPROVED**

DEC 31 1996

[Signature]  
DISTRICT MANAGER

NMOCD



HUERFANO UNIT #24 FRTC  
Workover Procedure  
M 29 27 10  
San Juan County, N.M.  
Lat-Long: 36.541260 - 107.924530

1. Comply to all NMOCD, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP w/flow tee and stripping head. NU blooie line & 2-7/8" relief line.
2. Lower tbg to tag fill. If fill is above 1724', C.O. w/air/mist to 1728'. Set blanking plug in S.N. of 2-3/8" tbg @ 1682' & pressure test tbg to 2000 psi. TOH w/53 jts 2-3/8" tbg.
3. Spot and fill 3-400 bbl. frac tanks w/1% KCL water. If necessary, filter all water to 25 microns. Two tanks are for gel & one tank for breakdown water. Usable water required for frac is 503 bbls.
4. TIH w/5-1/2" pkr on 3-1/2" 9.3# N-80 w/shaved collars (4.25" O.D. 2.992" I.D.) rental frac string & set @ 1400'. (Run 2 jts 2-7/8" N-80 tbg above pkr).
5. W/300 psi on backside, fracture treat FRTC down frac string w/70,000 gals. of 70 quality foam using 30# gel as the base fluid & 130,000# 20/40 Arizona sand. Pump at 45 BPM. Monitor bottomhole & surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged w/ 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 5000 psi & estimated treating pressure is 3000 psi. Treat per the following schedule:

<b>Stage</b>	<b>Foam Vol. (Gals.)</b>	<b>Gel Vol. (Gals.)</b>	<b>Sand Vol. (lbs.)</b>
Pad	15,000	4,500	—
1.0 ppg	15,000	4,500	15,000
2.0 ppg	15,000	4,500	30,000
3.0 ppg	15,000	4,500	45,000
4.0 ppg	10,000	3,000	40,000
Flush	( 511)	(153)	0
Totals	70,000	21,000	130,000#

Shut well in after frac for six hours in an attempt to allow the gel to break. Treat frac fluid w/the following additives per 1000 gallons:

- \* 30# J-48 (Guar Gel mix in full tank - 16,000 gal)
- \* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
- \* 1.0# GVV-3 (Enzyme Breaker mix on fly)
- \* 1.0# B - 5 (Breaker mix on fly)
- \* 5.0 gal Fracfoam I (Foamer mix on fly)
- \* 0.38# FracCide 20 (Bactericide mix on full tank)

6. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. **Take pitot gauges when possible.**
7. Release pkr & TOH w/frac string. TIH w/4-3/4" bit on 2-3/8" tbg & clean out to 1728' w/air/mist.
8. Monitor gas & water returns & **take pitot gauges when possible.**
9. When wellbore is sufficiently clean, TOH & run after frac gamma-ray log from 1728'-1300'.



10. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom & again cleanout to 1728'. When wellbore is sufficiently clean, land tbg @ 1650' KB. **Take final water & gas samples & rates.**
11. ND BOP & NU wellhead & tree. Rig down & release rig.

Recommended: \_\_\_\_\_  
Production Engineer

Approved: \_\_\_\_\_  
Drilling Superintendent

VENDORS:

Wireline:	Basin	327-5244
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133
Packers:	Schlum.	325-5006

PMP



**Pertinent Data Sheet - HUERFANO UNIT #24 FRTC**

**Location:** 800' FSL & 800' FWL, Unit M, Section 29, T27N, R10W, San Juan County, New Mexico

**Field:** Basin Fruitland Coal

**Elevation:** 6082' GL  
11' KB

**TD:** 1782'

**PBTD:** 1728'

**Completed:** 6/30/54

**Spud Date:** 7/15/54

**DP #:** 50993B

**Recompleted:** 7/13/90

**Lease:** Fed: SF-076565

**GWl:** 63.02%

**NRI:** 51.65%

**Prop#:** 07112027

**Initial Potential:**

Pitot Gauge = 110 MCF/D

**Casing Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
e12-1/4"	8-5/8"	28# N/A	107'	75 sx	N/A
e7-7/8"	5-1/2"	14# N/A	1732'	75 sx	1244' - CBL

**Tubing Record:**

<u>Tbg. Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	
2-3/8"	4.70# J-55	1716'	53 Jts
	"F" Nipple @	1682'	

**Formation Tops:**

Ojo Alamo:	702'
Kirtland Shale:	825'
Fruitland:	1549'
Pictured Cliffs:	1732'

**Logging Record:** Electric Log (1954), Cased Hole Neutron Log (1990), CBL

**Completion & Stimulation:** PC open hole (1732'-1782') fraced w/2000# sand in diesel

**Workover History:** 7/13/90: Set cmt ret @ 1728' & sq PC w/50 sx cmt. Spotted 200 gal 15% HCL acid @ perfed FRTC @ 1490'-97', 1550'-54', 1559'-63', 1594'-1600', 1708'-24' w/2 spf. Total 74 -0.5" holes. Swabbed well & moved rig off the day after perfig.

**Production history:** PC cumulative=342 MMCF. FRTC 1st delivered on 1/17/91. FRTC Cum = 495 MMCF. Current capacity = 103 MCF/D.

**Pipeline:** EPNG





# HUERFANO UNIT #24 FRTC

UNIT M SECTION 29 T27N R10W  
SAN JUAN COUNTY, NEW MEXICO



