

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

Sundry Notices and Reports on Wells

96 DEC 27 PM 1:21

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

990' FSL, 990' FWL, Sec.3, T-26-N, R-9-W, NMPM

m

5. Lease Number

SF-078135

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

Huerfanito Unit

8. Well Name & Number

Huerfanito U NP #68

9. API Well No.

30-045-06008

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 treat the Fruitland Coal formation of the subject well according to the attached procedure and wellbore diagram.

RECEIVED  
JAN - 6 1997  
OIL COAL, GAS  
DIST. 3

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

Signed [Signature] (PMP1) Title Regulatory Administrator Date 12/20/96

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any:

**APPROVED**

DEC 30 1996

[Signature]  
DISTRICT MANAGER

NMOC

HUERFANITO UNIT #68 FRTC  
Workover Procedure  
M 3 26 9  
San Juan County, N.M.  
Lat-Long: 36.512619 - 107.781189

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 2059', C.O. w/air/mist to 2067'. Set blanking plug in S.N. of 2-3/8" tbg @ ~2027' & pressure test to 3000 psi. TOH.
3. Spot and fill 3-400 bbl. frac tanks w/1% KCL water. Filter all water to 25 microns. Two tanks are for gel & one tank for breakdown water. Usable water required for frac is 500 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 @ 1800' (run 4 jts 2-7/8" EUE 8rd N-80 tbg just above pkr). Load backside w/1% KCL water. Pressure backside to 300 psi & monitor during frac job.
5. Fracture treat FRTC down frac string w/69,000 gals. of 70 quality foam using 30# gel as the base fluid & 130,000# 20/40 Arizona sand. Pump at 50 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 6000 psi & estimated treating pressure is 3500 psi. Treat per the following schedule:

<u>Stage</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	20,000	6,000	---
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	20,000	6,000	60,000
4.0 ppg	5,000	1,500	20,000
5.0 ppg	4,000	1,200	20,000
Flush	( 657)	(197)	0
Totals	69,000	20,700	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 (Bacteriacide 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 2067' w/air/mist.
8. Monitor gas & water returns & take pitot gauges when possible.

HUERFANITO UNIT #68 FRTC - FRAC EXISTING FRTC

9. When wellbore is sufficiently clean, TOH & run after frac gamma-ray log from 2067'-1700'.
10. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom & again cleanout to 2067'.  
When wellbore is sufficiently clean, land tbg @ 1900' KB. **Take final water & gas rates.**
11. ND BOP & NU wellhead & tree. Rig down & release rig.

Recommended:

  
P. M. Pippin

Approve:

 12/10/96  
Drilling Superintendent

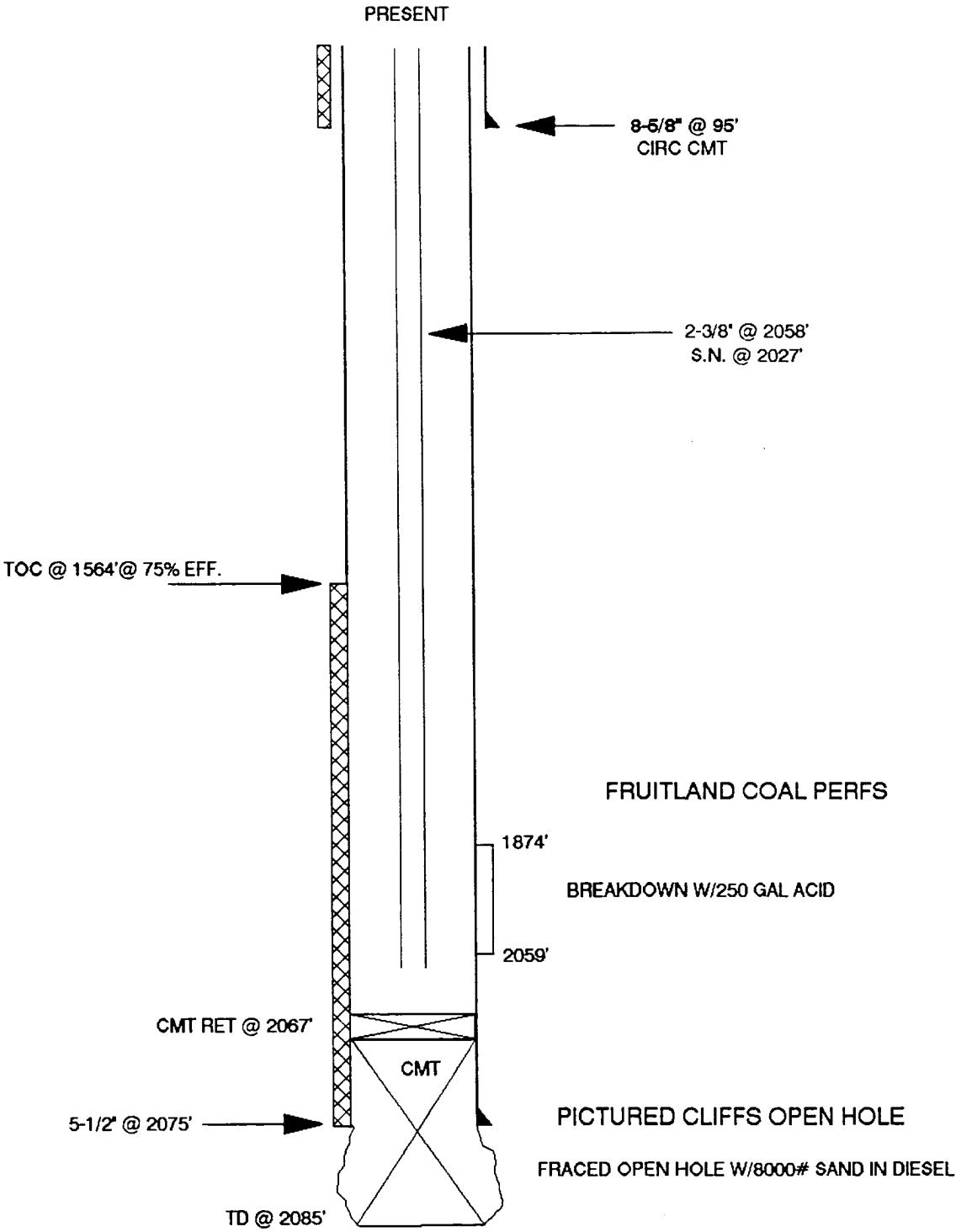
VENDORS:

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

PMP

# HUERFANITO UNIT #68 FRTC

UNIT M SECTION 3 T26N R9W  
SAN JUAN COUNTY, NEW MEXICO



**Pertinent Data Sheet - HUERFANITO UNIT #68 FRTC**

**Location:** 990' FSL & 990' FWL, Unit M, Section 3, T26N, R09W, San Juan County, New Mexico

**Field:** Basin Fruitland Coal

**Elevation:** 6327' GL  
10' KB

**TD:** 2155'

**PBTD:** 2067'

**Completed:** 12/19/55

**Spud Date:** 11/23/54

**DP #:** 49066B

**Recompleted:** 8/29/89

**Lease:** Fed. SF-078135

**GWI:** 100%

**NRI:** 84.5%

**Prop#:** 071076305

**Initial Potential:** Pitot Gauge FRTC = 13 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"	24# J-55	95'	100 sx.	Circ Cmt
7-7/8"	5-1/2"	14# J-55	2075*	100 sx.	1564' @ 75% Eff.
			* KB depth		

**Tubing Record:**

<u>Tbg. Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	
2-3/8"	4.70# J-55	2058'	66 Jts
		SN @ 2027'	

**Formation Tops:**

Ojo Alamo:	1115'
Kirtland Shale:	1290'
Fruitland:	1800'
Pictured Cliffs:	2048'

**Logging Record:** GRN ('54), Cased Hole Nuetron (89)

**Stimulation:** Fraced PC open hole w/8,000# sand in diesel.

**Workover History:** 8/29/89: Set Cmt Ret @ 2067' & sq PC w/53 sx cmt. Perf FRTC @ 1874'-76', 1880'-82', 1896'-98' w/2 spf & 1916'-30', 1976'-82', 1991'-96', 2019'-26', 2053'-59' w/4 spf. Broke down perfs w/250 gal 7.5% HCL acid & SAP tool. Moved rig off same day.

**Production history:** FRTC 1st delivered 2/28/90. SBHP = 259 psi @ 2050'. Current FRTC capacity is 36 MCF/D. PC cum is 467 MMCF. FRTC cum is 29 MMCF.

**Pipeline:** EPNG