

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells: 20

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

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' FNL, 990' FEL, Sec.10, T-26-N, R-9-W, NMPM

5. Lease Number
SF-078135
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
Huerfanito Unit
8. Well Name & Number
Huerfanito Unit #70
9. API Well No.
30-045-05965
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

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other - Restimulate

13. Describe Proposed or Completed Operations

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

RECEIVED
AUG 23 1995
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (PMP1) Title Regulatory Administrator Date 8/14/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

AUG 17 1995
/s/ Ken Townsend
DISTRICT MANAGER

AMCO

HUERFANITO UNIT #70 FRTC
Workover Procedure
A 10 26 9
San Juan County, N.M.
Lat-Long: 36.507172 - 107.770264

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. Set blanking plug in S.N. of 2-3/8" tbg @ 1947' & pressure test to 2000 psi. Lower tbg to tag fill. If fill is above 2002', C.O. w/air/mist to 2003'. TOH w/62 jts 2-3/8" tbg.
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# P-110 w/shaved collars (4.25" O.D. 2.992" I.D.) rental frac string & set @ 1800'. Load backside w/1% KCL water. Pressure backside to 500 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 55 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 4500 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# |

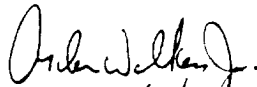
Shut well in after frac for six hours in an attempt to allow the gel to break. Treat frac fluid w/the following additives per 1000 gallons:

- | | |
|----------------------|--|
| * 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# GVW-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/6-1/4" bit on 2-3/8" tbg & clean out to 2003' w/air/mist.
8. Monitor gas & water returns & take pitot gauges when possible.

HUERFANITO UNIT #70 FRTC - FRAC EXISTING FRTC

9. When wellbore is sufficiently clean. TOH & run after frac gamma-ray log from 2003'-1600'.
10. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom & again cleanout to 2003'. When wellbore is sufficiently clean. land tbg @ 1900' KB. Take final water & gas samples & rates.
11. ND BOP & NU wellhead & tree. Rig down & release rig.


5/15/98

Approve: 
Drilling Superintendent

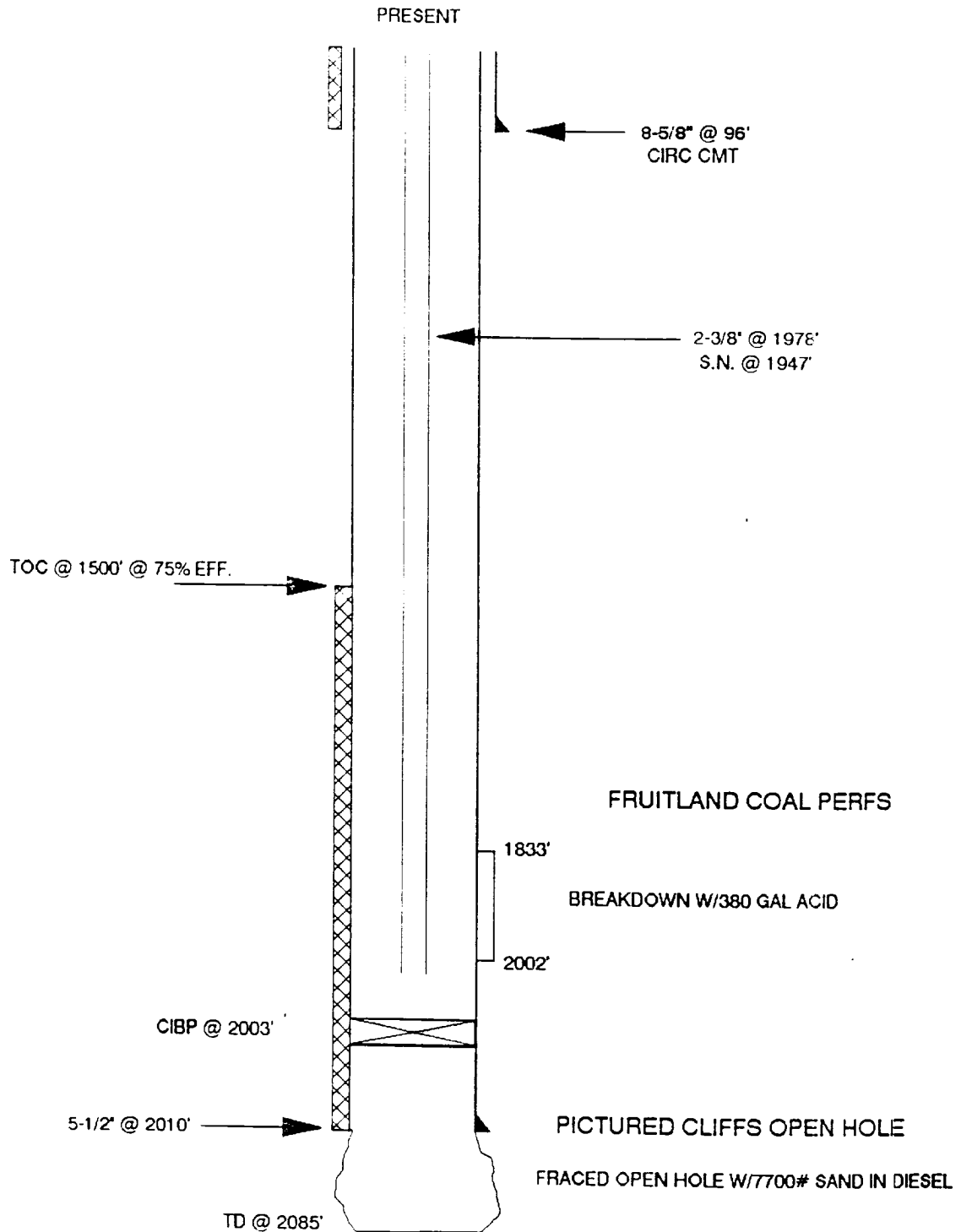
VENDORS:

| | | |
|-------------|--------------|----------|
| Wireline: | Basin | 327-5244 |
| Fracturing: | Howco | 325-3575 |
| RA Tagging: | Pro-Technics | 326-7133 |
| Packers: | Schlum. | 325-5006 |

PMP

HUERFANITO UNIT #70 FRTC

UNIT A SECTION 10 T26N R9W
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - HUERFANITO UNIT #70 FRTC

Location: 990' FNL & 990' FEL. Unit A. Section 10. T26N. R09W. San Juan County. New Mexico

Field: Basin Fruitland Coal **Elevation:** 6274' GL
10' KB **TD:** 2085'
PBTD: 2003'

Completed: 11-19-54 **Spud Date:** 11-5-54 **DP #:** 49068B
Recompleted: 11-11-90 **Lease:** Fed SF-078135
GWl: 100%
NRI: 84 50%
Prop#: 071076326

Initial Potential: Pitot Gauge = 88 MCF/D

Casing Record:

| <u>Hole Size</u> | <u>Csg Size</u> | <u>Wt. & Grade</u> | <u>Depth Set</u> | <u>Cement</u> | <u>Cement (Top)</u> |
|-------------------------|------------------------|-------------------------------|-------------------------|----------------------|----------------------------|
| 12-1/4" | 8-5/8" | 24# CFI | 96' | 100 sx. | Circ Cmt |
| 7-7/8" | 5-1/2" | 14# J-55 | 2010' | 100 sx. | 1500' @ 75% Eff. |

Tubing Record:

| <u>Tbg. Size</u> | <u>Wt. & Grade</u> | <u>Depth Set</u> | |
|-------------------------|-------------------------------|-------------------------|--------|
| 2-3/8" | 4.70# J-55 | 1978' | 62 Jts |
| | | SN @ 1947' | |

Formation Tops:

| | |
|------------------|-------|
| Ojo Alamo: | 900' |
| Kirtland Shale: | 1280' |
| Fruitland: | 1736' |
| Pictured Cliffs: | 2014' |

Logging Record: GRN ('54), CNL ('90).

Stimulation: Treated open hole w/7700# sand in diesel. Shot w/200 qts SNG. Treated w/7400# sand in diesel.

Workover History: 11-12-90: TOH w/1" tbg. Ran CNL log. Set CIBP @ 2003' & pressure tested to 1200 psi. Perf FRTC @ 1833'-35', 1874'-86', 1941'-44', 1954'-57', 1974'-82', 2000'-02' w/2 spf. Broke down perms w/380 gal 15% HCL acid & SPIT tool.

Production history: Well 1st delivered 6-21-91. SBHP = 197 psi @ 1970'. Current capacity is 61 MCF/D. PC cum is 735 MMCF. FRTC cum is 61 MMCF.

Pipeline: EPNG

IC D

HITO #70
A 10 26 9

:900

2000

