

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

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
850' FSL, 1530' FWL, Sec. 36, T-27-N, R-9-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-06092

5. Lease Number

6. State Oil & Gas Lease #
B-11370

7. Lease Name/Unit Name
Huerfanito Unit

8. Well No.
51

9. Pool Name or Wildcat
Basin Fruitland Coal

10. Elevation: 6219 GR

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Stimulate

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

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

RECEIVED
AUG 17 1995
OIL CON. DIV.
DIST. 3

SIGNATURE *[Signature]* (PMP1) Regulatory Administrator August 14, 1995

(This space for State Use)

Approved by *[Signature]*

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Title

Date **AUG 17 1995**

HUERFANITO UNIT #51 FRTC
Workover Procedure
N 36 27 9
San Juan County, N.M.
Lat-Long: 36.526413 - 107.743851

1. Comply to all NMOC, 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 @ 1952' & pressure test to 2000 psi. Lower tbg to tag fill. If fill is above 2006', C.O. w/air/mist to 2020'. 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 @ 1850'. 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	(675)	(202)	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 (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 2020' w/air/mist.
8. Monitor gas & water returns & take pitot gauges when possible.

HUERFANITO UNIT #51 FRTC - FRAC EXISTING FRTC

9. When wellbore is sufficiently clean. TOH & run after frac gamma-ray log from 2020'-1600'.
10. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom & again cleanout to 2020'. 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.

ALW 5/15/95

Approve: PWB
Drilling Superintendent

VENDORS:

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

PMF

Pertinent Data Sheet - HUERFANITO UNIT #51 FRTC

Location: 850' FSL & 1530' FWL, Unit N, Section 36, T27N, R09W, San Juan County, New Mexico

Field: Basin Fruitland Coal **Elevation:** 5219' GL
7' KB **TD:** 2085'
PBTD: 2020'

Completed: 4-21-56 Spud Date: 4-9-56 DP #: 49644B
Recompleted: 6-28-90 Lease: State: B-11370
GWl: 100%
NRI: 84.025%
Prop#: 071076312

Initial Potential: Pitot Gauge FRTC = 77 MCF/D

Casing Record:

<u>Hole Size</u>	<u>Csq Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4'	8-5/8"	24# J-55	83'	70 sx.	Circ Cmt
7-7/8"	5-1/2"	15 5# J-55	2027'	100 sx.	1516' @ 75% Eff.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
2-3/8"	4.70# J-55	1986'	62 Jts
	SN @	1952'	

Formation Tops:

Ojo Alamo:	1307'
Kirtland Shale:	1370'
Fruitland:	1843'
Pictured Cliffs:	2020'

Logging Record: GRN ('55)

Stimulation: Shot open hole w/100 qts SNG. Fraced w/30,000# sand in diesel.

Workover History: 6-28-90: TOH w/1" tbg. Set CIBP @ 2020' & pressure tested to 1500 psi. Perf FRTC @ 1901'-07', 1909'-15', 1919'-21', 1973'-84', 1994'-2006' w/2 spf. Broke down perfs w/150 gal 7.5% HCL acid & SPIT tool.

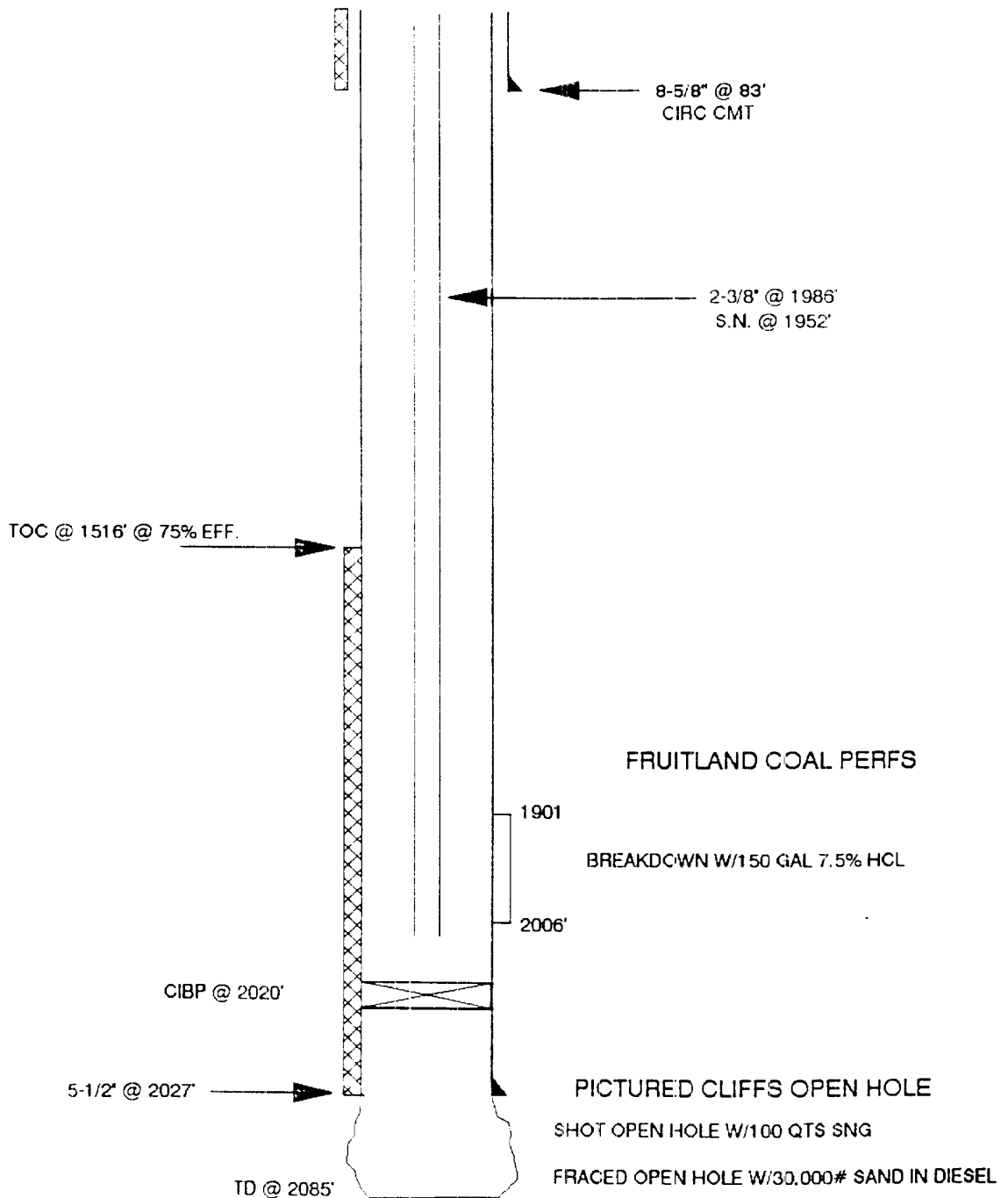
Production history: FRTC 1st delivered 1-21-91. SBHP = 325 psi @ 1930'. Current FRTC capacity is 62 MCF/D. PC cum is 236 MMCF. FRTC cum is 74 MMCF.

Pipeline: EPNG

HUERFANITO UNIT #51 FRTC

UNIT N SECTION 36 T27N R9W
SAN JUAN COUNTY, NEW MEXICO

PRESENT



H170 #51 FATE
 N 36 27 9

