

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells

93 SEP 10 AM 11:44

1. Type of Well
GAS

5. Lease Number
NM-01366, Huerfano, NM
6. If Indian, All. or
Tribe Name

2. Name of Operator
MERIDIAN OIL

7. Unit Agreement Name

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

Huerfano Unit
8. Well Name & Number
Huerfano U NP #12
9. API Well No.

4. Location of Well, Footage, Sec., T, R, M
990' FSL, 990' FWL Sec. 4, T-26-N, R-10-W, NMPM

10. Field and Pool
Basin Ft 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
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other - perf & frac
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to perf and frac the coal in this well per the attached procedure and wellbore diagram.

RECEIVED
SEP 17 1993
OIL CON. DIV
DIST. 3

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

Signed [Signature] (MP) Title Regulatory Affairs Date 9/8/93

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

SEP 13 1993

DISTRICT MANAGER

NMOCD

Huerfano Unit NP #12 FRTC
Recompletion Procedure
M 4 26 10
San Juan County, N.M.

1. Comply to all NMOCB, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP with flow tee and stripping head. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 2175' & pressure test to 3000 psi. Tag PBTB w/tbg. C.O. well if fill is above lower perms. TOH w/ 69 Jts 2-3/8" tbg.
3. Spot and fill 3 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. Two tanks are for gel & one tank for breakdown water. Usable water required for frac is 462 bbls.
4. Run 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 @ 1900'. Fracture treat well with 64,000 gals. of 70 quality foam using 30# gel as the base fluid & 100,000# 20/40 Arizona sand. Pump at 40 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 5000 psi and estimated treating pressure is 4000 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	25,000	7,500	----
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	5,000	1,500	20,000
5.0 ppg	4,000	1,200	20,000
Flush	(694)	208	
Totals	64,000	19,200#	100,000#

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

- | | |
|-----------------|------------------------|
| * 30# LGC8 | (Gel) |
| * 3.0 gal. AQF2 | (Non-ionic Surfactant) |
| * 1.0# GVW3 | (Enzyme Breaker) |
| * 1.0# B-5 | (Breaker) |
| * 0.35# BE6 | (Bacteriacide) |

5. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible.
6. TOH w/frac string. TIH with 4-3/4" bit on 2-3/8" tbg and clean out to 2240' w/air-mist.
7. Monitor gas and water returns and take pitot gauges when possible.

HUERFANO UNIT NP #12 - FRTC FRAC PROCEDURE
Page 2

8. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 2240'-1700'.
9. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 2240'. When wellbore is sufficiently clean, land tbg at 2100'KB. Take final water and gas samples & rates.
10. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: _____

J. A. Howieson

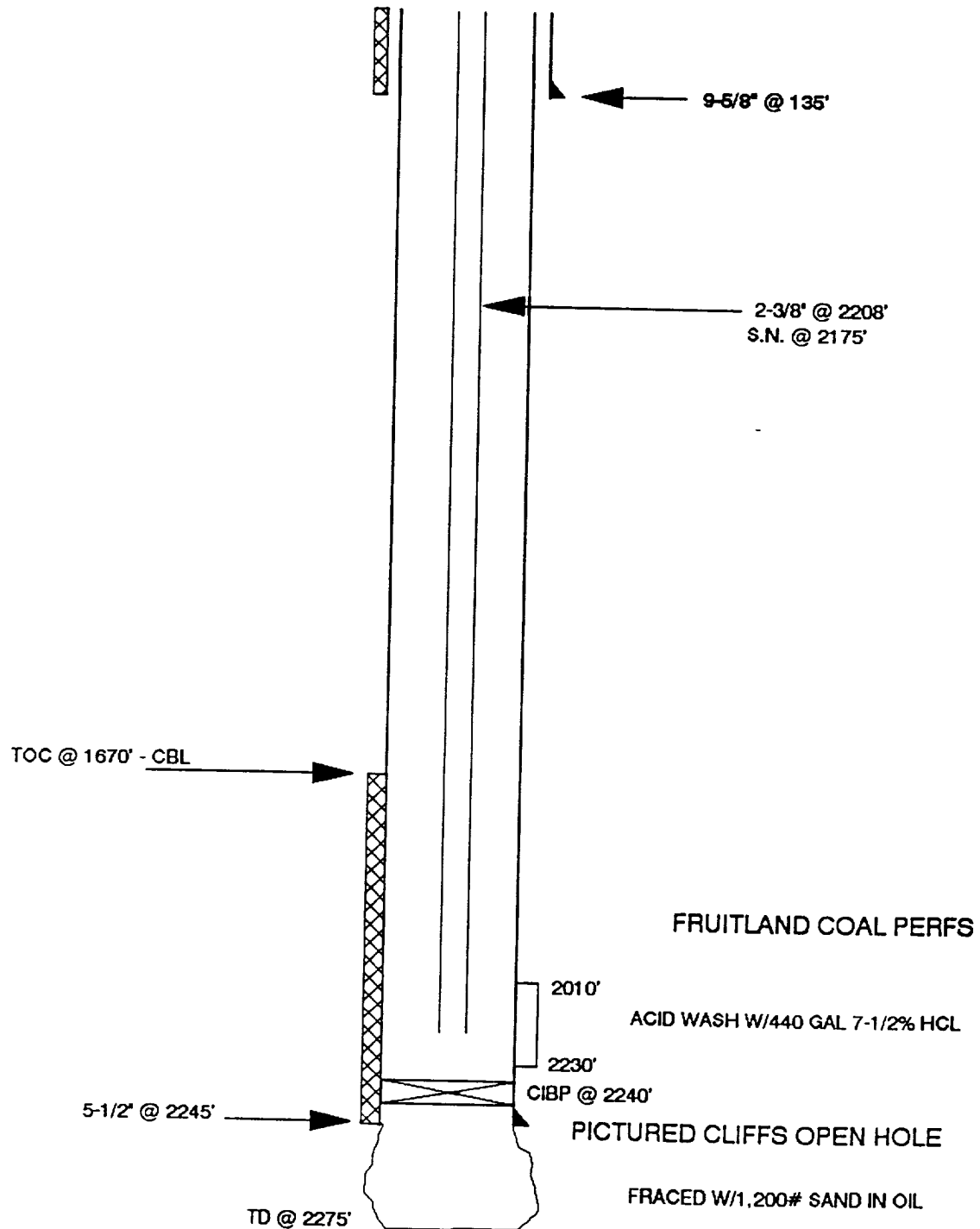
VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133
Frac String:	Oilfield Rental	327-4421

PMP

HUERFANO UNIT NP #12 FRTC

UNIT M SECTION 4 T26N R10W
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - HUERFANO UNIT NP #12 FRTC

Location: 990' FSL 990' FWL SEC. 4 T26N R10W, SAN JUAN COUNTY, N.M.

Field: Basin Fruitland Coal

Lease: Federal NM-01366

Elevation: 6672' TD: 2275'

10' KB PBTD: 2240'

DP#: 50949B

GWI: 64.67%

NRI: 42.69%

Completed: 11-20-52

Recompleted: 8-14-90

Initial Potential:

PC: AOF=1915 MCF/D, SIP=419 psi

FRTC: Final Pitot Gauge= TSTM, SIBHP= 199 psi @ 2070'

Casing Record:

Hole Size	Csq. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
e12-1/4"	9-5/8"	32.3# N/A	135'	100 sx	Circ Cmt to Surf.
e7-7/8"	5-1/2"	14# N/A	2245'	75 sx	1670' - CBL

Tubing Record: 2-3/8" 4.7# J-55 2208' 69 Jts
S.N. @ 2175'

Formation Tops:

Ojo Alamo	1262'
Kirtland	1392'
Fruitland	2057'
Pictured Cliffs	2233'

Logging Record: Electric Log, Cased Hole Nuetron, CBL

Stimulation: Fraced open hole 2245'-2275' w/1,200# sand in diesel oil.

Workover History: 8-14-90: Set BP @ 2240' & pressure tested to 1500 psi for 15 min OK. Perf FRTC 2010'-13', 2016'-19', 2027'-29', 2070'-88', 2214'-30' W/4 SPF. Washed perfs w/440 gal 7-1/2% HCL acid & spit tool. Swabbed well dry. Gas was TSTM.

Production History: PC cumulative = 509 MMCF. FRTC 1st delivered 1-21-91. Capacity = 12 MCF/D. FRTC cumulative = 11 MMCF.

Pipeline: EPNG

PMP