

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

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  
1650'FSL, 990'FEL Sec.6, T-26-N, R-10-W, NMPM

5. Lease Number  
NM-077936  
6. If Indian, All. or  
Tribe Name  
7. Unit Agreement Name  
Huerfano Unit  
8. Well Name & Number  
Huerfano U NP #66  
9. API Well No.  
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 24 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 15 1993  
DISTRICT MANAGER

Huerfano Unit NP #66 FRTC  
Recompletion Procedure  
I 6 26 10  
San Juan County, N.M.

1. Comply to all NMOCD, 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 @ 2055' & pressure test to 3000 psi. Tag PBTD w/tbg. C.O. well if fill is above lower perfs. TOH w/ 66 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 @ 1800'. 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	( 657)	197	
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 2112' w/air-mist.
7. Monitor gas and water returns and take pitot gauges when possible.

HUERFANO UNIT NP #66 - FRTC FRAC PROCEDURE  
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8. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 2112'-1700'.
9. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 2112'. When wellbore is sufficiently clean, land tbg at 2000'KB. Take final water and gas samples & rates.
10. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: \_\_\_\_\_  
J. A. Howieson

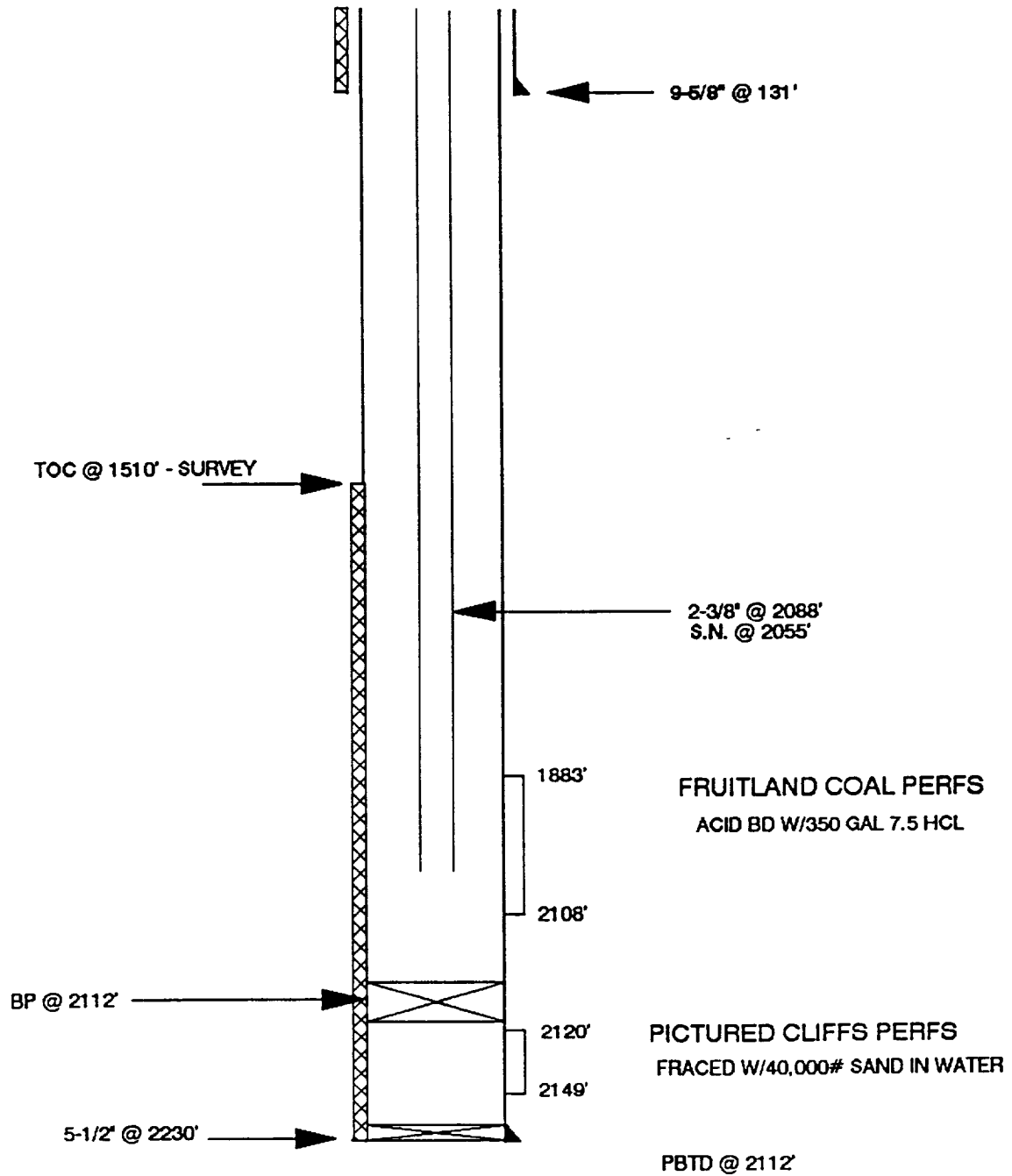
VENDORS:

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 #66 FRTC

UNIT I SECTION 6 T26N R10W  
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - HUERFANO UNIT NP #66 FRTC

Location: 1650' FSL 990' FEL SEC. 6 T26N R10W, SAN JUAN COUNTY, N.M.

Field: Basin Fruitland Coal

Lease: Federal SF-077936

Elevation: 6560' TD: 2230'  
9'KB PBTD: 2112'

DP#: 51067B

GWI: 63.02%

NRI: 48.53%

Completed: 7-12-56

Recompleted: 7-31-90

Initial Potential:

PC: AOF= 382 MCF/D, Q=380 MCF/D, SIP=388 psi

FRTC: Final Pitot Gauge= 28 MCF/D, SIBHP= 175 psi @ 1880'

Casing Record:

Hole Size	Csg. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
e12-1/4"	9-5/8"	25.4# S.W.	131'	100 sx	Circ Cmt to Surf.
8-3/4"	5-1/2"	15.5# J-55	2230'	100 sx	1510' - CBL

Tubing Record: 2-3/8" 4.7# J-55 2088' 66 Jts  
S.N. @ 2055'

Formation Tops:

Ojo Alamo	1095'
Kirtland	1212'
Fruitland	1817'
Pictured Cliffs	2119'

Logging Record: Electric Log, Cased Hole Nuutron, CBL

Stimulation: Perf PC @ 2120'-49' w/4 spf & fraced w/40,000# sand in water.

Workover History: 7-31-90: Set BP @ 2112' & pressure tested to 1500 psi - OK. Per:  
FRTC 2086'-2108', 1981'-83', 1883'-86', 1920'-30', 1966'-68', 1972'-76' w/2 fpf.  
Broke down w/spit tool & 350 gal 7.5% HCL acid. Swabbed well dry - no gas.

Production History: PC cumulative = 296 MMCF. FRTC 1st delivered 1-21-91. Capacity  
= 0 MCF/D. FRTC cumulative = 1 MMCF.

Pipeline: EPNG

PMP