

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells

SEP 10 AM 11:48

1. Type of Well
GAS

5. Lease Number

CVO FARM SF-080017M

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 #286

9. API Well No.

4. Location of Well, Footage, Sec., T, R, M

790'FNL, 1150'FEL Sec.35, T-27-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

☒ 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 - perf & frac

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 #286 FRTC
Recompletion Procedure
A 35 27 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 @ 2314' & pressure test to 3000 psi. TOH w/ 72 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 470 bbls.
4. Perf additional FRTC 2312'-16' w/4 spf. Perforate using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 90 degrees & 4 spf. Avg. perf dia.= 0.48". Average penetration is 18" in Berea. Total 16 holes.
5. TIH with 4-1/2" Baker SAP tool on 2-3/8" tbg. Space packing elements @ 6 feet. Set pkr @ 2100', install tree saver, & pressure test 4-1/2" csg to 3000 psi for 15 min. Remove tree saver. Breakdown perforations from 2312'-2316' w/200 gal. 7-1/2% HCL. (1 gal/1000 corrosion inhibitor & 1 gal/1000 Clay Sta XP). Record breakdown pressures. TOH.
6. Install tree saver. Fracture treat well down 4-1/2" csg 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 3000 psi and estimated treating pressure is 2700 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	<u>(1,470)</u>	<u>441</u>	
Totals	64,000	19,200#	100,000#

Shut well in after frac for six hours in an attempt to obtain closure pressure and 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)

HUERFANO UNIT #286 - FRTC FRAC PROCEDURE

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- * 1.0# GVW3 (Enzyme Breaker)
- * 1.0# B-5 (Breaker)
- * 0.35# BE6 (Bacteriacide)

7. Remove tree saver. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible.
8. TIH with 3-7/8" bit on 2-3/8" tbg and clean out to 2400' w/air-mist.
9. Monitor gas and water returns and take pitot gauges when possible.
10. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 2400'-2000'.
11. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 2400'. When wellbore is sufficiently clean, land tbg at 2300'KB. Take final water and gas samples & rates.
12. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: _____
J. A. Howieson

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Howco	325-3575
RA Tagging:	Pro-Technics	326-7133
Packer:	Baker	325-0216
Tree Saver:	WSI	327-3402

PMP

Pertinent Data Sheet - HUERFANO UNIT NP #286 FRTC

Location: 790'FNL 1150' FEL SEC. 35 T27N R10W, SAN JUAN COUNTY, N.M.

Field: Basin Fruitland Coal

Lease: Federal SF 080017

Elevation: 6602' TD: 4055'
10'KB PBTD: 2500'

DP#: 40102B

GWI: 85.265% AP0: 29.015%

NRI: 69.50% AP0: 22.724%

Completed: 12-17-86 (Dry Hole)

Recompleted: 10-17-89

Initial Potential:

Final Pitot Gauge=55 MCF/D, SIBHP= 337 psi

Casing Record:

Hole Size	Csq. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
12-1/4"	8-5/8"	24# K-55	222'	150 sx	Circ Cmt to Surf.
7-7/8"	4-1/2"	10.5# K-55	4055'	290 cf	2782'@ 75% Eff.
		Stage Tool @	2596'	1160 sx	Circ 60 Bbls Cmt.

Tubing Record: 2-3/8" 4.7# JS 2344' 72 Jts
S.N. @ 2313'

Formation Tops:

Ojo Alamo	1400'
Kirtland	1530'
Fruitland	2140'
Pictured Cliffs	2354'
Cliffhouse	3928'
Menefee	4004'

Logging Record: Dual Induction, Microlog, Nuetron, Sonic, NGT, Temp., EPT, Lithlog, Cyberlook.

Stimulation: Perf MV @ 3931', 34', 37', 40', 43', 46', 49', 52' & Treated W/4075 gal acid. Dry Hole in MV.

Workover History: 10-17-89: Spot cmt 3952'-3591'. Spot cmt 3300'-2965'. Set BP @ 2500'. Perf FRTC @ 2216'-33', 2248'-46', 2318'-24', 2349'-54' & brokedown w/250 gal 7.5% HCL acid & sap tool.

Production History: MV was a dry hole. FRTC 1st delivered 2-18-91. Capacity=0 MCF/D.

Pipeline: EPNG

PMP

HUERFANO UNIT NP #286 FRTC

UNIT A SECTION 35 T27N R10W
SAN JUAN COUNTY, NEW MEXICO

