

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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BLM

Sundry Notices and Reports on Wells

95 APR 25 AM 7:48

1. Type of Well
GAS

070 FARMINGTON, NM

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
1675'FNL, 1500'FEL, Sec.19, T-27-N, R-9-W, NMPM

5. Lease Number
NM-02861
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Lodewick #12
9. API Well No.
30-045-27716
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

Type of Action

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Final Abandonment | <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut off |
| | <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| | <input checked="" type="checkbox"/> Other - Pay add | |

13. Describe Proposed or Completed Operations

It is intended to add pay to the Fruitland Coal formation of the subject well and fracture treat according to the attached procedure.

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OIL CON. DIV.
DIST. 3

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

Signed [Signature] (PMP1) Title Regulatory Affairs Date 4/19/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

NMOCD

APR 25 1995

DISTRICT MANAGER

Lodewick #12 FRTC
Completion Procedure
G 19 27 9
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 @ 2221' & pressure test to 3000 psi. Lower tbg to tag fill. If fill is above 2230', C.O. w/air/mist to 2365'. TOH w/ 71 Jts 2-3/8" tbg.
3. Spot and fill 2 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. One tank is for gel & one tank for breakdown water. Usable water required for frac is 289 bbls.
4. Perf additional FRTC 2316'-22' 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 24 holes.
5. TIH with 4-1/2" PKR on 2-3/8" tbg & set @ 2300'. Breakdown & attempt to balloff perfs 2316'-2322' w/1500 gal. 15% HCL & 60 -7/8" 1.3 sp gr RCN perf balls. (1 gal/1000 corrosion inhibitor). Record breakdown pressures. TOH.
6. Run 4-1/2" straddle pkrs on 2-7/8" NUE N-80 rental tbg w/shaved collars. Spot 3 bbls 60# gel from 2300'-2150'. Set compression pkr @ 2300' & snap-set pkr @ 2150'.
7. Fracture treat well down frac string with 39,000 gals. of 70 quality foam using 30# gel as the base fluid & 60,000# 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 6000 psi and estimated treating pressure is 4500 psi. Treat per the following schedule:

<u>Stage</u>	<u>Foam Vol.</u> <u>(Gals.)</u>	<u>Gel Vol.</u> <u>(Gals.)</u>	<u>Sand Vol.</u> <u>(lbs.)</u>
Pad	10,000	3,000	----
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	6,000	1,800	18,000
4.0 ppg	3,000	900	12,000
Flush	<u>(1,508)</u>	<u>(452)</u>	<u> </u>
Totals	39,000	11,700#	60,000#

LODEWICK #12 FRTC - PERF & FRAC BASAL COAL
Page 2

Shut well in after frac for six hours in an attempt to allow the gel to break. Treat frac fluid with 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# Gvw3 (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 in full tank)

8. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible.
9. TOH w/frac string. TIH with 3-7/8" bit on 2-3/8" tbg and clean out to 2365' w/air-mist.
10. Monitor gas and water returns and take pitot gauges when possible.
11. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 2365'-2000'.
12. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 2365'. When wellbore is sufficiently clean, land tbg at 2250'KB. Take final water and gas samples & rates.
13. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: _____
Drilling Superintendent

VENDORS:

Wireline:	Basin	327-5244
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133
Packer:	Schlum	325-5006

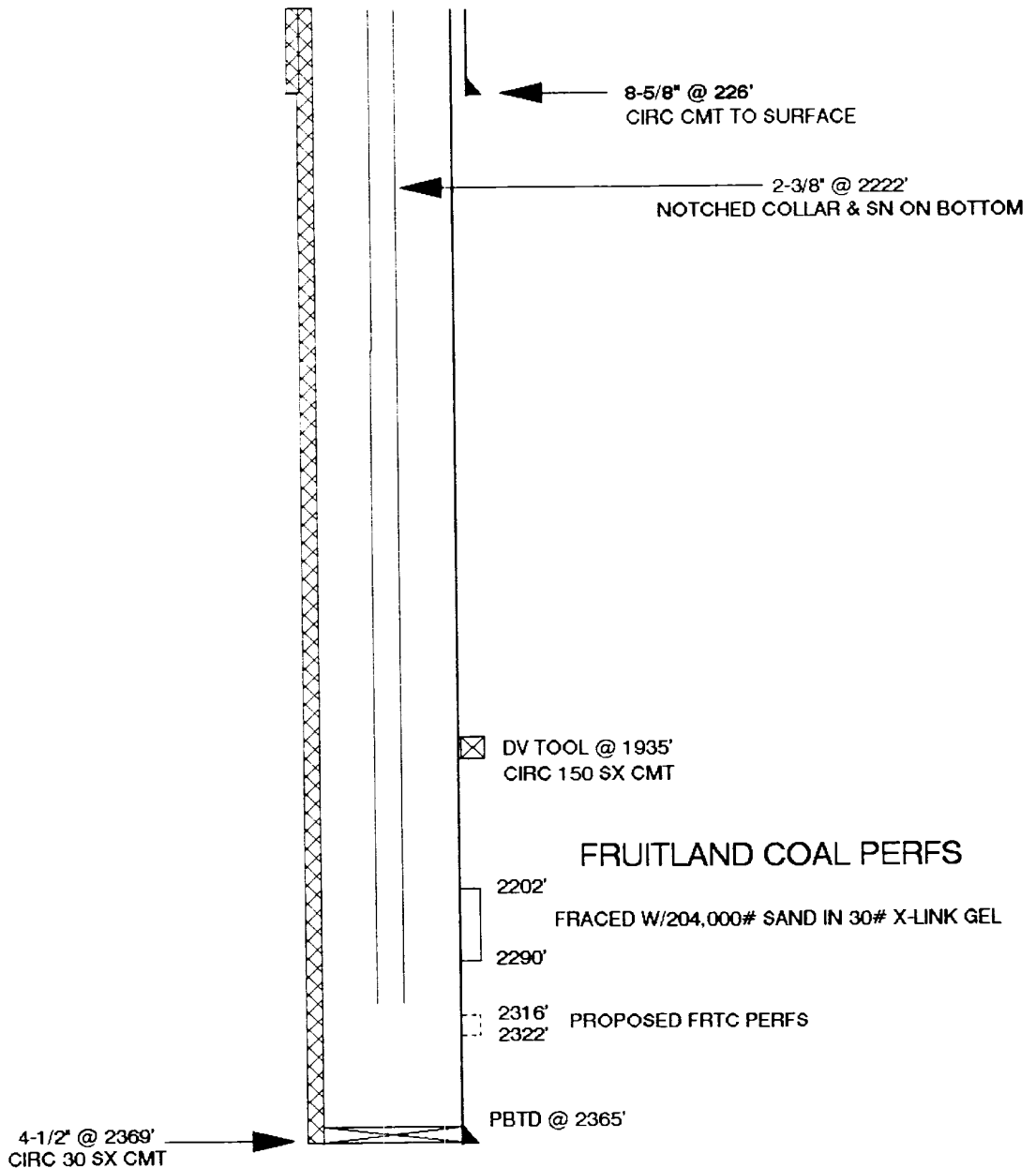
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070 FARMINGTON, NM

LODEWICK #12 FRTC

UNIT G SECTION 19 T27N R9W
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - LODEWICK #12 FRTC

Location: 1675'FNL 1500' FEL SEC. 19 T27N R09W, SAN JUAN COUNTY, N.M.

Field: Basin Fruitland Coal

Elevation: 6465' TD: 2370'
13'KB PBTD: 2365'

Prop#: 012619703
Lease: Federal NM-02861
DP#: 20861A
GWI: 100%
NRI: 83.675518%

Completed: 7-15-90

Initial Potential:

Pitot= 45 MCF/D

Casing Record:

<u>Hole Size</u>	<u>Csq. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cmt</u>
12-1/4"	8-5/8"	20# X-42	226'	250 sx	Circ 104 sx Cmt
7-7/8"	4-1/2"	11.6# J-55	2369'	150 sx	Circ 30 sx Cmt
		DV Tool @ 1935'		650 sx	Circ 150 sx Cmt

Tubing Record: 2-3/8" 4.7# J-55 2222' 71 Jts
SN @ 2221' (Notched Collar on bottom)

Formation Tops:

Ojo Alamo	1486'
Kirtland	1548'
Fruitland	2122'
Pictured Cliffs	2322'

Logging Record: Density, Microlog, coal analysis

Stimulation: Perfed FRTC @ 2279-90', 2241'44', 2234'-37', 2222'-26', 2218', 2209'-12, 2202'-05' w/4 spf. Total 136 holes. Fraced w/204,000# sand in 30# X-linked gel.

Workover History: None

Production History: First delivered 9-90. SBHP = 455 PSI @ 2005'. Current capacity is 83 MCF/D @ a line pressure of 150 psi. Acquired from Unical 2/1/93.

Pipeline: EPNG

PMP