submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-078622

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Luthy #1

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

9. **API Well No.**
30-045-05992

4. **Location of Well, Footage, Sec., T, R, M**
790'FSL, 990'FEL, Sec.1, T-26-N, R-8-W, NMPM

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	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other -	

13. **Describe Proposed or Completed Operations**

It is intended to frac the existing Fruitland Coal well as per the attached procedure and wellbore diagram.

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

Signed Peggy Bradfield (MP1) Title Regulatory Affairs Date 10/21/94

(This space for Federal or State Office use)
APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

Luthy #1 FRTC
FRTC FRAC
P 1 26 8
Lat-Long: 36.510254-107.628510

LOWER FRTC:

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. Spot and fill 3 - 400 bbl. frac tanks with 1% KCL water. Filter all water to 25 microns. On 1st stg, two tanks are for gel & one tank for breakdown water & flush. Usable gel water required for frac is 493 bbls.

3. Lower 1-1/2" tbg to check for fill. C.O. to PBTD2117' if necessary w/air mist. TOH.

4. Perf additional FRTC using w/2 spf @ 2109'-2104', 2100'-2088', 2006'-1999'. Total 48 holes. Perforate using 4" hollow steel carrier guns loaded w/Owen HSC-4000-302 19 gm. charges phased at 180 degrees & 2 spf. Avg. perf dia.= 0.45". Average penetration is 18" in Berea.

5. TIH w/7" pkr on 3-1/2" 9.3# P-110 w/shaved collars (4.25" O.D. 2.992" I.D.) rental frac string & set @ 2050'. Load backside w/1% KCL water. Breakdown & attempt to balloff lower FRTC perforations w/2500 gal. 15% HCL acid & 105-7/8" 1.3 sp gr RCN perf balls. Max pressure is 4500 psi. (1gal/1000 corrosion inhibitor). Lower pkr to 2112' to knock off perf balls. Reset pkr @ 2050'.

6. Monitor & record backside (open perfs) during frac. Fracture treat lower FRTC down frac string with 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 and surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Flush w/1% KCL water. Max. pressure is 6000 psi and estimated treating pressure is 3660 psi. Frac string friction @ 55 BPM is 2050 psi. Treat per the following schedule:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
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	(0)	(749)	
Totals	69,000	20,700	130,000#

Shut well in after frac for six hours to allow 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)

7. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. **Take pitot gauges when possible.** TOH w/pkr & frac string.

8. Set 7" ret BP @ 2050' on wireline & top w/1 sx sand.

9. Fill 2 - 400 bbl. frac tanks with 1% KCL water. Filter all water to 25 microns. One tank is for gel & one tank for breakdown water. Usable gel water required for frac is 241 bbls.

UPPER FRTC:

10. TIH w/7" pkr & 3-1/2" 9.3# P-110 w/shaved collars (4.25" O.D. 2.99" I.D.) rental frac string & set @ 1800'. W/ 500 psi on backside, breakdown & attempt to balloff upper FRTC perforations w/2000 gal. 15% HCL acid & 50-7/8" 1.3 sp gr RCN perf balls. Max pressure is 4500 psi. (1 gal/1000 corrosion inhibitor). Lower pkr to 2040' to knock off perf balls. Reset pkr @ 1900'.

11. Fracture treat upper FRTC down frac string with 37,000 gals. of 70 quality foam using 30# gel as the base fluid & 60,000# 20/40 Arizona sand. Pump at 45 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. Flush w/foam. Max. pressure is 6000 psi and estimated treating pressure is 3360 psi. Pipe friction is 1425 psi @ 45 BPM. Treat per the following schedule:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	8,000	2,400	----
1.0 ppg	5,000	1,500	5,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	5,000	1,500	15,000
4.0 ppg	5,000	1,500	20,000
Flush	(690)	(207)	____
Totals	33,000	9,900#	60,000#

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)

12. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. **Take pitot gauges when possible.** TOH w/pkr & frac string.

13. TIH w/ret head on 1-1/2" tbg & C.O. w/air/mist to ret BP @ 2050'. **Take pitot gauges when possible.** When well is sufficiently clean, and a sustained gas gauge has been taken, retrieve BP @ 2050' & TOH.

14. TIH w/notched collar on 1-1/2" tbg & C.O. to 2117'. Monitor gas and water returns and **take pitot gauges when possible.**

15. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 2117'-1700'.

16. TIH with 1-1/2" tbg with standard seating nipple one joint off bottom and again cleanout to 2117'. When wellbore is sufficiently clean, land tbg at 2050'KB. **Take final water and gas samples & rates.**

17. Replace any bad valves on wellhead. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: PJB
Pat Bent

VENDORS:

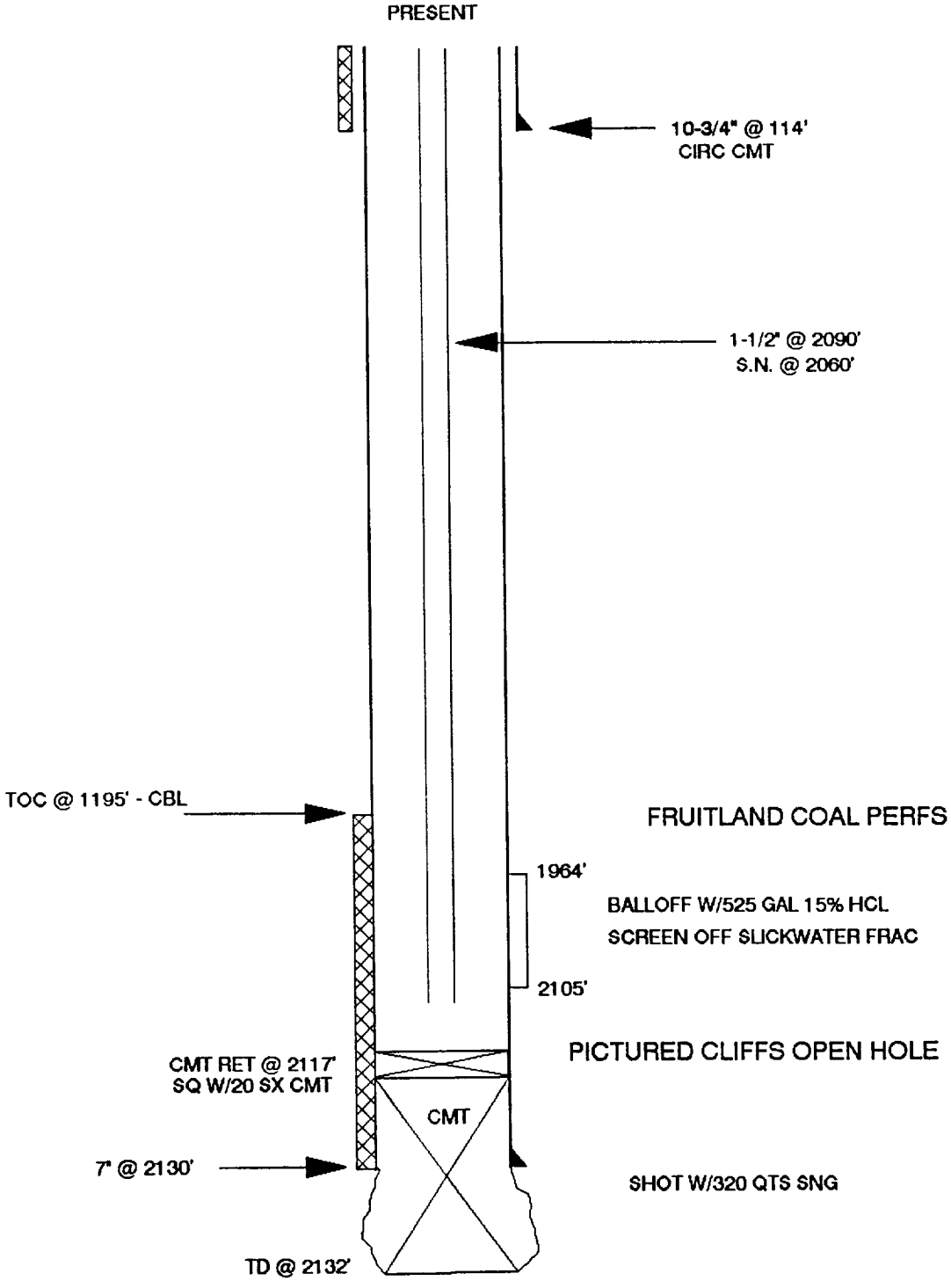
Wireline:	Blue Jet	325-5584
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133

PMP

LUTHY #1 FRTC

UNIT P SECTION 1 T26N R8W

SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - LUTHY #1 FRTC

Location: 790'FSL 990' FEL SEC. 1 T26N R08W, SAN JUAN COUNTY, N.M.

Field: Basin Fruitland Coal

Elevation: 6096' **TD:** 2132'
10'KB **PBTD:** 2117'

Prop#: 012601903
Lease: Federal SF-078622
DP#: 48436B
GWI: 100.0%
NRI: 82.50%

Completed: 6-23-52
Recompleted: 9-12-88

Initial Potential:
PC: AOF = 362 MCF/D, SICP=876 psi
FRTC: Pitot= 30 MCF/D

Casing Record:

Hole Size	Csg. Size	Wt. & Grade		Depth Set	Cement	Top/Cmt
10-3/4"	10-3/4"	40#	SMLS	114'	98 sx	Circ. Cmt
8-3/4"	7"	20#	N/A	2130'	90 sx	1195' - CBL

Tubing Record: 1-1/2" 2.9# J-55 2100' 66 Jts
S.N. @ 2060'

Formation Tops:

Ojo Alamo	1382'
Kirtland	1400'
Fruitland	1870'
Pictured Cliffs	2110'

Logging Record: CBL (88), CNL (88)

Stimulation: Open hole (2130'-2215') Shot w/320 qts SNG.

Workover History: **9-12-88:** Set Cmt Ret @ 2117' & sq w/20 sx cmt. Perfed FRTC @ 1964', 85', 2000', 02', 04', 31', 67', 88', 91', 93', 95', 97', 99', 2105' w/1 spf. Balled off perfs w/525 gal 15% acid. Slick water frac screened off as sand hit perfs. (May have reperfed)?? **10-21-92:** Swabbed well in. **4-1-93:** Swabbed well in.

Production History: PC cumulative = 236 MMCF @ 1176 BTU. FRTC 1st delivered 11-7-88. Tbg = 3 psi. Csg = 417 psi. Brad = 0 psi. Line = 100 psi. A 1" line runs to warer tank for rancher, no pressure, but flows a stream about 1/4" in diameter.

Pipeline: EPNG

PMP