

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

## Sundry Notices and Reports on Wells

SEP 10 AM 11:45

1. Type of Well  
GAS

5. Lease Number

070 FSE 078092 NM

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

2. Name of Operator  
MERIDIAN OIL

8. Well Name & Number  
Douthit Fed #352

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

9. API Well No.

4. Location of Well, Footage, Sec., T, R, M  
1190' FSL, 1195' FWL Sec. 15, T-27-N, R-11-W, NMPM  
35

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 additional coal in this well per the attached procedure and wellbore diagram.

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:

Date

APPROVED

SEP 13 1993

DISTRICT MANAGER

NMOCD

Douthit Federal #352 FRTC  
Recompletion Procedure  
M 35 27 11  
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 @ 1846' & pressure test to 3000 psi. TOH w/ 67 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 284 bbls.
4. Perf additional FRTC 1908'-20' 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 48 holes.
5. TIH with 5-1/2" Baker SAP tool on 2-3/8" tbg. Space packing elements @ 2 feet. Breakdown perforations from 1908'-1920' w/100 gal. 7-1/2% HCL per setting. Total acid will be 600 gal. (1 gal/1000 corrosion inhibitor & 1 gal/1000 Clay Sta XP). Record breakdown pressures. TOH.
6. 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 @ 1890'. Fracture treat well down frac string with 39,000 gals. of 70 quality foam using 30# gel as the base fluid & 50,000# 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:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	15,000	4,500	----
1.0 ppg	10,000	3,000	10,000
2.0 ppg	5,000	1,500	10,000
3.0 ppg	6,000	1,800	18,000
4.0 ppg	3,000	900	12,000
Flush	( 695)	209	
Totals	39,000	11,700#	50,000#

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

7. 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 4-3/4" bit on 2-3/8" tbg and clean out to 1926' 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 1926'-1600'.
11. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 1926'. When wellbore is sufficiently clean, land tbg at 1880'KB. Take final water and gas samples & rates.
12. ND BOP and NU wellhead & tree. Rig down & release rig.

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

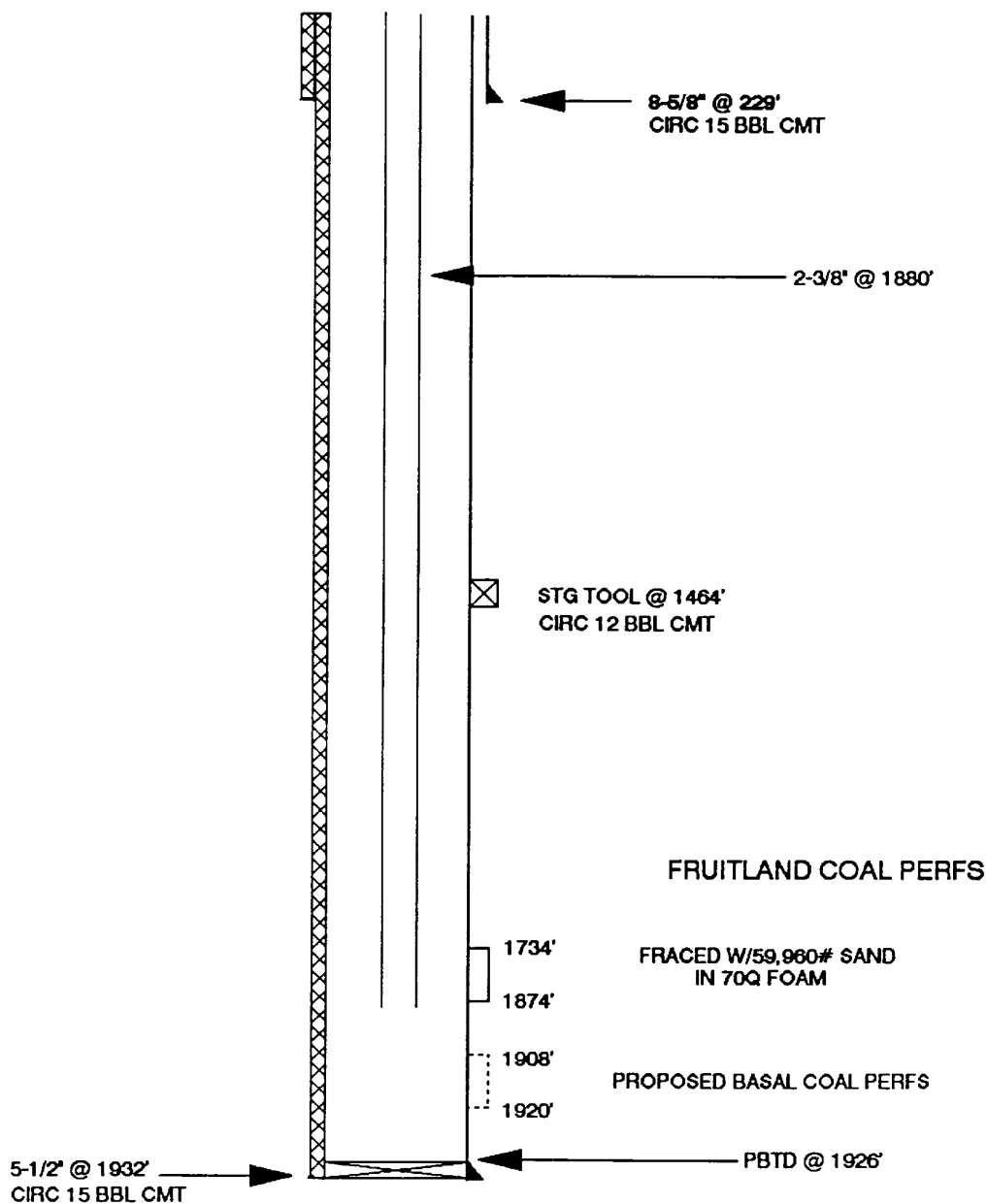
VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133
Packer:	Baker	325-0216

PMP

# DOUTHIT FEDERAL #352 FRTC

UNIT M SECTION 35 T27N R11W  
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - DOUTHIT FEDERAL #352 FRTC

Location: 1190' FSL 1195' FWL SEC. 35 T27N R11W, SAN JUAN COUNTY, N.M.

Field: Basin Fruitland Coal

Lease: Federal SF 078092

Elevation: 6420' TD: 1932'  
13'KB PBTD: 1926'

DP#: 6484A

GWI: 50.00%

NRI: 43.25%

Completed: 2-5-91

Initial Potential:

Final Pitot Gauge=28 MCF/D, SIBHP= 438 psi

Casing Record:

Hole Size	Csq. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
12-1/4"	8-5/8"	24# K-55	229'	248 CF	Circ 15 BBL Cmt
7-7/8"	5-1/2"	15.5# K-55	1932'	170 cf	Circ 15 BBL Cmt
		Stage Tool @	1464'	496 sx	Circ 12 BBL Cmt.
		Marker Jt @	1570'		

Tubing Record: 2-3/8" 4.7# J-55 1880' 67 Jts  
"F" nipple @ 1846'

Formation Tops:

Ojo Alamo	879'
Kirtland	992'
Fruitland	1608'

Logging Record: Dual Induction, Microlog, Nuetron/Density, Nat. Gamma Spect., Cyberlook, CBL, After Frac GR.

Stimulation: Perf FRTC @ 1734'-39', 1752'-54', 1784'-86', 1833'-35', 1872'-74' w/4 spf & fraced w/59,960# sand in 70Q foam w/30# gel.

Workover History: None

Production History: 1st delinery = 1-27-92. Capacity = 0 MCF/D.

Pipeline: EPNG

PMP