

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

Sundry Notices and Reports on Wells

95 AUG 21 PM 1:49

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  
972' FSL, 847' FWL, Sec.30, T-27-N, R-8-W, NMPM

5. Lease Number: 8468  
I-149-IND-2468  
6. If Indian, All. or  
Tribe Name  
Navajo  
7. Unit Agreement Name

8. Well Name & Number  
Navajo Indian B #1  
9. API Well No.  
30-045-06201  
10. Field and Pool  
Basin Fruitland Coal/  
So Blanco Pict.Cliffs  
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 - Stimulate	

## 13. Describe Proposed or Completed Operations

It is intended to stimulate the Fruitland Coal formation of the subject well according to the attached procedure and wellbore diagram.

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

Signed [Signature] (PMP1) Title Regulatory Administrator Date 8/16/95

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any: \_\_\_\_\_

APPROVED

AUG 23 1995

DISTRICT MANAGER

WMOOD

NAVAJO INDIAN B #1 FRTC  
Workover Procedure  
M 30 27 8  
San Juan County, N.M.  
Lat-Long: 36.550476 - 107.727661

1. Comply to all NMOCD, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP w/flow tee and stripping head. NU blooie line & 2-7/8" relief line.
2. Lower tbg to tag fill. If fill is above 1991', C.O. w/air/mist to 1992'. TOH w/62 jts 2-3/8" tbg. Set blanking plug in S.N. of 2-3/8" tbg @ 1948'. Pressure test to 2000 psi
3. Spot and fill 3-400 bbl. frac tanks w/1% KCL water. Filter all water to 25 microns. Two tanks are for gel & one tank for breakdown water. Usable water required for frac is 500 bbls.
4. TIH w/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'. (Run 6 jts 2-7/8" N-80 tbg above pkr). Load backside w/1% KCL water & pressure backside to 500 psi & monitor during frac.
5. Fracture treat FRTC down frac string w/69,000 gals. of 70 quality foam using 30# gel as the base fluid & 130,000# 20/40 Arizona sand. Pump at 50 BPM. Monitor bottomhole & surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged w/ 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 6000 psi & estimated treating pressure is 4500 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	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	( 657)	(197)	0
Totals	69,000	20,700	130,000#

Shut well in after frac for six hours in an attempt to allow the gel to break. Treat frac fluid w/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# GVV-3 (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 (Bactericide mix on full tank)

6. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible.
7. Release pkr & TOH w/frac string. TIH w/4-3/4" bit on 2-3/8" tbg & clean out to 1992' w/air/mist.
8. Monitor gas & water returns & take pitot gauges when possible.

NAVAJO INDIAN B #1 FRTC - FRAC EXISTING FRTC

- 9. When wellbore is sufficently clean, TOH & run after frac gamma-ray log from 1992'-1600'.
- 10. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom & again cleanout to 1992'. When wellbore is sufficiently clean, land tbg @ 1900' KB. Take final water & gas samples & rates.
- 11. ND BOP & 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
Packers:	Schlum.	325-5006

PMP

**Pertinent Data Sheet - NAVAJO INDIAN B #1 FRTC**

**Location:** 972' FSL & 847' FWL, Unit M, Section 30, T27N, R08W, San Juan County New Mexico

<b><u>Field:</u></b> Basin Fruitland Coal	<b><u>Elevation:</u></b> 6070' GL 7' KB	<b><u>TD:</u></b> 2118' <b><u>PBTD:</u></b> 1992'
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**Completed:** 8-18-57    **Spud Date:** 8-30-57

**Recompleted:** 10-10-90

**DP #:** 32092B

**Lease:** Ind:I-149-IND-8468

**GWl:** 100%

**NRI:** 87.5%

**Prop#:** 071217001

**Initial Potential:** FRTC pitot = 28 MCF/D SIBHP = 627 psi

**Casing Record:**

<b><u>Hole Size</u></b>	<b><u>Csg Size</u></b>	<b><u>Wt. &amp; Grade</u></b>	<b><u>Depth Set</u></b>	<b><u>Cement</u></b>	<b><u>Cement (Top)</u></b>
13"	9-5/8"	32.3# H-40	95'	80 sx.	Circ Cmt
7-7/8"	5-1/2"	15.5# J-55	2118'	100 sx.	1631' @ 75% Eff.

**Tubing Record:**

<b><u>Tbg. Size</u></b>	<b><u>Wt. &amp; Grade</u></b>	<b><u>Depth Set</u></b>	
2-3/8"	4.7# J-55	1981'	62 Jts
		S.N. @ 1948'	

**Formation Tops:**

Ojo Alamo:	1127'
Kirtland Shale:	1293'
Fruitland:	1815'
Pictured Cliffs:	1995'

**Logging Record:** Induction, CNL.

**Stimulation:** Perfed PC 2000'-2060' w/4 spf & fraced w/100,000# sand in slick water.

**Workover History:** 4-26-58: Set BP @ 1995'. Perfed 1992'-94' w/8 holes. Set model "K" ret @ 1916' & sq perfs w/60 sx cmt. Drilled out to 2070'. Reperfed 2005'-34' w/2 spf & acidized w/2000 gal.

10-10-90: Set BP @ 1996' (would not pressure test). Set BP @ 1992'. Spotted 125 gal 15% HCL acid & perfed FRTC @ 1894'-1912', 1946'-75', 1981'-91' w/2 spf. Broke FRTC down w/Spit tool & 525 gal 15% HCL acid. Swabbed 2 days.

**Production history:** FRTC 1st delivered 4-27-93 Current FRTC capacity is 43 MCF/D. PC cum is 691 MMCF. FRTC SIBHP=627 psi @ 1975'.

**Pipeline:** Sunterra

# NAVAJO INDIAN B #1 PC

UNIT M SECTION 30 T27N R8W  
SAN JUAN COUNTY, NEW MEXICO

