

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports of Wells

070 FARMINGTON, NM

1. Type of Well
GAS

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
990' FNL, 990' FWL, Sec.19, T-27-N, R-8-W, NMPM

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

8. Well Name & Number
Navajo Indian B #2
9. API Well No.
30-045-06401
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.

RECEIVED
AUG 28 1995
OIL CON. DIV.
DIST. 3

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

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

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED

AUG 22 1995

DISTRICT MANAGER

NMOC

NAVAJO INDIAN B #2 FRTC
Workover Procedure
D 19 27 8
San Juan County, N.M.
Lat-Long: 36.564835 - 107.737097

1. Comply to all NMOC, 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. Set blanking plug in S.N. of 2-3/8" tbg @ 1956' & pressure test to 2000 psi. Lower tbg to tag fill. If fill is above 1996', C.O. w/air/mist to 2015'. TOH w/67 jts 2-3/8" tbg.
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 @ 1700'. (Run 6 jts 2-7/8" N-80 tbg above pkr). Load backside w/1% KCL water. Pressure backside to 500 psi & monitor during breakdown. Breakdown & attempt to balloff perms w/2000 gal 15% HCL & 92 - 7/8" 1.3 sp gr RCN perf balls. (1 gal/1000 corrosion inhibitor). Record breakdown pressures. Lower pkr to 2000' to knock off perf balls. Reset pkr @ 1800', 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# GVW-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 | (Bacteriacide 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 2015' w/air/mist.

8. Monitor gas & water returns & take pitot gauges when possible.
9. When wellbore is sufficiently clean, TOH & run after frac gamma-ray log from 2015'-1600'.
10. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom & again cleanout to 2015'. 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.

Andrew Walker, Jr.
5/30/19

Approve: *R. B. A.*
Drilling Superintendent

VENDORS:

Wireline:	Basin	327-5244
Fracturing:	Howco	325-3575
RA Tagging:	Pro-Technics	326-7133
Packers:	Schlum.	325-5006

PMP

Pertinent Data Sheet - NAVAJO INDIAN B #2 FRTC

Location: 990' FNL & 990' FWL, Unit D, Section 19, T27N, R08W, San Juan County, New Mexico

Field: Basin Fruitland Coal **Elevation:** 6026' GL
10' KB **TD:** 2142'
PBTD: 2015'

Completed: 2-28-59 **Spud Date:** 3-18-59

Recompleted: 11-19-90

DP #: 32087B

Lease: Ind:l-149-IND-8468

GWI: 100%

NRI: 87.5%

Prop#: 071216901

Initial Potential: FRTC pitot = 16MCF/D SIBHP = 505 psi

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/2"	8-5/8"	32.3# H-40	97'	70 sx.	Circ Cmt
7-7/8"	5-1/2"	15.5# J-55	2142'	100 sx.	1452' - CBL

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
2-3/8"	4.7# J-55	1987'	67 Jts
		S.N. @ 1956'	

Formation Tops:

Ojo Alamo:	1242'
Kirtland Shale:	1270'
Fruitland:	1855'
Pictured Cliffs:	2041'

Logging Record: Induction, CNL, CBL.

Stimulation: Perfed PC 2030'-2110' w/4 spf & fraced w/100,000# sand in slick water.

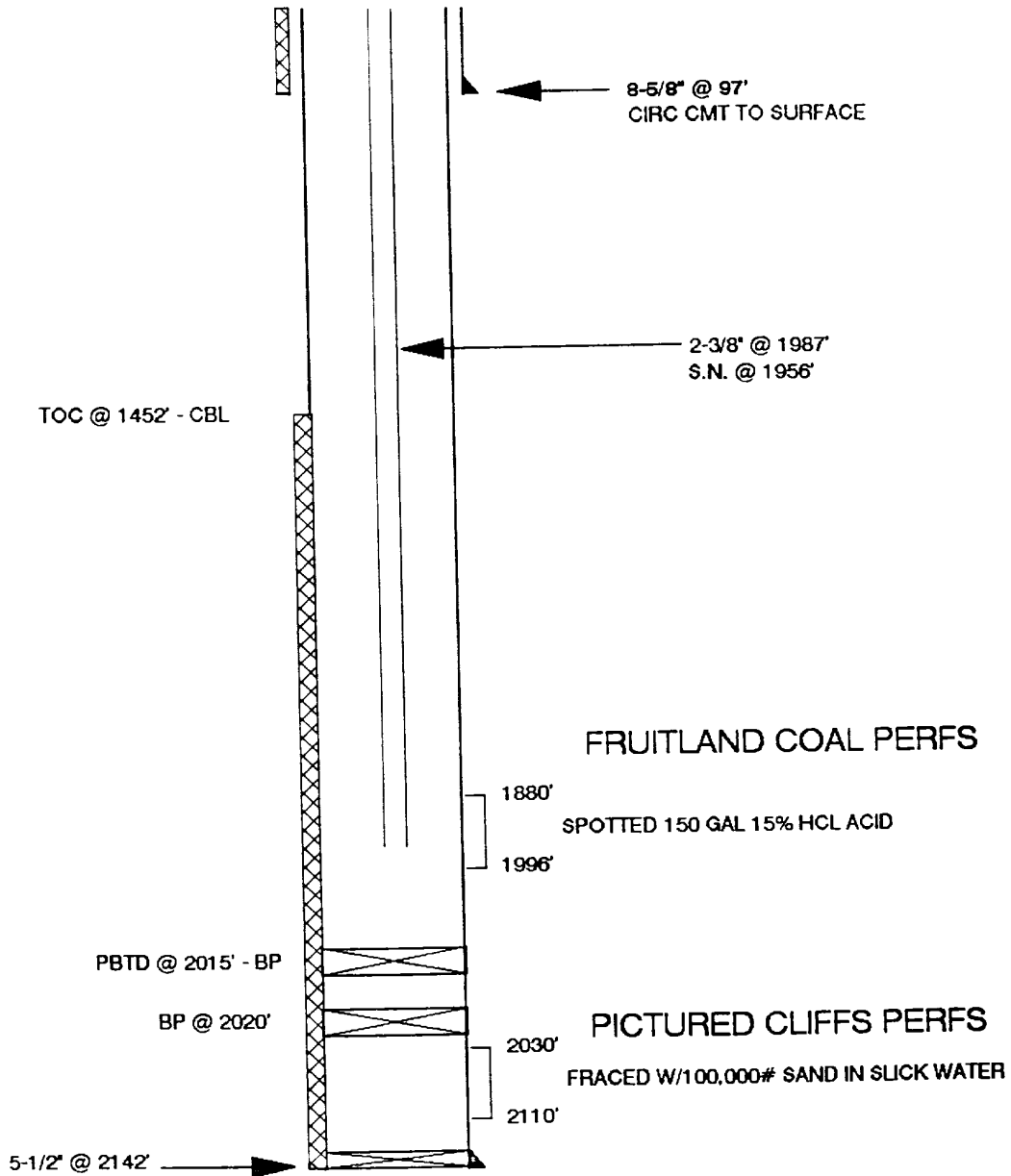
Workover History: 11-19-90: Set BP @ 2020' (would not pressure test). Set BP @ 2015'. Spotted 150 gal 15% HCL acid & perfed FRTC @ 1880'-85', 1913'-30', 1960'-68', 1976'-79', 1992'-96' w/2 spf. Swabbed 1-1/2 days.

Production history: FRTC 1st delivered 1-6-94. Current FRTC capacity is 75 MCF/D. PC cum is 348 MMCF. FRTC SIBHP=505 psi @ 1980'.

Pipeline: Sunterra

NAVAJO INDIAN B #2 PC

UNIT D SECTION 19 T27N R8W
SAN JUAN COUNTY, NEW MEXICO



NAVJO INDIAN RES
278

1900

2000