

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

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
420' FSL, 400' FWL, Sec. 14, T-27-N, R-10-W, NMPM

5. Lease Number
SF-079596
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Morris #3
9. API Well No.
30-045-06446
10. Field and Pool
Fulcher Kutz 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"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input checked="" type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other - Stimulate
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to drill to a new TD of 2150', run and cement 3 1/2" casing, perforate and fracture treat the Pictured Cliffs according to the attached procedure and wellbore diagram. The well will then be returned to production.

RECEIVED
OCT - 2 1995
OIL CON. DIV
DIST. 3

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

Signed [Signature] (PMP1) Title Regulatory Administrator Date 9/20/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Date **APPROVED**

SEP 22 1995

DISTRICT MANAGER

NMOC

MORRIS #3 PC
Workover Procedure
P 14 27 10
San Juan County, N.M.
Lat-Long: 36.568939 - 107.856842

1. Comply to all NMOCDC, 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. TOH w/1" tbg & lay down (fish 1" tbg if necessary). TIH w/4-3/4" bit on 2-3/8" work string & C.O. w/air/mist to new TD 2150'. Load hole w/1% KCL water. TOH.
3. MI Blue Jet. Run an advanced integrated data processing GSL neutron log 2150'-1700' & coorelate to csg shoe @ 2055'.
4. Run 3-1/2"-OD 9.2# J-55 NUE tbg to TD 2150' w/Omega type latching collar above 2' tbg sub w/notched collar on bottom. Space out using tbg subs & install 3-1/2" csg in new csg spool. Cement w/130sx 50-50 CI"B" POZ w/2% gel & 6-1/2#/sx kolite & 10% salt & 2% Cacl. (yield=1.44 cf/sx). (Calc'd for 100% excess cmt). After cmt, break & wash lines, run 2 wiper balls & Omega wiper latching plug, followed by 100 gal 7-1/2% HCL acid. Displace acid w/1%KCL water. Install 6000 psi rental frac valve on 3-1/2" csg.
5. Pressure test csg to 6000 psi. MI Basin Perforating. Run CBL-GR-CCL & coorelate to neutron log. Perf PC w/about 14 holes over 100' of PC interval as per Production Engineering Dept. Perf w/2-1/8" SHOGUN SDP STP-2125-401NT 14 gr charges which make a 0.27" hole & 21.8" of penetration in concrete
6. Break down & attempt to balloff PC perfs down 3-1/2" csg w/2000 gal 15% GCL & 150% excess perf balls. Acidize @ 7 BPM w/max pressure = 6000 psi. Run junk basket to retrieve balls.
7. Spot & fill 2-400 bbl. frac tanks w/2% KCL water. Filter all water to 25 microns. One tank is for gel & one tank is for breakdown water. Usable gel water required for frac is 355 bbls.
8. Frac PC down 3-1/2" csg w/49,000 gals. of 70 quality foam using 30# gel as the base fluid & 80,000# 20/40 Arizona sand. Pump at 55 BPM. Increase foam rate to obtain a surface treating pressure of at least 5000 psi. 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 5500 psi. Treat per the folowing schedule:

<u>Stage</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	14,000	4,200	---
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	5,000	1,500	20,000
Flush	(750)	(225)	0
Totals	49,000	14,700	80,000#

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)

MORRIS #3 PC - CEMENT 3-1/2" CSG. PERF PC. & FRAC

- * 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)
 - * 3.0 gal Fracfoam I (Foamer mix on fly)
 - * 0.38# FracCide 20 (Bacteriacide mix on full tank)
9. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr. or less if sand is observed. **Take pitot gauges every hour, if possible.**
10. Change out frac valve w/tbg head. TIH w/notched collar on 1-1/4" IJ tbg & C.O. to 2148'. Monitor gas & water returns & **take pitot gauges every hour, if possible.**
11. When wellbore is sufficiently clean (water rate less than 1/2 BPH and no sand). TOH & run after frac gamma-ray log from 2148'-1700'.
12. TIH w/1-1/4" IJ tbg w/standard seating nipple one joint off bottom & again cleanout to 2148'. Use expendable check, if necessary. When wellbore is sufficiently clean (water rate less than 1/2 BPH and no sand), land tbg @ 2080' KB. **Take final water & gas samples & rates.**
13. ND BOP & NU wellhead & tree. Rig down & release rig.

Approve: _____
Drilling Superintendent

VENDORS:

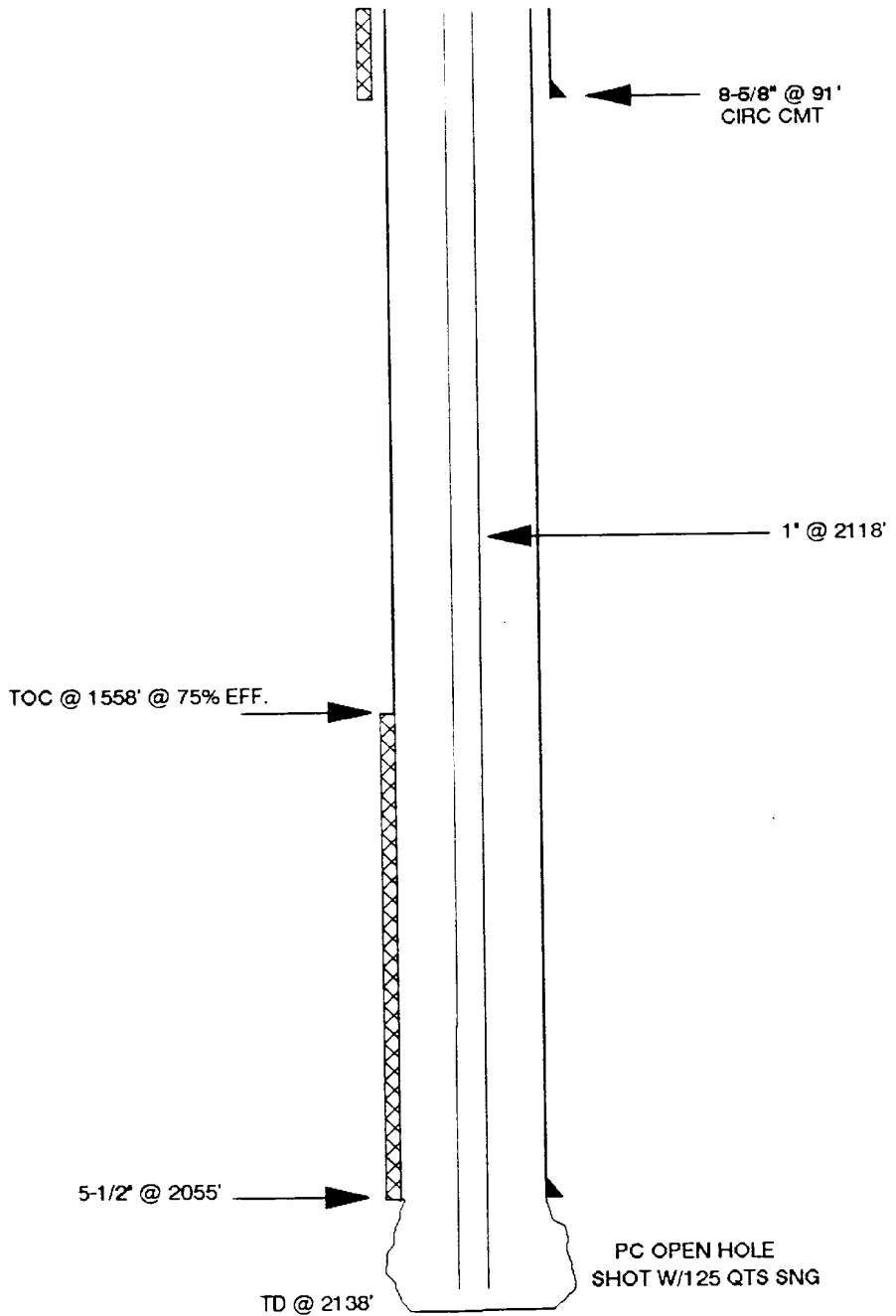
GSL Log:	Blue Jet	325-5584
Perfing	Basin	327-5244
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133
Csg Equip:	Howco	325-3575
Cmt	Howco	325-3575

PMP

MORRIS #3 PC

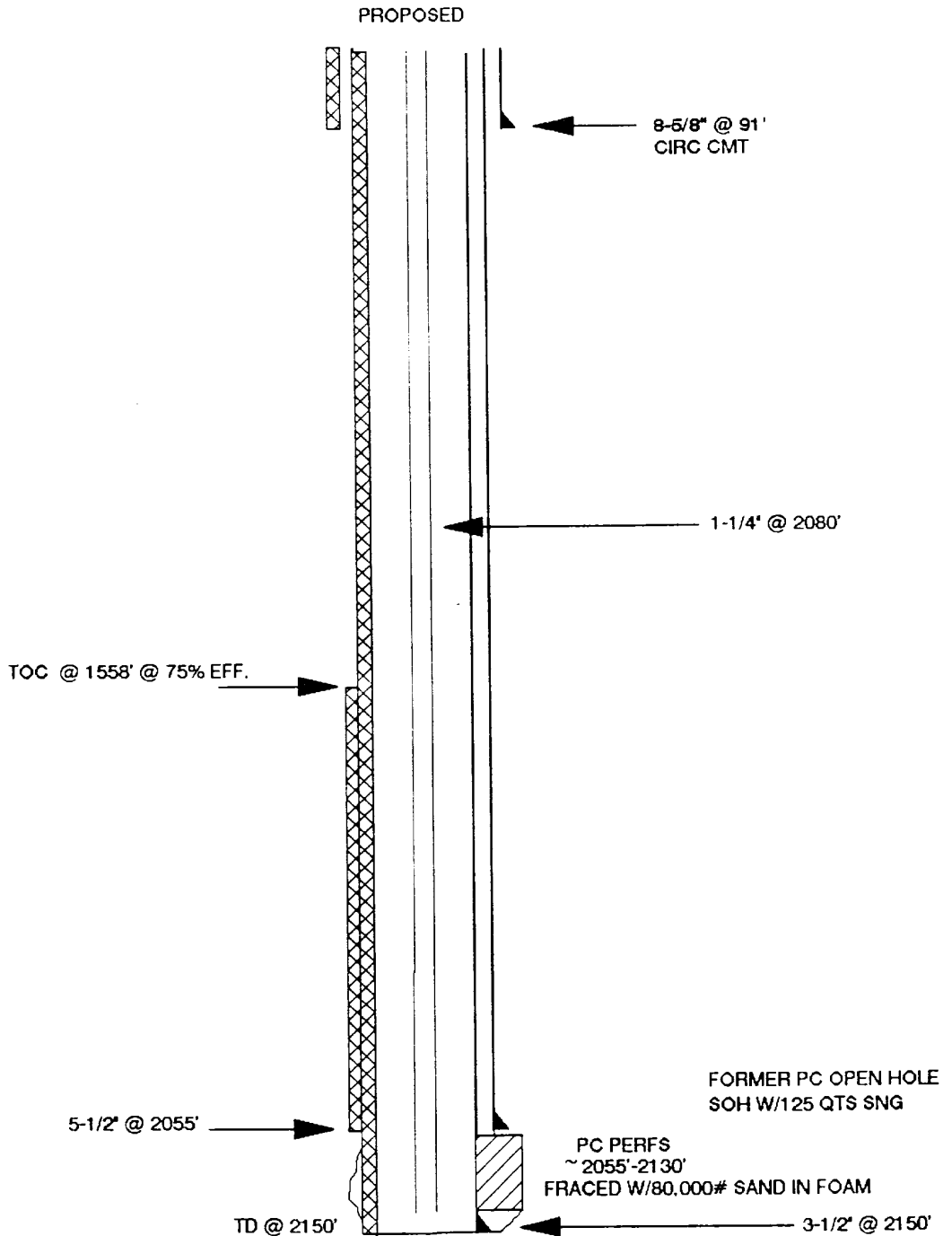
UNIT P SECTION 14 T27N R10W
SAN JUAN COUNTY, NEW MEXICO

PRESENT



MORRIS #3 PC

UNIT P SECTION 14 T27N R10W
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - MORRIS #3 PC

Location: 420' FSL & 400' FWL, Unit P, Section 14, T27N, R10W, San Juan County, New Mexico

Field: Fulcher-Kutz PC

Elevation: 6151' GL
4' KB

TD: 2138'
PBTD: 2138'

Completed: 8/25/52

Spud Date: 9/4/52

DP #: 50867A

Lease: Fed: SF 079596

GWI: 100%

NRI: 65.625%

Prop#: 072257400

Initial Potential: Initial Potential = 327 MCF/D, SICP=559 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>
12-1/4"	8-5/8"	36# H-40	91'	75 sx.	Circ Cmt
7-7/8"	5-1/2"	17# Chester	2055'	150 sx.	1558' @ 75% Eff.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1"	1.7#	2118'

Formation Tops:

Ojo Alamo:	1180'
Kirtland Shale:	1266'
Fruitland:	1759
Pictured Cliffs:	2051'

$$\frac{2118' - 1266'}{1.7} = 64$$

Logging Record: None

Stimulation: SOH w/125 qts SNG..

Workover History: NONE

Production history: PC 1st delivered 1952. Current PC capacity is 0 MCF/D. PC cum is 203 MMCF..

Pipeline: EPNG

MARTIN GAS

CON F 12

2200

14 27 10

OFFSET TO:

MORRIS #3 AC

P 14 27 10

2300