

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
1850' FSL, 990' FWL, Sec. 13, T-27-N, R-10-W, NMPM

5. Lease Number
SF-077329
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
C M Morris #4
9. API Well No.
30-045-06497
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"/> 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 checked="" 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 drill to a new TD of 2130', 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] (PMPL) Title Regulatory Administrator Date 9/20/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

APPROVED

SEP 25 1995

DISTRICT MANAGER

NMOCD

2024

S.M. MORRIS #4 PC
Workover Procedure
L 13 27 10
San Juan County, N.M.
Lat-Long: 36.572296 - 107.852051

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. TOH w/1" tbg & lay down. TIH w/4-3/4" bit on 2-3/8" work string & C.O. w/air/mist to new TD 2130'. Load hole w/1% KCL water. TOH.
3. MI Blue Jet. Run an advanced integrated data processing GSL neutron log 2130'-1600'.
4. Run 3-1/2"-OD 9.2# J-55 NUE tbg to TD 2130' w/Omega type latching collar above 2' tbg sub w/notched collar on bottom. Cement w/200sx 50-50 Cl"B" POZ w/2% gel & 6-1/2#/sx kolite & 10% salt & 2% Cacl. (yield=1.44 cf/sx). 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. Space out using tbg subs & install 3-1/2" csg in new csg spool. Install 6000 psi rental frac valve on 3-1/2" csg.
5. Pressure test csg to 6000 psi. MI Basin Perforating. Run 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 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. 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	(730)	(219)	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)
- * 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 when possible.
- 10. Change out frac valve w/tbg head. TIH w/notched collar on 1-1/4" IJ tbg & C.O. to 2128'. Monitor gas & water returns & take pitot gauges when possible.
- 11. When wellbore is sufficently clean, TOH & run after frac gamma-ray log from 2128'-1600'.
- 12. TIH w/1-1/4" IJ tbg w/standard seating nipple one joint off bottom & again cleanout to 2128'. Use expendable check if necessary. When wellbore is sufficiently clean, land tbg @ 2030' KB. Take final water & gas samples & rates.
- 13. ND BOP & NU wellhead & tree. Rig down & release rig.

Approve: _____
Drilling Superintendent

VENDORS:

Logging:	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

Pertinent Data Sheet - C.M. MORRIS #4 PC

Location: 1650' FSL & 990' FWL, Unit L, Section 13, T27N, R10W, San Juan County, New Mexico

Field: Fulcher-Kutz PC

Elevation: 6156' GL
11' KB

TD: 2103'
PBTD: 2103'

Completed: 3/26/52

Spud Date: 3/10/52

DP #: 28914A
Lease: Fed: SF 077329
GWl: 100%
NRI: 75.00%
Prop#: 071337700

Initial Potential: Initial Potential = 1,450 MCF/D, SICP=586 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>
e12-1/4"	8-5/8"	38# J&L	94'	65 sx.	Circ Cmt
e7-7/8"	5-1/2"	17 # Chester	1999'	100 sx.	1488' @ 75% Eff.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1"	1.7#	2079'

99 Jts

Formation Tops:

Ojo Alamo:	1100'
Kirtland Shale:	1187'
Fruitland:	1634'
Pictured Cliffs:	1996'

Logging Record: GRN, Microlog

Stimulation: SOH w/230 qts SNG

Workover History: 5/7/55: Fraced OH w/12,500# sand in diesel.

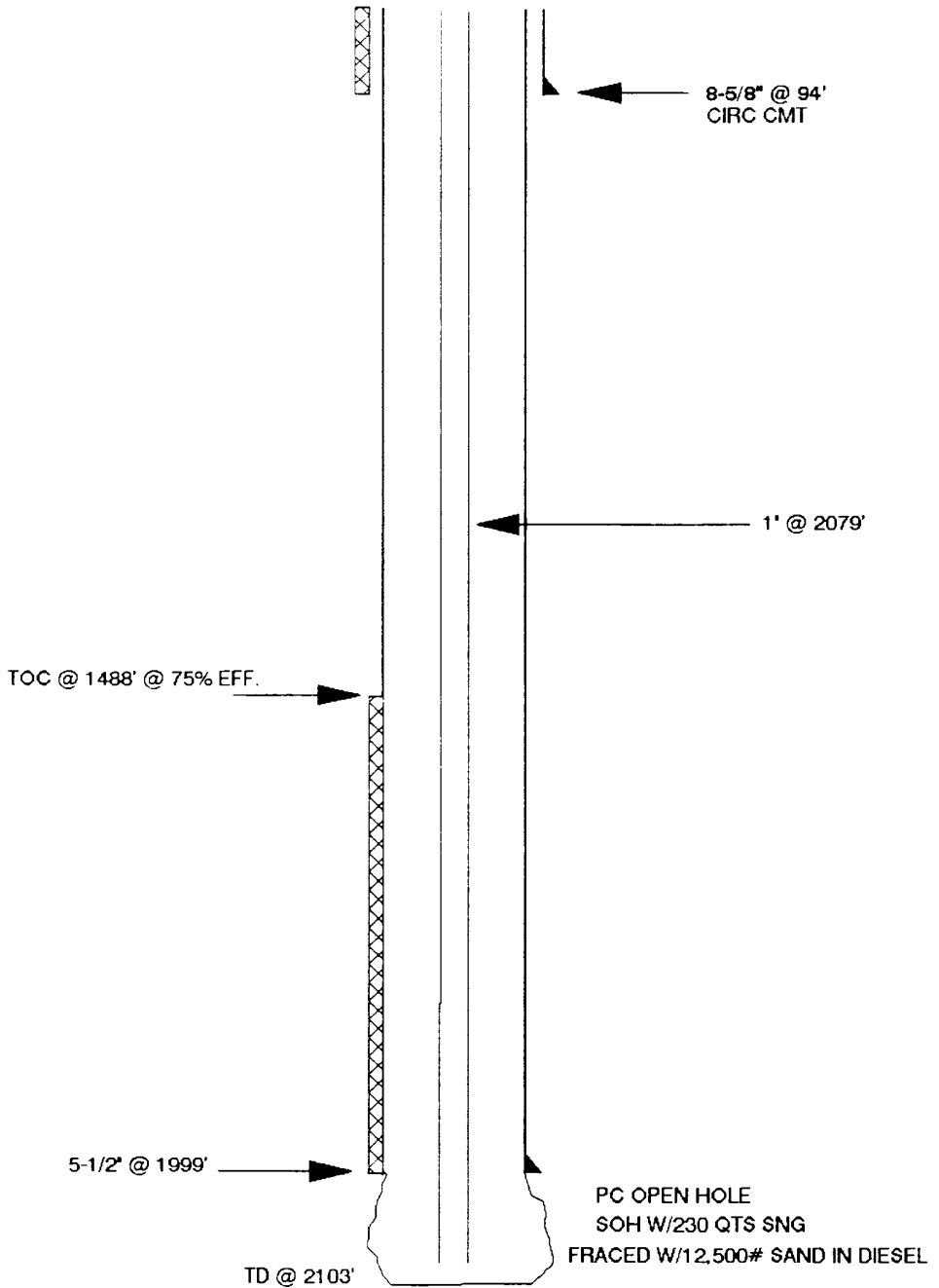
Production history: PC 1st delivered 1952. Current PC capacity is 0 MCF/D. PC cum is 1,572 MMCF..

Pipeline: EPNG

C.M. MORRIS #4 PC

UNIT L SECTION 13 T27N R10W
SAN JUAN COUNTY, NEW MEXICO

PRESENT



C.M. MORRIS #4 PC

UNIT L SECTION 13 T27N R10W
SAN JUAN COUNTY, NEW MEXICO

PROPOSED

