

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
OIL CON. DIV.

Sundry Notices and Reports on Wells
OCT 2 1995 PM 12:36

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
1090' FNL, 1090' FWL, Sec.24, T-27-N, R-9-W, NMPM

5. Lease Number
SF-078356
6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

Huerfanito Unit
8. Well Name & Number
Huerfanito Unit #95
9. API Well No.
30-045-06399
10. Field and Pool
So Blanco Pictured Cliff
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 - Stimulate	

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.

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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

NMOCD

HUERFANITO UNIT #95 PC
Workover Procedure
D 24 27 9
San Juan County, N.M.
Lat-Long: 36.564713 - 107.744476

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/ tbg & lay down. TIH w/6-1/4" bit on 2-3/8" rental tbg & 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'-1800' & coorelate to open hole log.
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. Cement w/315sx 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 80' 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:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
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	(745)	(223)	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)

HUERFANITO UNIT #95 PC - CEMENT 3-1/2" CSG, PERF PC, & FRAC

- * 1.0# B - 5 (Breaker mix on fly)
 - * 3.0 gal Fracfoam I (Foamer mix on fly)
 - * 0.38# FracCide 20 (Bactenacide 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 2148'. Monitor gas & water returns & take pitot gauges when possible.
11. When wellbore is sufficently clean, TOH & run after frac gamma-ray log from 2148'-1800'.
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, land tbg @ 2070' 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 - HUERFANITO UNIT #95 PC

Location: 1090' FNL & 1090' FWL, Unit D, Section 24, T27N, R09W, San Juan County, New Mexico

Field: So. Blanco PC

Elevation: 6062' GL
7' KB

TD: 2141'

PBTD: 2141'

Completed: 2/4/53

Spud Date: 1/21/53

DP #: 48746A

Lease: Fed: SF 078356

GWI: 84.74%

NRI: 71.82%

Prop#: 007970800

Initial Potential: Initial Potential = 640 MCF/D, SICP=700 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>
N/A	10-3/4"	40.5# H-40	136'	100 sx.	Circ Cmt
e8-3/4"	7"	20# J-55	2048'	150 sx.	1165' @ 75% EFF.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
UNKNOWN!	(Anticipate 1")	

Formation Tops:

Ojo Alamo:	1225'
Kirtland Shale:	1277'
Fruitland:	1776
Pictured Cliffs:	2042'

Logging Record: E-Log

Stimulation: Shot open hole w/153 qts SNG

Workover History: None

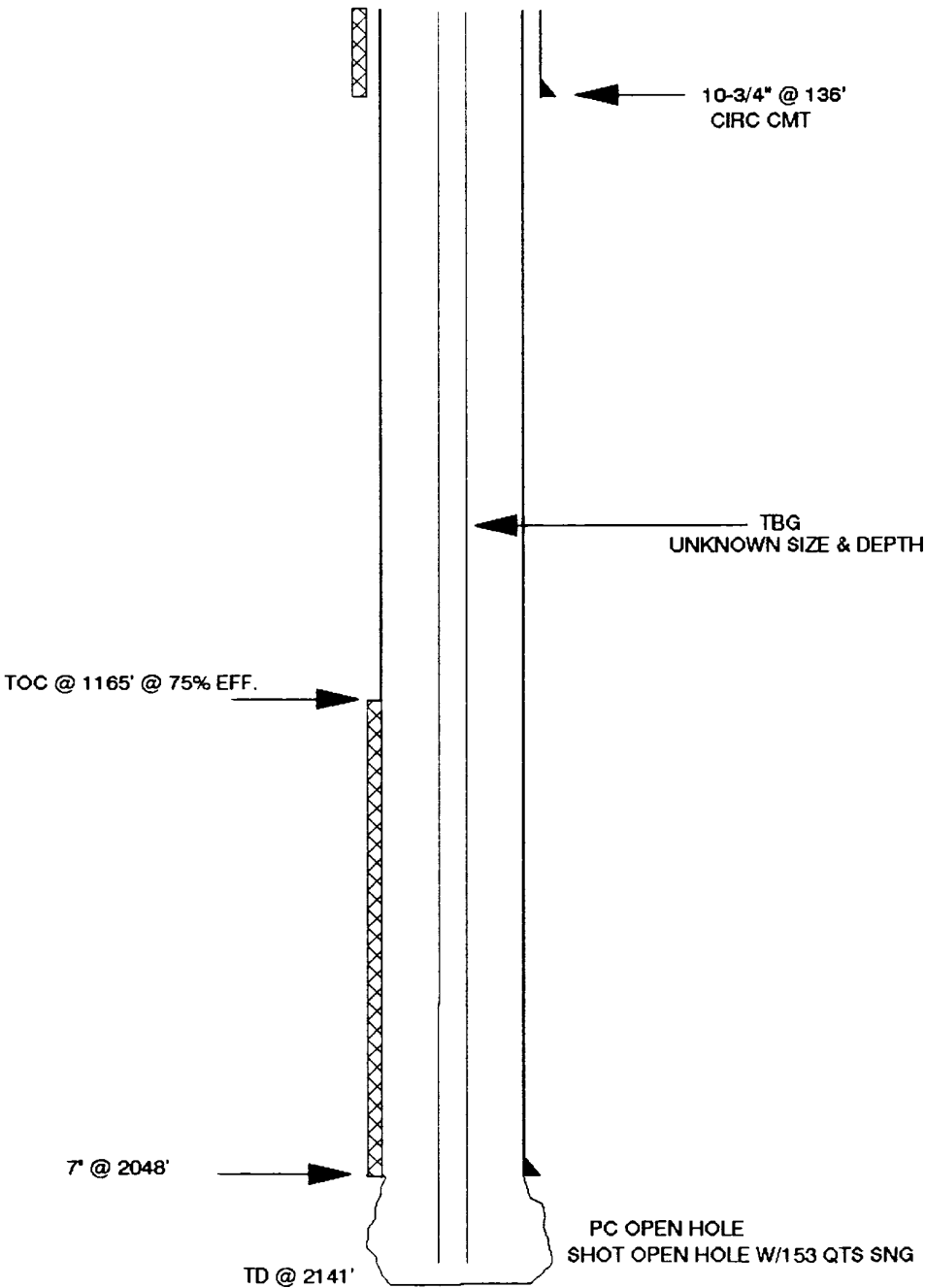
Production history: PC 1st delivered 11/53. Current PC capacity is 0 MCF/D. PC cum is 343 MMCF..

Pipeline: EPNG

HUERFANITO UNIT #95 PC

UNIT D SECTION 24 T27N R9W
SAN JUAN COUNTY, NEW MEXICO

PRESENT



UNIT D SECTION 24 T27N R9W
SAN JUAN COUNTY, NEW MEXICO

The diagram consists of two vertical bars on the left, each filled with a cross-hatch pattern. To the right of these bars are two vertical lines. Further to the right are two more vertical lines, one of which is slightly thicker than the other. This diagram illustrates the relationship between the number of vertical lines and the number of vertical lines.

FF. 

PC PERFS
~ 2048'-2120'
FRACED W/80,000# SAND IN FOAM

HUERFANITO UNIT #96 PC
 D 24 27 9

