

submitted in lieu of Form 3160-5

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

791' FSL, 802' FWL, Sec. 12, T-25-N, R-8-W, NMPM

5. Lease Number

SF-080375E

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Sheets C #2

9. API Well No.
30-045-05460

10. Field and Pool
Ballard Pictured Cliffs

11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☒ Altering Casing

☒ Other - Stimulate

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to set and cement 3 1/2" casing, perforate and fracture stimulate the subject well according to the attached procedure and wellbore diagram.

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

Signed Raymond Stalder (PMP1) Title Regulatory Administrator Date 8/18/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any: _____

RECEIVED
AUG 30 1995
OIL CON. DIV.
DIST. 3

APPROVED

AUG 23 1995
DISTRICT MANAGER

NMCCD

SHEETS C #2 PC
Workover Procedure
M 12 25 8
San Juan County, N.M.
Lat-Long: 36.462402 - 107.725952

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. 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 2820'. Load hole w/1% KCL water. TOH.
3. MI Blue Jet. Run an advanced integrated data processing GSL neutron log 2820'-2550'.
4. Run 3-1/2"-OD 9.2# J-55 NUE tbg to TD 2820' w/Omega type latching collar above 2' tbg sub w/notched collar on bottom. Cement w/250sx 50-50 CI"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 H ~~FWB~~
6. Break down PC perms down 3-1/2" csg w/2000 gal 15% ~~CL~~ & 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 following schedule:

<u>Stage</u>	<u>Foam Vol.</u> <u>(Gals.)</u>	<u>Gel Vol.</u> <u>(Gals.)</u>	<u>Sand Vol.</u> <u>(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	(986)	(296)	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) |

SHEETS C #2 PC - CEMENT 3-1/2" CSG, PERF PC, & FRAC

- * 5.0 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 2818'. Monitor gas & water returns & take pitot gauges when possible.
11. When wellbore is sufficiently clean, TOH & run after frac gamma-ray log from 2818'-2550'.
12. TIH w/1-1/4" IJ tbg w/standard seating nipple one joint off bottom & again cleanout to 2818'. Use expendable check if necessary. When wellbore is sufficiently clean, land tbg @ 2750' KB. Take final water & gas samples & rates.
13. ND BOP & NU wellhead & tree. Rig down & release rig.

Archie Walker Jr.

Approve: PJB
Drilling Superintendent

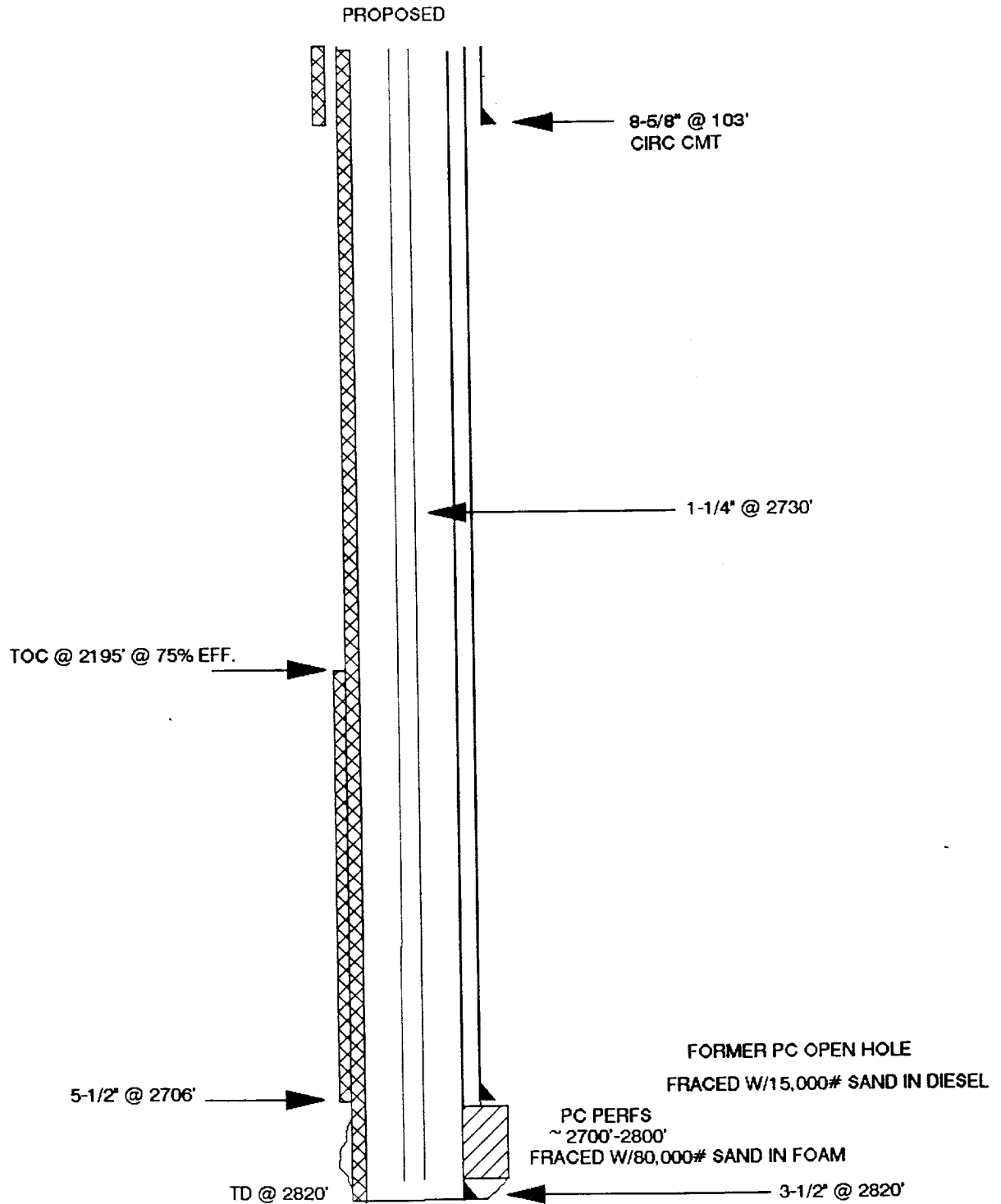
VENDORS:

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

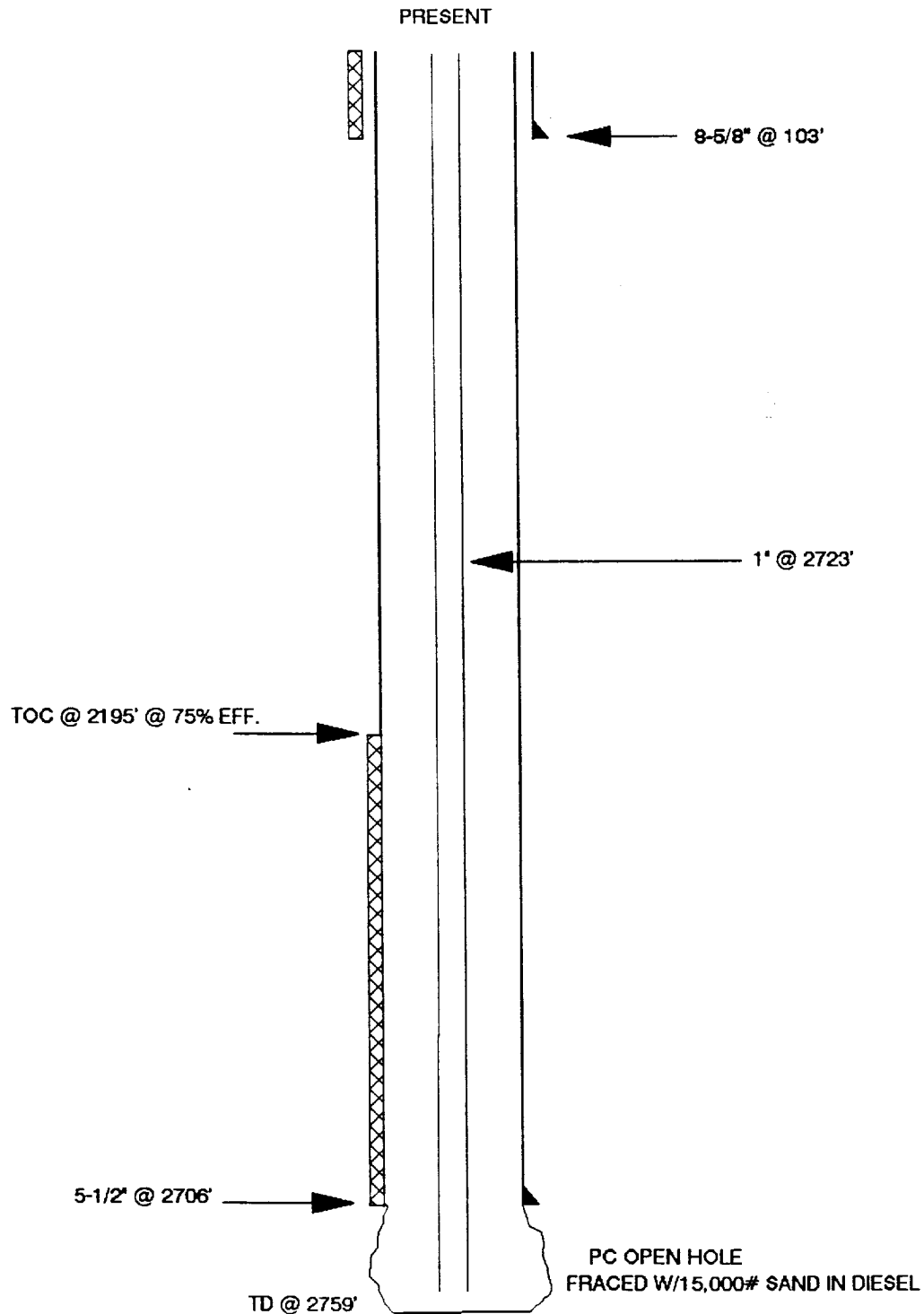
SHEETS C #2 PC

UNIT M SECTION 12 T25N R8W
SAN JUAN COUNTY, NEW MEXICO



SHEETS C #2 PC

UNIT M SECTION 12 T25N R8W
SAN JUAN COUNTY, NEW MEXICO



Pertinent Data Sheet - SHEETS C #2 PC

Location: 791' FSL & 802' FWL, Unit M, Section 12, T25N, R08W, San Juan County, New Mexico

Field: Ballard PC

Elevation: 7044' GL

TD: 2759'

PBSD: 2759'

Completed: 7/7/55

Spud Date: 6/20/55

DP #: 50927A

Lease: Fed: SF 080375

GWI: 100%

NRI: 87.50%

Prop#: 012658700

Initial Potential: Initial Potential = 10,871 MCF/D, SICP=636 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"	24# J-55	103'	80 sx.	Circ Cmt
7-7/8"	5-1/2"	14 # J-55	2706'	100 sx.	2195' @ 75% Eff.

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	
1"	N/A	2723'	109 Jts

Formation Tops:

Ojo Alamo:	2114'
Kirtland Shale:	2159'
Fruitland:	2577'
Pictured Cliffs:	2700'

Logging Record: NONE

Stimulation: Fraced open hole w/15,000# sand in diesel.

Workover History: NONE

Production history: PC 1st delivered 12-31-55. Current PC capacity is 30 MCF/D. PC cum is 2387 MMCF..

Pipeline: EPNG

FOSTER-RIDDLE #1

PC

C 13 25 8

OFFSET TO:

SHEETS C #2 PC



BENSON MONTIN & GREER
FOSTER RIDDLE #1
RIO ARRIBA, NEW MEXICO
SEC. 13-25N-8W

5/13

0	NORMAL	100	0	LONG NORMAL	100
0		1000	0		1000
0	LATERAL	100			
0		1000			

K04