

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

NOG-0652-1132

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, 1850' FWL Sec. 24, T-27-N, R-9-W, NMPM
9W

5. Lease Number
~~I-149-IND-8467A~~
6. If Indian, All. or
Tribe Name
Navajo
7. Unit Agreement Name

Huerfanito Unit
8. Well Name & Number
Huerfanito Unit 77
9. API Well No.
30-045-06358
10. Field and Pool
Otero Chacra EXT
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 checked="" 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 Injectio
	<input type="checkbox"/> Other -	

13. Describe Proposed or Completed Operations

It is intended to plugback the Mesa Verde and recomplete in the Chacra formation per the attached procedure.

RECEIVED
JUL 15 1994
CON. DIV.
DIST. 3

RECEIVED
JUL 15 1994
CON. DIV.
DIST. 3

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

Signed [Signature] (MP1) Title Regulatory Affairs Date 6/24/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED
Date _____

JUL 15 1994

DISTRICT MANAGER

NMOOD

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10.
Revised February 21, 199
Instructions on bac
Submit to Appropriate District Office
State Lease - 4 Copie
Fee Lease - 3 Copie

070 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-06358	Pool Code 82329	Pool Name Otero Chacra
Property Code	Property Name Huerfano Unit	Well Number 77
OGRID No. 14538	Operator Name MERIDIAN OIL INC.	Elevation 6092'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	24	27 N	9 W		1850	South	1850	West	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 1.60	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	Not re-surveyed prepared from a plat dated 9-14-62 by Ernest V. Echohawk.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Peggy Bradfield Printed Name Regulatory Affairs Title 6-30-94 Date
		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. 6-28-94 Date of Survey Signature and Seal of Registered Surveyor 6857 Certificate Number

Huerfanito Unit #77
CHACRA RECOMPLETION
K 24 27 9
San Juan County, N.M.

1. MOL and RU completion rig. NU 6" 900 series BOP with flow tee and stripping head. NU blooie line and 2-7/8" relief line. *TOH w/ 24*
 2. TIH w/4-1/2" cmt ret on rental 2-3/8" tbg & set @ 4301' (50' above top MV perf). Establish rate & sq MV perfs w/ 48 sx Cl "B" cmt. This will fill MV perfs & 4-1/2" csg to 4301' w/100% excess cmt.
 3. Sting out of cmt ret & spot 4 sx cmt on top ret. PU & reverse out. Spot hole w/ 20 bbl mud: 15# sodium bentonite w/non-fermenting polymer, 8.4# gal weight, & 40 qs vis or greater.
 4. Run CBL from 3200' to top cmt. Run pulsed neutron log from 3200'-2800'. Coorelate logs to open hole induction log. Set top drillable BP @ 3100' & top w/1 sx cmt.
 5. TIH w/ 2-3/8" tbg to 3050'. Roll hole w/1% KCL water & pressure test csg to 1000 psi. TOH.
 6. Using pulsed neutron log, perf Chacra w/2 spf @ 3032'-40'. Total 16 holes. Perforate using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees. Avg. perf dia.= 0.48". Average penetration is 18" in Berea.
 7. Spot and fill 2 - 400 bbl. frac tanks with 2% KCL water. Filter all water to 25 microns. One tank is for gel & one tank for breakdown water. Usable gel water required for frac is 291 bbls.
 8. TIH w/4-1/2" pkr & 2-7/8" NUE N-80 rental tbg w/shaved collars & set @ 2700'. W/ 500 psi on backside, breakdown & attempt to ball off Chacra perfs w/1500 gal. 15% HCL acid & 60-7/8" 1.3 sp gr RCN perf balls. (1 gal/1000 corrosion inhibitor). Lower pkr to 3050' to knock off perf balls. Reset pkr @ 3000'.
 9. Frac Chacra down frac string w/ 40,000 gals. of 70 quality foam using 30# gel as the base fluid & 60,000# 20/40 Arizona sand. Pump at 20 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged with 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 6000 psi and estimated treating pressure is 2800 psi. Treat per the following schedule:
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HUERFANITO UNIT #77 - CHACRA RECOMPLETION
Page 2

<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	10,000	3,000	----
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
Flush	(730)	(219)	
Totals	40,000	12,000	60,000#

Shut well in after frac for six hours to allow the gel to break.
Treat frac fluid with the following additives per 1000 gallons:

- * 30# LGC8 (Gel)
- * 3.0 gal. AQF2 (Non-ionic Surfactant)
- * 1.0# GVW3 (Enzyme Breaker)
- * 1.0# B-5 (Breaker)

10. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. Take pitot gauges when possible.
11. TIH w/notched collar on 2-3/8" tbg & C.O. to 3080'. Monitor gas and water returns and take pitot gauges when possible.
12. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 3080'-2500'.
13. TIH with 2-3/8" tbg with standard seating nipple one joint off bottom and again cleanout to 3080'. When wellbore is sufficiently clean, land tbg at 3000'KB. Take final water and gas samples & rates.
14. Replace any bad connections and valves on wellhead. ND BOP and NU wellhead & tree. Rig down & release rig.

Approve: _____
J. A. Howieson

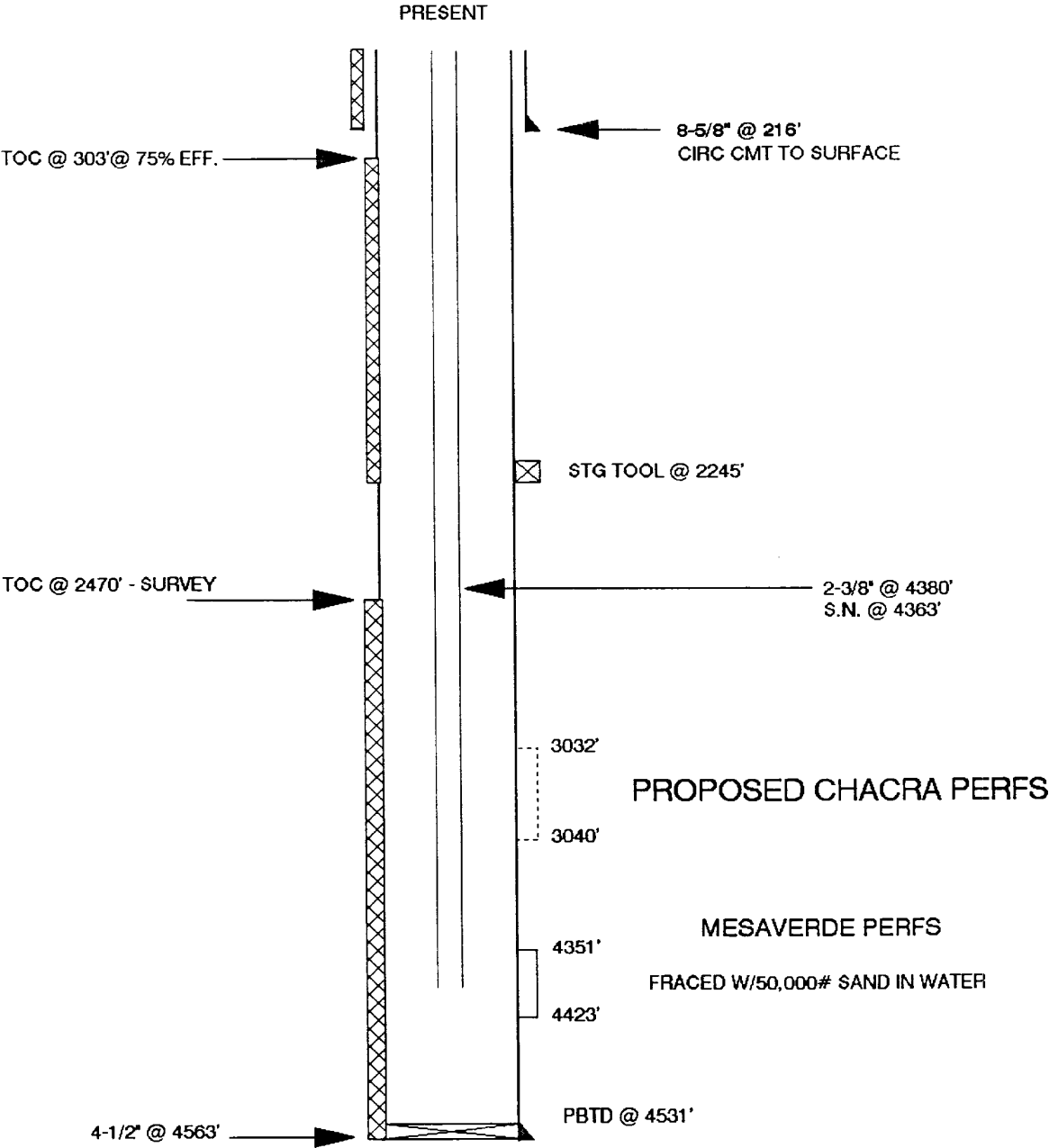
VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Western	327-6222
RA Tagging:	Pro-Technics	326-7133

PMP

HUERFANITO UNIT #77 MV

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



Pertinent Data Sheet - HUERFANITO UNIT #77 MV

Location: 1850' FSL 1850' FWL SEC. 24 T27N R09W, SAN JUAN COUNTY, N.M.

Field: Blanco Mesaverde

Elevation: 6092' TD: 4553'
10' KB PBTD: 4531'

Prop#: 0023403

Lease: I-149-Ind 8467-A

DP#: 30020

GWI: 25.00% (100% SRC Trust)

Completed: 9-28-62

NRI: 21.875%

Initial Potential:

AOF =1870 MCF/D, Q=1746 MCF/D

Casing Record:

Hole Size	Csg. Size	Wt. & Grade	Depth Set	Cement	Top/Cmt
e12-1/4"	8-5/8"	24# J-55	216'	200 sx	Circ. Cmt
e7-7/8"	4-1/2"	10.5# J-55	4563'	290 sx	2740' - Survey
		DV Tool @	2245'	500 sx	303'@ 75% Eff.

Tubing Record: 2-3/8" 4.7# J-55 4380' 137 Jts
S.N. @ 4363'

Formation Tops:

Ojo Alamo	1215'
Kirtland	1322'
Fruitland	1820'
Pictured Cliffs	2060'
Chacra	2960'
Mesaverde	3642'

Logging Record: Induction, Acoustilog

Stimulation: Perf MV w/4 spf @ 4351'-59', 4371'-79', 4393'-98', 4413'-23'. Total 126 holes. Fraced MV w/50,000# sand in water

Workover History: 11-3-65: Pulled tbg to repair wellhead.

Production History: MV 1st delivered on 4-1-64. Cumulative=379 psi. Current Capacity= 7 MCF/D. Tbg=??? psi. Csg=??? psi. Bradenhead=? psi. Line=??? psi.

Pipeline: EPNG

PMP