

State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division

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  
835' FNL, 1530' FEL, Sec.36, T-27-N, R-8-W, NMPM, San Juan County

API # (assigned by OCD)  
30-045-29204

5. Lease Number

6. State Oil&Gas Lease #  
E-4487-4

7. Lease Name/Unit Name  
Brookhaven Com

8. Well No.  
7

9. Pool Name or Wildcat  
Otero Chacra **EXT**  
Blanco Mesaverde

10. Elevation: 5993 GR

Type of Submission

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

Type of Action

☐ Abandonment  
☒ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other -  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut off  
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to open the Chacra formation and commingle with the existing Mesaverde zone according to the attached procedure and wellbore diagram. Down-hole commingling will be applied for.

**RECEIVED**  
OCT 13 1995  
**OIL CON. DIV.**  
DIST. 3

SIGNATURE *Ray Bradfield* (PMP1) Regulatory Administrator October 11, 1995

(This space for State Use)

Approved by *Ernie Burch* Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date OCT 13 1995

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-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 APT Number 30-045-29204		2 Pool Code 82329/72319		3 Pool Name Otero Chacra Blanco Mesaverde	
4 Property Code 6849		5 Property Name Brookhaven Com			6 Well Number 7
7 OGRID No. 14538		8 Operator Name Meridian Oil Inc.			9 Elevation 5994'

10 Surface Location

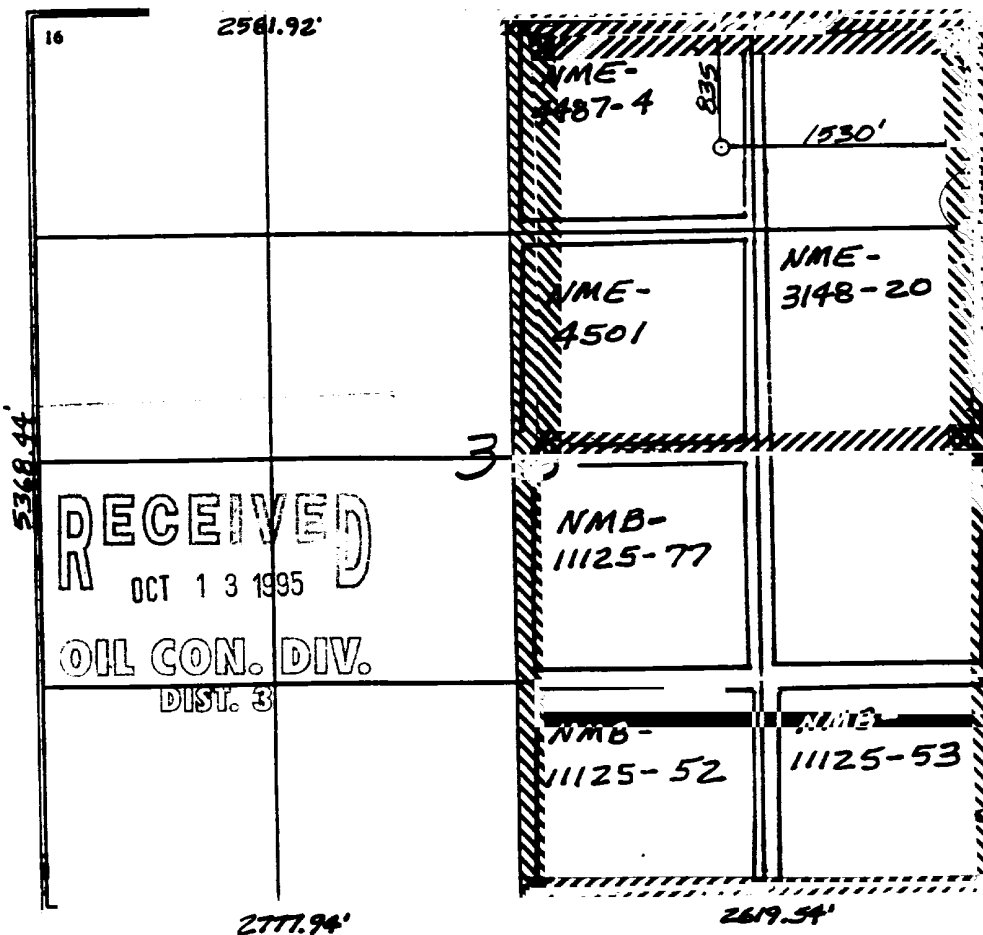
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
B	36	27 N	8 W		835	North	1530	East	S.J.

11 Bottom Hole Location If Different From Surface

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

12 Dedicated Acres 160-E/320	13 Joint or Infill	14 Consolidation Code	15 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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Peggy Bradfield*  
Signature  
Peggy Bradfield  
Printed Name  
Regulatory Administrator  
Title  
10-10-95  
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 same is true and correct to the best of my knowledge.

8-29-  
Date of  
Signature  
6857  
Certificate Number

BROOKHAVEN COM #7 MV/CH  
Workover Procedure  
B 36 27 8  
San Juan County, N.M.  
Lat-Long: 36.534546 - 107.630402

1. Comply to all NMOCB, 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/2-3/8" tbg. MI wireline. Run 4-1/2" gauge ring to 3300', then set 4-1/2" ret BP @ 3300' & top w/1 sx sand. Load hole w/1% KCL water & using 4-1/2" pkr on 2 jts 2-7/8" N-80 tbg to protect wellhead, pressure test 4-1/2" csg to 3800 psi.
3. MI Blue Jet. Run an advanced integrated data processing GSL neutron log 3300'-3000' & 2300'-1800' & coorelate to open hole logs.
4. Using neutron log, perf Chacra 3110'-3122'. (Depending on log there could be more perfs). Perf using 3-1/8" HSC guns loaded w/Owen 13 gr. charges @ 2 spf and 180 degree phasing. Avg perf dia. = 0.48" and penetration is 18" in Berea.
5. TIH w/ 4-1/2" pkr & tbg tester on 2-3/8" tbg & set @ 2900'. Test tbg to 5000 psi. Breakdown & attempt to ball off perfs w/2000 gal 15% HCL acid and 200% excess 7/8" 1.3 sp gr RCN perf balls. Lower pkr to 3260' to knock off perf balls & TOH.
6. 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 364 bbls.
7. W/ 4-1/2" pkr set on 2 jts 2-7/8" N-80 tbg to protect wellhead, frac Chacra down 4-1/2" csg w/49,000 gals. of 70 quality foam using 30# gel as the base fluid & 80,000# 20/40 Arizona sand. Pump at 40 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 3500 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	<u>(2,083)</u>	<u>(625)</u>	<u>0</u>
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)                     |
| * 5.0 gal Fracfoam I | (Foamer mix on fly)                      |
| * 0.38# FracCide 20  | (Bacteriacide mix on full tank)          |

8. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr, or less if sand is observed. **Take pitot gauges when possible.** TOH w/pkr & tbg.
9. Change out frac valve w/tbg head. TIH w/retrieving head on 2-3/8" tbg & C.O. to 3300'. Monitor gas & water returns & **take pitot gauges when possible.** A pitot gauge must be taken of the Chacra alone for NMOCD commingling rules.
10. When wellbore is sufficiently clean, retrieve BP @ 3300' & TOH. **Note: Anticipate 800 psi under BP.**
11. TIH w/3-7/8" bit on 2-3/8" tbg & C.O. MV perms w/ air/mist to PBTD 4761'. **A pitot gauge must also be taken of the Chacra and Mesaverde together for NMOCD commingling rules.** When wellbore is sufficiently clean, TOH & run after frac gamma-ray log from 3300'-2800'
12. TIH w/2-3/8" 4.7# J-55 tbg w/standard S.N. one joint off bottom & again cleanout to 4761'. Use expendable check if necessary. When wellbore is sufficiently clean, land tbg @ 4600' KB. **Take final water & gas samples & rates.**
13. ND BOP & NU wellhead & tree. Rig down & release rig. Well recompleted as a commingled Largo Chara - Blanco Mesaverde.

Approve: \_\_\_\_\_  
Drilling Superintendent

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	BJ	327-6222
RA Tagging:	Pro-Technics	326-7133
Pkr & BP	Schlum.	325-5006

PMP

**Pertinent Data Sheet - BROOHAVEN COM #7 MV**

**Location:** 835' FNL & 1530' FEL, Unit B, Section 36, T27N, R08W, San Juan County, New Mexico

**Field:** Blanco Mesaverde      **Elevation:** 5993' GL  
13' KB      **TD:** 4800'  
**PBTD:** 4761'

**Completed:** 4-3-95      **Spud Date:** 3-2-95

**DP #:** MV: 34193A  
**Lease:** State: E-4487-4  
**GWI:** MV: 86.06%  
**NRI:** MV: 63.68%  
**Prop#:** 071603200

**Initial Potential:** Q=2463 MCF/D. AOF=4115 MCF/D. SICP=900 psi

**Casing Record:**

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	8-5/8"	14# K-55	224'	365 cf	Circ 3 BBL Cmt
7-7/8"	4-1/2"	10.5# K-55	4800'	777 cf.	Circ 16 BBL Cmt
			DV Tool @ 2919'	1147 cf	Circ 15 BBL Cmt

**Tubing Record:**

<u>Tbg. Size</u>	<u>Wt. &amp; Grade</u>	<u>Depth Set</u>
2-3/8"	4.7# J-55	4515'
		S.N. @ 4481'

**Formation Tops:**

Ojo Alamo:	1325'	Chacra	3035'
Kirtland Shale:	1446'	Mesaverde	3580'
Fruitland:	1854'	Menefee	3810'
Pictured Cliffs:	2126'	Point Lookout	4442'

**Logging Record:** Induction, Neutron Density, Microlog, CMR, CBL

**Stimulation:** Perf MV w/ 1-0.28 spf @ 4677', 65', 51', 38', 35', 26', 17', 02', 4600', 4595', 74', 69', 60', 51', 44', 14', 12', 02', 4495', 91', 86', 73', 68', 61', 56', 51', 48', 46', 44', 4174', 68', 62', 56'. Total 33 holes.  
Fraced MV w/106,000# sand in slick water.

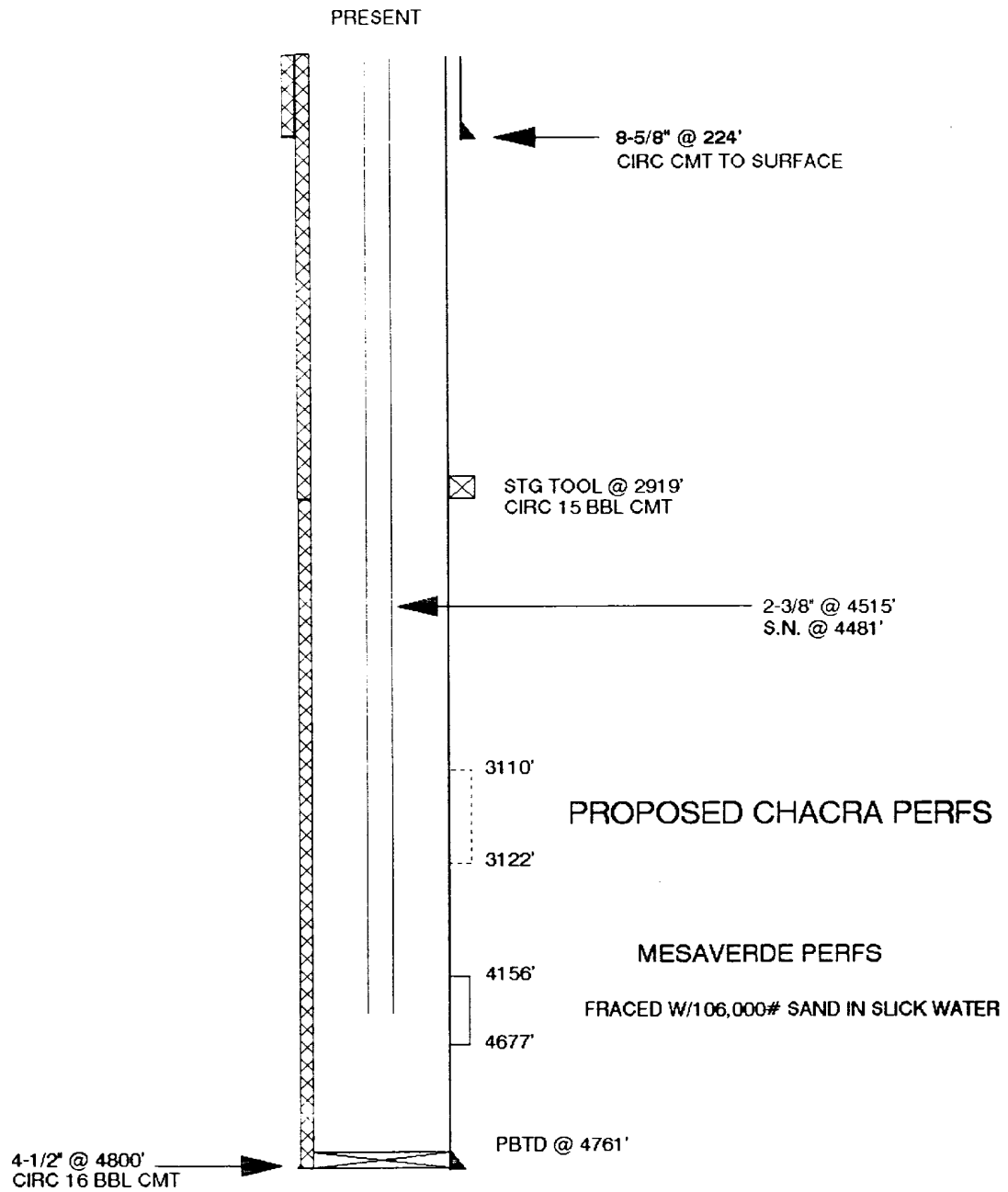
**Workover History:** NONE

**Production history:** MV 1st delivered 7/27/95. Current MV capacity is 720 MCF/D.

**Pipeline:** EPNG

# BROOKHAVEN COM #7 MV

UNIT B SECTION 36 T27N R8W  
SAN JUAN COUNTY, NEW MEXICO



BROOKHAVEN CON-7

B 3 27 8

3100

3200

BROOK HAVEN

36

7-1-80

3100

3200

