

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  
790' FSL, 790' FEL, Sec.32, T-27-N, R-9-W, NMPM, San Juan County

API # (assigned by OCD)  
30-045-06098

5. Lease Number

6. State Oil&Gas Lease #  
E-3148-20

7. Lease Name/Unit Name  
Mobil New Mexico B Com

8. Well No.  
1

9. Pool Name or Wildcat  
Basin Dakota

10. Elevation:

Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input checked="" type="checkbox"/> Plugging Back
	<input checked="" type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other -
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to repair the casing in the subject well according to the attached procedure and wellbore diagram.

**RECEIVED**  
APR 18 1996  
**OIL CON. DIV.**  
DIST. 3

SIGNATURE *[Signature]* (ROS1) Regulatory Administrator April 17, 1996

(This space for State Use)

Approved by *Johnny Robinson* Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date APR 18 1996

**Mobil New Mexico B Com #1  
Basin Dakota  
SE Section 32, T-27-N, R-09-W  
Casing Repair Procedure**

1. Comply with all NMOCED, BLM and Meridian safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig.
2. MOL and RU. Blow well down. ND wellhead and NU 7-1/16" 3000 psi (6" 900 series) BOP with flow tee. Test and record operation of BOP rams. Kill well with 1% KCL water only if necessary. Have wellhead serviced at A-1 Machine if needed.
3. Release locator seal assembly from Baker Model "D" packer at 5340' (To release pull up above string weight). TOH with 2-3/8" tubing set at 6764' (surface - 19', 4 2-3/8" pup jts; 19' - packer @ 5340', 169 jts 2-3/8", 4.7#, EUE, J-55 tubing; tailpipe 5340' - 6764', 45 jts 2-3/8", 10 rd, non upset, collars turned to 2.625" OD tubing with 5' Baker production tube on bottom attached to SN (1.78" ID) @ 6759'). Visually inspect tbq for corrosion and replace any bad joints as necessary.
4. TIH with 2-3/8" tbq and Baker Model "CJ" packer milling tool and recover the 4-1/2" Baker Model "D" packer. TOOH.
5. TIH with 4-1/2" casing scraper, 3-7/8" bit and bit sub, and round trip to 6633' (50' above top perf).
6. TIH with 4-1/2" RBP and 4-1/2" packer on 2-3/8" tubing and set RBP at 6633' (50' above Dakota perms). Pressure test RBP and 4-1/2" casing to 750 psig. Isolate leak and contact Operations Engineer (R.O.Stanfield 326-9715, pager 324-2674) for cement squeeze procedure. (Note that a hole in the tubing was found at 3993' in Oct. 95). Spot sand on top of RBP before pumping cement. **Notify MOI Regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document approval in DIMS/WIMS. As much time as possible to the pump time is needed for the Agency to be able to show up for the cement job.**
7. WOC 12 hrs. Clean out to below squeeze with 3-7/8" mill or bit. Pressure test to 750 psig. Re-squeeze as necessary.
8. TIH with 4-1/2" casing scraper to below squeeze. TOOH. TIH with retrieving tool on 2-3/8" tubing blowing down with gas or air. Retrieve RBP and TOOH.
9. TIH with 2-3/8" tubing with notched expendable check valve on bottom and a seating nipple one jt off bottom and clean out to PBTD at 6921'. Rabbit all tubing. Take and record gauges. Land tubing near bottom perforation at 6803'. ND BOP and NU wellhead. Pump off expendable check valve and record final gauges. Return well to production.

Recommended: \_\_\_\_\_

*R.O. Stanfield*  
Operations Engineer

Approved: \_\_\_\_\_

Drilling Superintendent

## PERTINENT DATA SHEET

4/16/96

<b>WELLNAME:</b> Mobil New Mexico B Com #1					<b>DP NUMBER:</b> 51541A <b>PROP. NUMBER:</b> 072010000																																										
<b>WELL TYPE:</b> Basin Dakota					<b>ELEVATION:</b> GL: 6523' KB: 6535'																																										
<b>LOCATION:</b> 790' FSL 790' FEL SE Sec. 32 T-27-N R-9-W San Juan County, New Mexico					<b>INITIAL POTENTIAL:</b> 6706 Mcf/d AOF  <b>INITIAL SICP:</b> 2010 psia 11/4/63 <b>LAST AVAILABLE SITP:</b> 389 psig 4/23/90																																										
<b>OWNERSHIP:</b> GWI: 100.000000% NRI: 85.781240%					<b>DRILLING:</b> SPUD DATE: 5/9/74 COMPLETED: 3/21/75 TOTAL DEPTH: 6950' PBDT 6921'																																										
<table border="1"> <thead> <tr> <th colspan="5">CASING RECORD:</th> <th>EQUIP.</th> <th>CEMENT</th> <th>TOC</th> </tr> <tr> <th>HOLE SIZE</th> <th>SIZE</th> <th>WEIGHT</th> <th>GRADE</th> <th>DEPTH</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>12-1/4"</td> <td>8-5/8"</td> <td>24#</td> <td>J-55</td> <td>362'</td> <td></td> <td>155 sx</td> <td>Circ. to surf.</td> </tr> <tr> <td>7-7/8"</td> <td>4-1/2"</td> <td>10 5#</td> <td>J-55</td> <td>6950'</td> <td>DV tool @ 2464'</td> <td>803 cf 404 cf</td> <td>2651' (75%) 1200' (TS)</td> </tr> <tr> <td>Tubing</td> <td>2-3/8"</td> <td>4.7#</td> <td>J-55</td> <td>6764'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Baker Model D production packer @ 5340'. Tailpipe 5340' - 6764', 45 jts 2-3/8", 4.7# , turned collars (2.625" OD) with 5' perforated tube (1.78" ID) on bottom and SN @ 6764'. 19' - 5340' 169 jts, 2-3/8" 4.7# EUE tubing from. Surface to 19', 4 pup jts 2-3/8" tubing.</p>								CASING RECORD:					EQUIP.	CEMENT	TOC	HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH				12-1/4"	8-5/8"	24#	J-55	362'		155 sx	Circ. to surf.	7-7/8"	4-1/2"	10 5#	J-55	6950'	DV tool @ 2464'	803 cf 404 cf	2651' (75%) 1200' (TS)	Tubing	2-3/8"	4.7#	J-55	6764'			
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<b>FORMATION TOPS:</b> Ojo Alamo 1232' Kirtland 1501' Fruitland 2015' Pictured Cliffs 2293' Chacra 3147' Mesaverde 3813' Gallup 5705' Dakota 6775'																																															
<b>LOGGING:</b> IEL, CDL-GR, CBL, Temp Survey																																															
<b>PERFORATIONS</b> 6776' - 6803' w/2 spf: 6715' - 6719' w/4 spf: 6683' - -6696' w/4 spf, Total holes 177																																															
<b>STIMULATION:</b> 1st stage (6776' - 6803') Frac w/45,000# 20/40 sand, 66,000 gal. water, and 250# FR-4 2nd stage (6683' - 6719') Frac w/ 40,000# 20/40 sand, 40,600 gal. water, and 140# FR-4																																															
<b>WORKOVER HISTORY:</b> May 1983: RIH and set Baker Model D packer at 5340'. POH and swab well. Oct 1995: Repaired hole in tubing. CO to PBDT.																																															
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<b>PIPELINE:</b> EPNG																																															

# Mobil New Mexico B Com #1

**CURRENT**

**Basin Dakota**

**Section 32, T-27-N, R-09-W, San Juan County, NM**

Spud: 9/25/63

Completed : 11/2/63

12-1/4" hole

Ojo Alamo @ 1232'

Kirtland @ 1501'

Fruitland @ 2015'

Pictured Cliffs @ 2293'

Chacra @ 3147'

Mesa Verde @ 3813'

Gallup @ 5705'

Dakota @ 6775'

7-7/8" hole

PBTD 6921'

TD 6950'

8-5/8" 24# J-55 csg set @ 362'  
Circulated Cmt to Surface (350 sx)

Top of Cmt @ 860' (TS)

**Workover history:** May 1983, Set packer @ 5340'  
Oct 1995 - Found hole in tbg @ 3993'  
Redress seal assembly.

Stg tool @ 2409'  
Cmt 2nd stage w/200 sx (8% gel)

**Tubing:** 0'-19', 4 jts 2-3/8"  
19'-5340', 169 jts, 2-3/8", 4.7#, EUE, J-55 tbg  
5340'-6764', 45 jts 2-3/8", 10 rd, non upset,  
turned collars (2.625" OD) with SN @ 6759'  
and 5' Baker prod. tube (1.78" ID) on bottom.  
Tbg landed @ 6764'

Top of Cmt @ 4330' (CBL)

Baker Model "D" prod. packer @ 5340'  
ID=2.688"

Tight spots in 4-1/2" @ 4675' & 5400'

Perforations 6683' - 6803'  
Total of 176 holes

4-1/2" 10.5# J-55 set @ 6950'  
Cmt 1st stage w/425 sx (8% gel)