

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

- |   |   |
|---|---|
| <p>1. <b>Type of Well</b><br/>GAS</p> <hr/> <p>2. <b>Name of Operator</b><br/><b>MERIDIAN OIL</b></p> <hr/> <p>3. <b>Address &amp; Phone No. of Operator</b><br/>PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. <b>Location of Well, Footage, Sec., T, R, M</b><br/>1580'FSL, 1130'FEL, Sec.16, T-28-N, R-4-W, NMPM</p> | <p>5. <b>Lease Number</b><br/>SF-079727</p> <p>6. <b>If Indian, All. or Tribe Name</b></p> <p>7. <b>Unit Agreement Name</b></p> <p>8. <b>Well Name &amp; Number</b><br/>Valdez #3</p> <p>9. <b>API Well No.</b><br/>30-039-22080</p> <p>10. <b>Field and Pool</b><br/>Choza Mesa Pict.Cliffs</p> <p>11. <b>County and State</b><br/>Rio Arriba Co, NM</p> |
|---|---|

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 checked="" type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans         |
| <input type="checkbox"/> Subsequent Report           | <input 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 Injection |
|  | <input type="checkbox"/> Other -                |  |

13. **Describe Proposed or Completed Operations**

It is intended to plug and abandon this well according to the attached procedure and wellbore diagram.

**RECEIVED**  
JAN 0 9 1995  
**OIL CON. DIV.**  
**DIST. 3**

OIL CON. DIV.  
JAN 10 1995

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

Signed *[Signature]* (ROS8) Title Regulatory Affairs Date 12/27/94

(This space for Federal or State Office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

CONDITION OF APPROVAL, if any:

**APPROVED**

JAN 05 1995

*Chip Harraden*  
for DISTRICT MANAGER

NMOC

<b>WELLNAME:</b> Valdez #3					<b>DP NUMBER:</b> 45568A <b>PROP. NUMBER:</b> 012612200		
<b>WELL TYPE:</b> Choza Mesa Pictured Cliffs					<b>ELEVATION:</b> GL: 7389' KB: 7405'		
<b>LOCATION:</b> 1580' FSL 1130' FEL SE Sec. 16, T28N, R4W Rio Arriba County, New Mexico					<b>INITIAL POTENTIAL:</b> AOF 2,450  <b>SICP:</b> July, 1984 477 PSIG		
<b>OWNERSHIP:</b> GWI: 90.000000% NRI: 74.375000%					<b>DRILLING:</b> <b>SPUD DATE:</b> 07-18-79 <b>COMPLETED:</b> 12-17-79 <b>TOTAL DEPTH:</b> 4475' <b>PBTD:</b> 4428' <b>COTD:</b> 4428'		
<b>CASING RECORD:</b>							
<u>HOLE SIZE</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>DEPTH</u>	<u>EQUIP.</u>	<u>CEMENT</u>	<u>TOC</u>
12-1/4"	8-5/8"	36.0#	K-55	194'	-	160 cf (136 sx)	surface
6-3/4"	2-7/8"	6.4#	J-55	4439'	-	260 cf (175 sx)	3600' (TS)
Tubingless							
<b>FORMATION TOPS:</b>							
Nacimiento			2526'				
Ojo Alamo			3693'				
Kirtland			3863'				
Fruitland			4032'				
Pictured Cliffs			4228'				
<b>LOGGING:</b> FDC-GR, I-SFL, CBL, PDC, Temp. Survey							
<b>PERFORATIONS</b> 4243', 4252', 4262', 4272', 4333', 4341', 4345', 4355', 4361', 4368', 4378', 4388', 4398', 4408', 4417', w/1 SPZ, Total 15 holes							
<b>STIMULATION:</b> Frac w/124,000# 10/20 sand and 127,720 gal. water. Flushed w/1090 gal. water.							
<b>WORKOVER HISTORY:</b> None							
<b>PRODUCTION HISTORY:</b>							
<b>Cumulative as of Aug. 94:</b>		<u>Gas</u> 298.7 MMcf	<u>Oil</u> 0 Bbl	<b>DATE OF LAST PRODUCTION:</b> May, 1989		<u>Gas</u> 38.5 Mcf/D	<u>Oil</u> 0 bbl/D
<b>Current Rate:</b>		0 Mcfd	0 Bopd				
<b>PIPELINE:</b> EPNG							

## PLUG & ABANDONMENT PROCEDURE

12-20-94

Valdez #3  
Choza Mesa Pictured Cliffs  
SE Section 16, T-28-N, R-4-W  
Rio Arriba Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and/or test rig anchors. Prepare blow pit. Comply to all NMOCDC, BLM and Meridian safety rules and regulations.
2. MOL and RU. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. Open bradenhead valve. Establish a rate down 2-7/8" casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow. If no flow or blow, then pump 4 7/8" RCN balls (total of 15 perforations.) in additional water and monitor pressure, rate, and volumes pumped, to confirm perforations taking water and there is not a casing leak. If the bradenhead flows water or there are other indications of a casing leak, then do not cut the 2-7/8" casing and use 1-1/4" tubing to plug well.
4. **Plug #1 (Pictured Cliffs perfs, Fruitland, Kirtland Ojo Alamo tops, 4417' - 2700'):** Establish rate into Pictured Cliffs perforations with water. Mix and pump 60 sx Class B cement (25% excess) and bullhead down 2-7/8" casing from surface; displace inside casing with water to 2700' to cover Pictured Cliffs perfs, Fruitland and Kirtland tops. Shut in Pictured Cliffs casing valve and WOC. RU A-Plus wireline truck. RIH with wireline gauge ring and tag top of cement. POH with wireline.
5. Pressure test 2-7/8" casing to 500#. ND 2-7/8" casing head and determine free point by stretch calculation. Jet cut off 2-7/8" casing at approximately 2576'. Establish circulation to surface. Pull 2 or more joints of 2-7/8" casing to insure it is free, then RIH to 2570' with 2-7/8" casing.
6. **Plug #2 (2-7/8" Casing stub, and Nacimiento formation top, 2626' to 2476'):** With cut off end of the 2-7/8" casing at 2570', mix 86 sx of Class B cement and spot a balanced plug in the 7-7/8" open hole from 2626' - 2476', covering the 2-7/8 casing stub, and Nacimiento top. Pull above cement to 1800' and WOC. RIH and tag cement, must be above 2476'. POH to 244'.
7. **Plug #3 (Surface):** With tubing at 244', mix approximately 70 sx Class B cement and spot a balanced plug from 244' to surface. POH and LD tubing. Shut in well and WOC.
8. ND BOP and cut off casing below surface flange. Install P&A marker with cement to comply with regulations. RD, Move off location, cut off anchors and restore location.

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

Operations Engineer

Approval: \_\_\_\_\_

Production Superintendent

# Valdez #3

Current

Choza Mesa Pictured Cliffs

SE Section 16, T-28-N, R-4-W, Rio Arriba County, NM

Today's Date: 12/20/94

Spud: 7/18/79

Completed: 12/17/79

12-1/4" Hole

8-5/8", 36.0#, K-55, 8rd, Csg set @ 194'  
Cmt w/160 cf (136 sx) (Circulated to Surface)

Nacimiento @ 2526'

Top of Cmt @ 3600' (TS)

Ojo Alamo @ 3693'

Kirtland @ 3863'

7-7/8" Hole

Changed drill bits from 7-3/4" to 6-3/4" @ 4023'

Fruitland @ 4032'

Pictured Cliffs @ 4228'

Pictured Cliffs Perforations:  
4243' - 4417', Total 15 holes

PBTD 4428'  
6-3/4" Hole

2-7/8", 6.4#, J-55, 10rd, Csg @ 4439',  
Baffle @ 4428', Cmt w/260 cf (175 sx)

TD 4475'

# Valdez #3

## Proposed P&A

### Choza Mesa Pictured Cliffs

SE Section 16, T-28-N, R-4-W, Rio Arriba County, NM

Today's Date: 12/20/94

Spud: 7/18/79

Completed: 12/17/79

