

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

- |  |  |
|--|--|
| 1. Type of Well<br>GAS   | 5. Lease Number<br>NM-03195                  |
| 2. Name of Operator<br><b>MERIDIAN OIL</b>   | 6. If Indian, All. or<br>Tribe Name          |
| 3. Address & Phone No. of Operator<br>PO Box 4239, Farmington, NM 87499 (505) 326-9700         | 7. Unit Agreement Name                       |
| 4. Location of Well, Footage, Sec., T, R, M<br>825'E8L, 1500'EEL, Sec.11, T-30-N, R-10-W, NMPM | 8. Well Name & Number<br>Sunray H #5         |
|  | 9. API Well No.<br>30-045-21136              |
|  | 10. Field and Pool<br>Blanco Pictured Cliffs |
|  | 11. County and State<br>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 checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input 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 plug and abandon the subject well according to the attached procedure and wellbore diagram.

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

Signed *Deann Shannell* (LD5) Title Regulatory Affairs Date 10/27/94

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any:

Date **APPROVED  
AS AMENDED**

**NOV 01 1994**  
**DISTRICT MANAGER**

## PLUG & ABANDONMENT PROCEDURE

### Sunray H #5

Blanco Pictured Cliffs  
SE, Section 11, T-30-N, R-10-W  
San Juan 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 test location rig anchors. Prepare blow pit. Comply to all NMOC, BLM, and MOI regulations.
2. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
3. **Plug #1 (Pictured Cliffs perms, Fruitland and Kirtland formation tops, 3300' to 2050'):** RU A-Plus wireline truck. RIH with wireline gauge ring to 3300'. POH and LD gauge ring. PU 2-7/8" bridge plug and RIH; set bridge plug at 3300', isolating Pictured Cliffs perforations. POH with wireline. PU and RIH with 1-1/4" IJ open ended tubing work string and tag the top of bridge plug. Load well with water and pressure test casing to 500#. Mix and pump 35 sxs Class B cement from 3300' to 2050' and set a balanced plug and over the Fruitland and Kirtland formation tops. POH with tubing to 2050' and reverse circulate well clean. POH with tubing. RIH with wireline and tag top of cement.
4. **Plug #2 ( Ojo Alamo top, 2035' - 1935'):** Perforate 2 squeeze holes at 2035'. Establish rate into squeeze holes if casing tested. If casing did not test then PU 2-7/8" cement retainer and RIH; set at 2080'. Pressure test tubing to 1000#. Establish rate into squeeze holes. If casing tested then bullhead cement plug down casing. Mix 57 sxs Class B cement and squeeze 52 sxs outside casing over Ojo Alamo top from 2035' to 1935' and leave 5 sxs inside casing. POH and LD setting tool and tubing and/or shut in. WOC. RIH with wireline and tag cement.
5. **Plug #3 (Surface):** Perforate 2 holes at 188'. Establish circulation out bradenhead valve. Mix approximately 60 sxs Class B cement and pump down 2-7/8" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
6. ND BOP and cut off wellhead below surface casing. Install P&A marker with cement to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended: \_\_\_\_\_  
Operations Engineer

Approval: \_\_\_\_\_  
Production Superintendent

# PERTINENT DATA SHEET

10/25/94

<b>WELLNAME:</b> Sunray H #5	<b>DP NUMBER:</b> 44476A																								
<b>WELL TYPE:</b> Blanco Pictured Cliffs	<b>ELEVATION:</b> GL: 6664' KB:																								
<b>LOCATION:</b> 825' FSL, 1500' FEL Sec 11, T30N, R10W San Juan County, New Mexico	<b>INITIAL POTENTIAL:</b> AOF 1,790 Mcf/d  <b>SICP:</b> 1099 Psig																								
<b>OWNERSHIP:</b> GWI: 100.0000% NRI: 82.8330%	<b>DRILLING:</b> SPUD DATE: 01-05-73 COMPLETED: 06-25-73 TOTAL DEPTH: 3431' PBSD: 3421'																								
<b>CASING RECORD:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">HOLE SIZE</th> <th style="text-align: left;">SIZE</th> <th style="text-align: left;">WEIGHT</th> <th style="text-align: left;">GRADE</th> <th style="text-align: left;">DEPTH</th> <th style="text-align: left;">EQUIP.</th> <th style="text-align: left;">CEMENT</th> <th style="text-align: left;">TOC</th> </tr> </thead> <tbody> <tr> <td>12 1/4"</td> <td>8 5/8"</td> <td>24#</td> <td>K55</td> <td>138'</td> <td>-</td> <td>129 cf</td> <td>Surface</td> </tr> <tr> <td>7 7/8" *</td> <td>2 7/8"</td> <td>6.4#</td> <td>J55</td> <td>3431'</td> <td></td> <td>448 cf TS</td> <td>2110'</td> </tr> </tbody> </table> <p>* Reduced to 6 3/4" @ 2097'</p>		HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	12 1/4"	8 5/8"	24#	K55	138'	-	129 cf	Surface	7 7/8" *	2 7/8"	6.4#	J55	3431'		448 cf TS	2110'
HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC																		
12 1/4"	8 5/8"	24#	K55	138'	-	129 cf	Surface																		
7 7/8" *	2 7/8"	6.4#	J55	3431'		448 cf TS	2110'																		
<b>FORMATION TOPS:</b> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%;">Ojo Alamo</td> <td style="width: 20%;">1985'</td> <td style="width: 30%;">Point Lookout</td> </tr> <tr> <td>Kirtland</td> <td>2145'</td> <td>Mancos</td> </tr> <tr> <td>Fruitland</td> <td>2892'</td> <td>Gallup</td> </tr> <tr> <td>Pictured Cliffs</td> <td>3318'</td> <td>Greenhorn</td> </tr> <tr> <td>Lewis</td> <td></td> <td>Dakota</td> </tr> <tr> <td>Cliff House</td> <td></td> <td></td> </tr> <tr> <td>Menefee</td> <td></td> <td></td> </tr> </tbody> </table>		Ojo Alamo	1985'	Point Lookout	Kirtland	2145'	Mancos	Fruitland	2892'	Gallup	Pictured Cliffs	3318'	Greenhorn	Lewis		Dakota	Cliff House			Menefee					
Ojo Alamo	1985'	Point Lookout																							
Kirtland	2145'	Mancos																							
Fruitland	2892'	Gallup																							
Pictured Cliffs	3318'	Greenhorn																							
Lewis		Dakota																							
Cliff House																									
Menefee																									
<b>LOGGING:</b> FDC - GR; IES; Temp. Survey																									
<b>PERFORATIONS</b> 3322'--3342' & 3352'--3372' w/30 spz																									
<b>STIMULATION:</b> 32,000# 10/20 sand & 32,000 gal. treated water																									
<b>WORKOVER HISTORY:</b> NONE																									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>PRODUCTION HISTORY:</b></td> <td style="width: 10%;"><u>Gas</u></td> <td style="width: 10%;"><u>Oil</u></td> <td style="width: 30%;"><b>DATE OF LAST PRODUCTION:</b></td> <td style="width: 10%;"><u>Gas</u></td> <td style="width: 10%;"><u>Oil</u></td> </tr> <tr> <td>Cumulative as of 1594:</td> <td>291.9 MMcf</td> <td>0 Bbl</td> <td>March, 1986</td> <td>65 Mcf/m</td> <td>0 Bbl/m</td> </tr> <tr> <td>Current:</td> <td>0 Mcf</td> <td>0 Bbl</td> <td></td> <td></td> <td></td> </tr> </table>		<b>PRODUCTION HISTORY:</b>	<u>Gas</u>	<u>Oil</u>	<b>DATE OF LAST PRODUCTION:</b>	<u>Gas</u>	<u>Oil</u>	Cumulative as of 1594:	291.9 MMcf	0 Bbl	March, 1986	65 Mcf/m	0 Bbl/m	Current:	0 Mcf	0 Bbl									
<b>PRODUCTION HISTORY:</b>	<u>Gas</u>	<u>Oil</u>	<b>DATE OF LAST PRODUCTION:</b>	<u>Gas</u>	<u>Oil</u>																				
Cumulative as of 1594:	291.9 MMcf	0 Bbl	March, 1986	65 Mcf/m	0 Bbl/m																				
Current:	0 Mcf	0 Bbl																							
<b>PIPELINE:</b> EPNG																									

# Sunray H #5

CURRENT

Blanco Pictured Cliffs

SE, Sec. 11, T-30-N, R-10-W, San Juan County, NM

Today's Date: 10/20/94

Spud: 1/5/73

Completed: 6-25-73

12-1/4" hole

8-5/8" 24.0#, Csg set @ 138'  
Cmt w/129 cu ft  
Circulated to Surface

Ojo Alamo @ 1985'

7-7/8" hole to 2097'

6-3/4" hole to 3431'

Top of Cmt @ 2110' (T.S.)

Kirtland @ 2145'

Fruitland @ 2892'

Pictured Cliffs @ 3329'

Pictured Cliffs Perforations:  
3322' - 3342' and 3352' - 3372'

PBTD 3421'

2-7/8" 6.4#, set @ 3431',  
(448 cf cement)

TD 3431'

# Sunray H #5

Proposed P & A

Blanco Pictured Cliffs

SE, Sec. 11, T-30-N, R-10-W, San Juan County, NM

Today's Date: 10/20/94

Spud: 1/5/73

Completed: 6-25-73

