

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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**
1650'FNL, 990'FEL, Sec.30, T-28-N, R-4-W, NMPM

5. **Lease Number**
NM-03862

6. **If Indian, All. or
Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**
San Juan 28-4 U #16

9. **API Well No.**
30-039-07327

10. **Field and Pool**
Blanco Mesaverde

11. **County and State**
Rio Arriba 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"/> 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 the subject well according to the attached procedure and wellbore diagram.

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

Signed *[Signature]* (ROS8) Title Regulatory Affairs Date 12/16/94

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

JAN 05 1995

Chip Haraden
for DISTRICT MANAGER

PLUG & ABANDONMENT PROCEDURE

12-9-94

San Juan 28-4 Unit #16
Blanco Mesaverde
NE Section 30, T-28-N, R-04-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 test location rig anchors. Prepare blow pit. Comply to all NMOCD, 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 and NU BOP, test.
3. POH and tally 2-3/8" tubing (209 jts @ 6598', SN @ 6556'), visually inspect. If necessary PU 2" work string. PU and round-trip 5-1/2" casing scraper or gauge ring to 6366'.
4. **Plug #1 (Mesaverde perforations and top):** PU 5-1/2" cement retainer and RIH; set at 6366'. Establish rate into Mesaverde perms. Mix and pump 99 sx Class B cement, squeeze 51 sx cement below cement retainer from 6592' to 6366' to cover perforations and leave 46 sx on top of retainer to 6016' to cover Mesaverde top. Pull above cement and load well with water; circulate clean. Pressure test casing to 500#. POH to 4520'.
5. **Plug #2 (7-5/8" Casing Shoe, 5-1/2" Liner Top and Pictured Cliffs top)** Mix 50 sx Class B cement and spot a balanced plug inside casing from 4520' to 4216' over 7-5/8" casing shoe, 5-1/2" liner top and Pictured Cliffs top. POH to 4113'.
6. **Plug #3 (Fruitland top)** Mix 34 sx Class B cement and spot a balanced plug inside casing from 4113' to 4013' over Fruitland top. POH with tubing and LD setting tool.
7. **Plug #4 (Kirtland and Ojo Alamo tops)** Perforate 4 squeeze holes at 3852'. If casing tested, attempt to establish rate into squeeze holes. PU 7-5/8" cement retainer and RIH; set at 3802'. Establish rate into squeeze holes. Mix 150 sx Class B cement, squeeze 81 sx cement outside 7-5/8" casing from 3852' to 3597' and leave 69 sx cement inside casing from 3852' - 3597' over Kirtland and Ojo Alamo tops. POH and with tubing and LD setting tool.
8. **Plug #5 (Nacimiento top):** Perforate 4 squeeze holes at 2450'. If casing tested, attempt to establish rate into squeeze holes. PU 7-5/8" cement retainer and RIH; set at 2400'. Establish rate into squeeze holes. Mix 66 sx Class B cement, squeeze 32 sx cement outside 7-5/8" casing from 2450' to 2350' and leave 34 sx cement inside casing from 2450' to 2350' over Nacimiento top. POH and LD tubing and setting tool.
9. **Plug #6 (Surface):** Perforate 4 squeeze holes at 342'. Establish circulation out bradenhead valve. Mix approximately 150 sx Class B cement and pump down 7-5/8" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
10. ND BOP and cut below surface casing 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

PERTINENT DATA SHEET

WELLNAME: San Juan 28-4 Unit #16				DP NUMBER: 50163A PROP. NUMBER: 007972900			
WELL TYPE: Blanco Mesaverde				ELEVATION: GL: 7319' KB: 7329'			
LOCATION: 1650' FNL 990' FEL NE Sec. 30, T28N, R4W Rio Arriba County, New Mexico				INITIAL POTENTIAL: AOF 5,570 SICP: May, 1978 532 PSIG			
OWNERSHIP: GWI: 59.511650% NRI: 49.179760%				DRILLING: SPUD DATE: 07-10-58 COMPLETED: 08-12-58 TOTAL DEPTH: 6672' PBDT: 6625' COTD: 6625'			
CASING RECORD:							
<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>
15" ?	10-3/4"	32.75#	S.W.	292'	-	200 sx	surface
9-5/8"	7-5/8"	26.4#	J-55	4470'	-	200 sx	4150' (TS)
					Sqz Holes @ 4265'	100 sx	4000' (TS)
6-3/4"	5-1/2"	15.5#	J-55	6669'	Liner Hanger @ 4249'	300 sx	4249' (TS)
Tubing	2-3/8"	4.7#	J-55	6598'			
1 jt 2-3/8" tbg, SN at 6556', 208 jts 2-3/8". 4.7# J-55, tbg set at 6598'							
FORMATION TOPS:							
	Nacimiento		2400'		Mesaverde	6066'	
	Ojo Alamo		3647'		Point Lookout	6414'	
	Kirtland		3302'				
	Fruitland		4063'				
	Pictured Cliffs		4266'				
LOGGING: ES-GRN-IND, ML, GRN, (3) Temp. Survey							
PERFORATIONS 6416' - 36', 6449' - 69', 6510' - 26' 6538' - 66', 6580' - 92', w/2 SPF, Total 192 holes							
STIMULATION: Water frac w/59,960 gal. water and 60,000# sand. BDP 900#, max. pr. 2800#, avg. tr. pr. 1400-1500-1700-2500#. IR 55.4 BPM. Flush 11,000 gal.							
WORKOVER HISTORY: None							
PRODUCTION HISTORY:							
Cumulative as of Aug. 94:	<u>Gas</u>	<u>Oil</u>	DATE OF LAST PRODUCTION:		<u>Gas</u>	<u>Oil</u>	
Current Rate:	542.3 MMcf	0 MBbl	March, 1989		4.0 Mcf/D	0 bbl/D	
	0 Mcfd	0 Bopd					
PIPELINE: EPNG							

San Juan 28-4 Unit #16

CURRENT

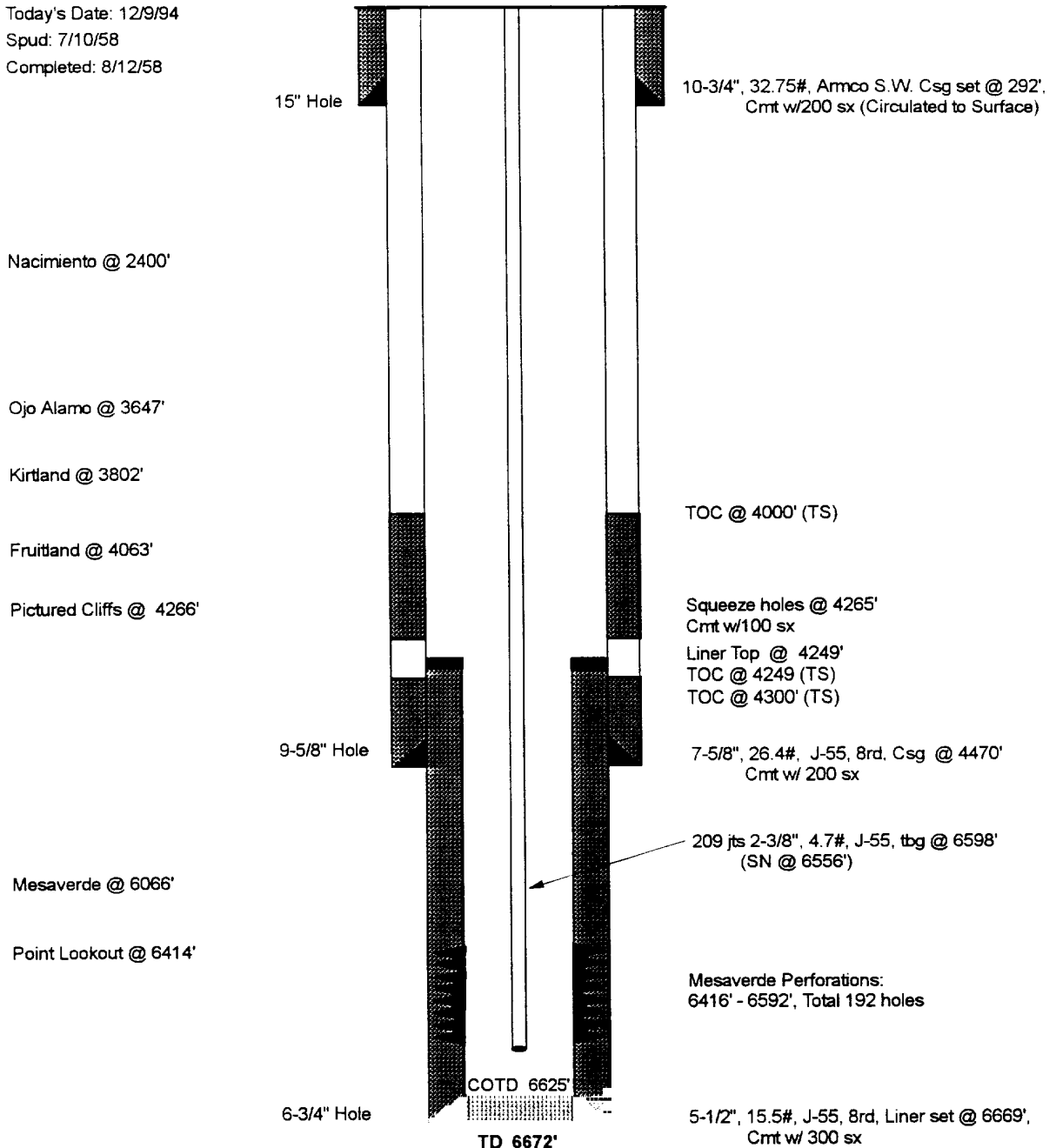
Blanco Mesaverde

NE Section 30, T-28-N, R-4-W, Rio Arriba County, NM

Today's Date: 12/9/94

Spud: 7/10/58

Completed: 8/12/58



San Juan 28-4 Unit #16

PROPOSED P&A

Blanco Mesaverde

NE Section 30, T-28-N, R-4-W, Rio Arriba County, NM

Today's Date: 12/9/94

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