

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  
1180'FSL, 1170'FEL, Sec.10, T-30-N, R-9-W, NMPM
5. Lease Number  
SF-078201A
6. If Indian, All. or  
Tribe Name
7. Unit Agreement Name
8. Well Name & Number  
Riddle #6
9. API Well No.  
30-045-26306
10. Field and Pool  
Blanco Pictured Cliffs
11. County and State  
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.

RECEIVED  
OCT 13 1994

OIL CON. DIV.  
DIST. 3

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

OIL CON. DIV.  
DIST. 3

94 OCT -4 PM 2:43

RECEIVED  
OCT 13 1994

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

Signed [Signature] (JK5) Title Regulatory Affairs Date 10/4/94

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any:

APPROVED

OCT 11 1994  
DISTRICT MANAGER

NMCOO

## PLUG & ABANDONMENT PROCEDURE

### Riddle #6

Blanco Pictured Cliffs  
SE Section 10, T-30-N, R-09-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 NMOCD, BLM, and MOI regulations.
2. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary.
3. Open bradenhead valve. Establish a rate down casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow. If bradenhead flows water, move in rig with workstring to plug well. If not, pump 2 frac balls (Note there are only 10 holes) in additional water and monitor pressure, rate, and volumes pumped, to confirm perforations taking water.
4. **Plug #1 (Pictured Cliffs perfs & Fruitland, Kirtland and Ojo Alamo formations, 2941' to 500'):** Establish rate into perforations. Mix and pump 80 sxs Class B cement down 2-7/8" from 2941' to 500'; displace to 500' with water. Shut in well and WOC. RU wireline and RIH to tag top of cement. Pressure test casing to 500#.
5. **Plug #2 (Surface):** Perforate 2 holes at 278'. Establish circulation out bradenhead valve. Mix approximately 82 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 to comply with regulations. RD, MOL, cut off anchors, and restore location. ;

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

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

# Riddle #6

## CURRENT

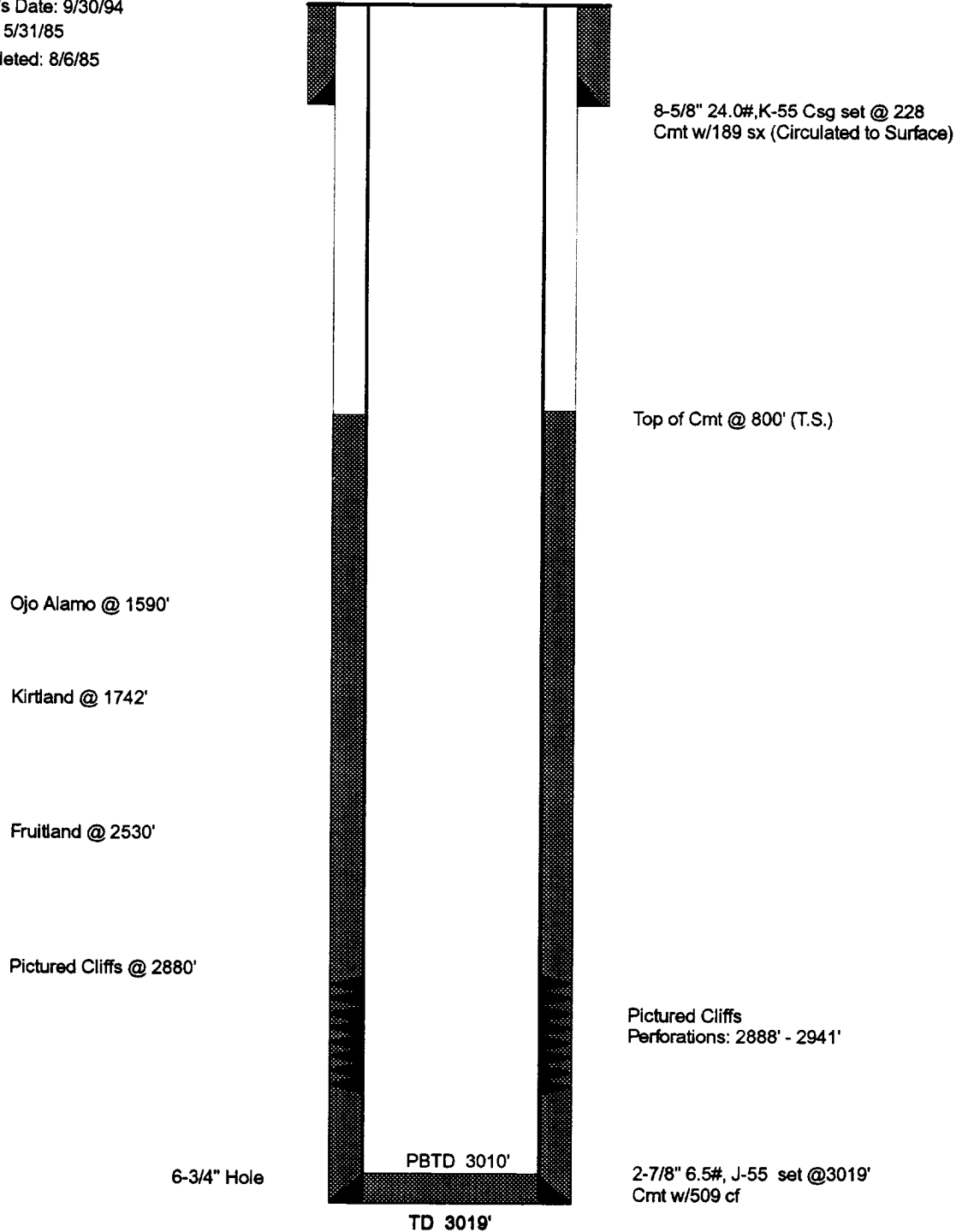
Blanco Pictured Cliffs

SE, Section 10, T-30-N, R-09W, San Juan County, NM

Today's Date: 9/30/94

Spud: 5/31/85

Completed: 8/6/85



# Riddle #6

## PROPOSED

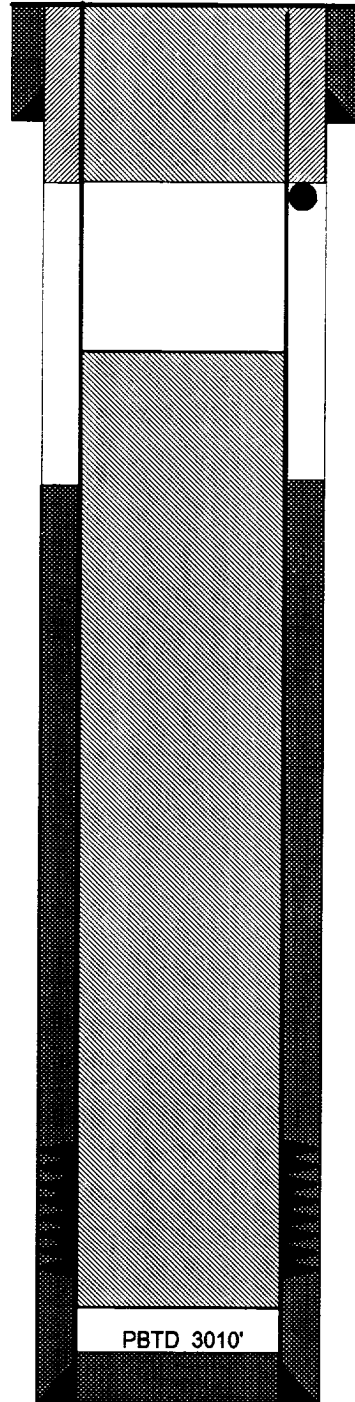
Blanco Pictured Cliffs

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8-5/8" 24.0#, K-55 Csg set @ 228  
Cmt w/189 sx (Circulated to Surface)

Perforate @ 278'

Plug #2: 278' - Surface  
82 sxs cement

Top of Cmt @ 800' (T.S.)

Ojo Alamo @ 1590'

Kirtland @ 1742'

Fruitland @ 2530'

Pictured Cliffs @ 2880'

Plug #1: 2941' - 500'  
80 sxs cement

Perforations: 2888' - 2941'

PBTD 3010'

6-3/4" Hole

2-7/8" 6.5#, J-55 set @ 3019'  
Cmt w/509 cf

TD 3019'

# PERTINENT DATA SHEET

9/30/94

<b>WELLNAME:</b> Riddle #6	<b>DP NUMBER:</b> 53973A																																
<b>WELL TYPE:</b> Blanco Pictured Cliffs	<b>ELEVATION:</b> GL: 6098' KB:																																
<b>LOCATION:</b> 1180' FSL 1170' FEL Sec. 10, T30N, R09W San Juan County, New Mexico	<b>INITIAL POTENTIAL:</b> 566 MCF/D  <b>SICP:</b> 768																																
<b>OWNERSHIP:</b> GWI: 100.0000% NRI: 84.0000%	<b>DRILLING:</b> SPUD DATE: 05-31-85 COMPLETED: 08-06-85 TOTAL DEPTH: 3019' PBTD: 3010'																																
<b>CASING RECORD:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>HOLE SIZE</u></th> <th style="text-align: left;"><u>SIZE</u></th> <th style="text-align: left;"><u>WEIGHT</u></th> <th style="text-align: left;"><u>GRADE</u></th> <th style="text-align: left;"><u>DEPTH</u></th> <th style="text-align: left;"><u>EQUIP.</u></th> <th style="text-align: left;"><u>CEMENT</u></th> <th style="text-align: left;"><u>TOC</u></th> </tr> </thead> <tbody> <tr> <td>12 1/4"</td> <td>8 5/8"</td> <td>24#</td> <td>K55</td> <td>228'</td> <td>-</td> <td>189 cf</td> <td>Surface</td> </tr> <tr> <td>6 3/4"</td> <td>2 7/8"</td> <td>6.5#</td> <td>J55</td> <td>3020'</td> <td></td> <td>509 cf</td> <td>TS 800'</td> </tr> <tr> <td colspan="8">No Tubing</td> </tr> </tbody> </table>		<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"	24#	K55	228'	-	189 cf	Surface	6 3/4"	2 7/8"	6.5#	J55	3020'		509 cf	TS 800'	No Tubing							
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