

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  
1068'FNL, 980'FWL, Sec.24, 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 A #8

9. API Well No.  
30-045-20490

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"/> 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 per the attached procedure and wellbore diagram.

RECEIVED  
OCT - 8 1994  
CLERK OF COURT  
SAN JUAN CO. NM

070 FARMINGTON, NM

SEP 13 AM 11:15

RECEIVED  
OCT 13 1994

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

Signed [Signature] (JK5) Title Regulatory Affairs Date 9/8/94

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any:

APPROVED

SEP 20 1994

DISTRICT MANAGER

NMOCD

<b>WELLNAME:</b> Riddle A #8				<b>DP NUMBER:</b> 52270A			
<b>WELL TYPE:</b> Pictured Cliffs				<b>ELEVATION:</b> <b>GL:</b> 5774' <b>KB:</b> 5785'			
<b>LOCATION:</b> 1068' FNL 980' FWL Sec. 24, T30N, R9W San Juan County, New Mexico				<b>INITIAL POTENTIAL:</b> AOF 1,966 MCF/D  <b>SICP:</b> 821 <b>SITP:</b>			
<b>OWNERSHIP:</b> <b>GW:</b> 75.0000% <b>NRI:</b> 63.0000%				<b>DRILLING:</b> <b>SPUD DATE:</b> 05-15-69 <b>COMPLETED:</b> 06-30-69 <b>TOTAL DEPTH:</b> 2588' <b>PBTD:</b> 2578'			
<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"	24#	K55	219'	-	165 sx	Circ. Surface
6 3/4"	2 7/8"	6.4#	J55	2588'	Model C Packer @ 2467'	225 sx	TS 1280'
Tubing	1 1/4"			2505'			
Bull Plug @ 2504', perf @ 2501', 1 jt tubing, Baker Model C-1 Packer @ 2467', 75 jts. tubing. Total of 76 jts of tubing set @ 2505'							
<b>FORMATION TOPS:</b>							
	Ojo Alamo	1355'		Mancos			
	Kirtland	1452'		Gallup			
	Fruitland	2154'		Graneros			
	Pictured Cliffs	2500'		Dakota			
	Lewis						
	Menefee						
	Point Lookout						
<b>LOGGING:</b> I-ES, FDC-GR, TS							
<b>PERFORATIONS</b> 2507' - 2521' (24 holes); 2536' - 2544' (23 holes)							
<b>STIMULATION:</b> 28,000 gal. water, 30,000# sand, 200 gal. acid							
<b>WORKOVER HISTORY:</b>							
	5/27/70	Installed 78 jts. 1 1/4" tubing and set @ 2535'					
	10/2/84	Pulled 1 1/4" tubing, re-ran 1 1/4" tubing (76 jts.) and set @ 2505', and set Baker model C-1 packer @ 2467'					
<b>PRODUCTION HISTORY:</b>							
	<u>Gas</u>	<u>Oil</u>	<u>DATE OF LAST PRODUCTION:</u>		<u>Gas</u>	<u>Oil</u>	
Cumulative as of May, 94:	1.01 Bcf	0 MBbl	May, 1994		79 Mcf	0 Bbl	
Current:	79 Mcf	0 Bbl					
<b>PIPELINE:</b> EPNG							

# RIDDLE A #8

CURRENT-8-2-94

BLANCO PICTURED CLIFFS

UNIT D, SEC 24, T30N, R09W, SAN JUAN COUNTY, NM

COMPLETED 6/30/69  
TUBING ADDED 5/27/70

8-5/8" 24.0# K-55 CSG SET @ 219'  
CMT W/ 165 SX  
CIRC CMT TO SURFACE

POSSIBLE CASING LEAK @ 420'

1-1/4" 2.33# J-55 TBG SET @ 2535'

TOC @ 1280' (TEMP SURVEY)

OJO ALAMO @ 1355'

KIRTLAND @ 1452'

FRUITLAND @ 2154'

PICTURED CLIFFS @ 2500'

MODEL "C" PKR SET @ 2467'

PERFS @ 2507'-2544'  
FRAC W/28,000 GAL  
WATER & 30,000# SAND

2-7/8" 6.5# J-55 CSG SET @ 2588'  
CMT W/ 225 SX

TD 2588'  
PBD 2578'

**PLUG & ABANDON PROCEDURE**

**Riddle A #8  
Pictured Cliffs DPNO 52270A  
1068' FNL, 980' FWL  
Sec. 24, T30N, R9W  
San Juan County, New Mexico**

1. Install and test location rig anchors. Prepare blow pit (for cement washout only).
2. MOL and RU daylight pulling unit. NU relief line to atmospheric blow tank. Comply to all NMOCD, BLM, and MOI regulations. Conduct safety meeting for all personnel on location.
3. Blow down well and kill with water as necessary; a 8.3 ppg wellbore fluid exceeds exposed reservoirs' pressure. ND wellhead and NU BOPs. Test operation of BOPs.
4. Pick up on 1 1/4" production tubing, release Baker Model C-1 packer and POOH. Run 2 7/8", 6.4# gauge ring to 2490'.
5. **Plug #1 (Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo; 1300' to 2544')**: PU 2 7/8" cement retainer and set @ 2470'. Note: there is a suspected hole in production tubing string at unknown depth. Pressure test tubing to 1,000 psi and establish rate and squeeze PC perforations. Mix 38 sx Class B neat cement and squeeze 4 sx. under retainer; sting out of retainer and spot 34 sx cement on top. POH to 1000'. Load well with water and reverse circulate well clean. WOC. Tag cement. Pressure test casing to 500#. TOH and LD tubing.
6. **Plug #2 (Surface; Surface to 270')**: Perforate 2 holes at 270'. Establish circulation down 2 7/8" casing and out bradenhead valve. Pump cement down 2 7/8" casing and circulate out bradenhead (≅ 73 sx.).
7. Cut off wellhead below surface casing flange and install dry hole marker to BLM specifications. Release rig and restore location.
  - \* Cement volumes are calculated from 50' above to 50' below formation tops.
  - \* Surface plug volume is calculated from 50' below casing shoe to surface.
  - \* All cement volumes are calculated with 100% volume excess outside pipe and 50 foot plug length excess inside pipe.
  - \* Plugs spotted on top of cement retainers will fill minimum of 50" inside pipe.

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

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

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P & A

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