

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 &amp; Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

## 4. Location of Well, Footage, Sec., T, R, M

1040' FNL, 1460' FEL, Sec. 4, T-30-N, R-9-W, NMPM

5. Lease Number  
SF-0810986. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number  
Riddle E #39. API Well No.  
30-045-2647410. Field and Pool  
Blanco Pictured Cliffs11. County and State  
San Juan Co, NM

## 12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

## Type of Submission

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment

## Type of Action

☒ Abandonment☐ Recompletion☐ Plugging Back☐ Casing Repair☐ Altering Casing☐ Other -☐ Change of Plans☐ New Construction☐ Non-Routine Fracturing☐ Water Shut off☐ 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**  
MAR 15 1996  
BUREAU OF LAND MANAGEMENT  
SANDIA CAMP

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

Signed *Reggie Shapnell* (VGW5) Title Regulatory Administrator Date 3/15/96

(This space for Federal or State Office use)

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

CONDITION OF APPROVAL, if any:

NMOC

## PLUG AND ABANDONMENT PROCEDURE

2-28-96

Riddle E #3  
DPNO 54242A  
Blanco Pictured Cliffs  
NE, Sec. 4, T30N, R9W  
San Juan County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. 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 NMOCD, BLM and Meridian safety rules and regulations.
2. Rig up cementing equipment. Conduct safety meeting for all personnel on location. NU relief line to flow back tank. Blow well down. ND wellhead and NU cementing valve.
3. Open bradenhead valve. Establish 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 6 7/8" RCN balls (total of 12 perforations) in additional water and monitor pressure, rate and volumes pumped, to confirm perforations taking water and there is not a casing leak. If bradenhead flows water or there are other indications of a casing leak, then use 1-1/4" tubing to plug well.
4. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland, Ojo Alamo tops and Surface, 3058' surface):** Establish rate into Pictured Cliffs perforations with water. Mix and pump 100 sxs Class B cement (20% excess, long plug) down 2-7/8" casing; do not displace. Shut in well and WOC.
5. Open well and determine cement top (visually or wireline if necessary). Fill 2-7/8" casing as necessary to surface. ND cementing valve. Cut wellhead off. Fill 2-7/8" x 8-5/8" annulus as necessary.
6. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# Riddle E #3

Proposed P & A

DPNO 54242A

Blanco Pictured Cliffs

NE Section 4, T-30-N, R-9-W, San Juan County, NM

Today's Date: 2/28/96

Spud: 8/13/85

Completed: 12/11/85

12-1/4" hole

Cement Circulated to Surface

8-5/8" 24# Csg set @ 233'  
153 cf (Circulated to Surface)

Ojo Alamo @ 1643'

Kirtland @ 1750'

Fruitland @ 2548'

Pictured Cliffs @ 2944'

Plug #1 3058' - Surface  
Cement with 100 sxs Class B,  
(20% excess, long plug).

Pictured Cliffs Perforations:  
2950' - 3058'

PBTD 3083'

6-3/4 hole

TD 3100'

2-7/8" 6.4# K-55 set @ 3091'  
Cmt w/ 747 cf  
(Cement circulated to surface)

# Riddle E #3

Current

DPNO 54242A

Blanco Pictured Cliffs

NE Section 4, T-30-N, R-9-W, San Juan County, NM

Today's Date: 2/28/96

Spud: 8/13/85

Completed: 12/11/85

12-1/4" hole

Cement Circulated to Surface

8-5/8" 24# Csg set @ 233'  
153 cf (Circulated to Surface)

Ojo Alamo @ 1643'

Kirtland @ 1750'

Fruitland @ 2548'

Pictured Cliffs @ 2944'

## WORK HISTORY:

8/95: With coiled tubing: ran casing scraper to 2925'; set packer at 2900, pressure test annulus to 500#; clean out fill with N2; blow well; check for fill, none; rig down.

8/95: Swab well: found fluid level at 2600'; no fluid recovery, no gas.

Pictured Cliffs Perforations:  
2950' - 3058'

PBTD 3083'

6-3/4" hole

TD 3100'

2-7/8" 6.4# K-55 set @ 3091'  
Cmt w/ 747 cf  
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