

submitted in lieu of Form 3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Sundry Notices and Reports on Wells

2004 SEP 18 PM 1 48

RECEIVED

070 FARMINGTON NM

1. Type of Well  
Gas

2. Name of Operator  
Western Minerals & Oil, LLC

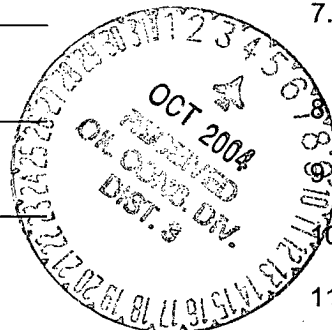
3. Address & Phone No. of Operator  
PO Box 1228, Farmington, NM 87499 (505) 327-9393

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

1500' FSL and 1850' FEL, Section 35, T-25-N, R-5-W,

5. Lease Number  
Jicarilla Contract #35  
6. If Indian, All. or  
Tribe Name  
Jicarilla Apache  
7. Unit Agreement Name

Well Name & Number  
Apache #1  
API Well No.  
30-039-20034  
Field and Pool  
S. Blanco PC  
County & State  
Rio Arriba, 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

Western Minerals & Oil proposes to plug and abandon this well per the attached procedure.

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

Signed

William Clark

Title

Agent

Date

04 SEP 13 PM 1:50  
010 ALBUQUERQUE, N.M.

RECEIVED  
BLM

(This space for Federal or State Office use)

APPROVED BY /s/ David R. Sitzler

Title

Division of Multi-Resources

CONDITION OF APPROVAL, if any:

OPERATOR

## PLUG AND ABANDONMENT PROCEDURE

September 1, 2004

### **Apache #1**

South Blanco Pictured Cliffs  
1500' FSL & 1850' FEL Section 35, T25N, R5W  
Rio Arriba County, New Mexico, API #30-039-20034

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. All cement is ASTM Type III, mixed at 14.8 ppg with a yield of 1.32 cf/sx.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD and BLM safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and LD 1" NU pipe in well, total 2977'. Prepare a 2-3/8" tubing workstring. Round trip a wireline gauge ring or casing scraper to 2900'.
3. **Plug #1 (Pictured Cliffs perforations and Fruitland, Kirtland, Ojo Alamo tops, 2900' – 2360'):** Set a 4-1/2" CIBP or cement retainer at 2900'. TIH with tubing and tag CIBP. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 41 sxs Type III cement and spot a balanced plug inside casing above the CR to isolate the Pictured Cliffs perforations and to cover through the Ojo Alamo top. TOH with tubing.
4. **Plug #2 (Nacimiento top, 1125' – 1025'):** Perforate 3 HSC squeeze holes at 1125'. If casing tests, then establish rate into squeeze holes. Set a 4-1/2" cement retainer at 1075'. Establish rate into squeeze holes. Mix and pump 33 sxs cement, squeeze 21 sxs outside casing and leave 11 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
5. **Plug #3 (8-5/8" Surface casing, (154' - Surface):** Perforate 2 HSC squeeze holes at 154'. Establish circulation out bradenhead valve with water. Mix and pump approximately 50 sxs Type III cement down 4-1/2" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
6. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

# Apache #1

## Current

South Blanco Pictured Cliffs

1500' FSL & 1850' FEL, Section 35, T-25-N, R-5-W

Rio Arriba county, NM / API #30-039-20034

Today's Date: 9/1/04

Spud: 6/20/67

Completed: 7/1/67

Elevation: 6906' GL  
6914' KB

12-1/4" hole

8-5/8" 20#, J-55 Casing set @ 104'  
Cement with 90 sxs, Circulate to surface.

### Well History

No workover records available.

Nacimiento @ 1075'  
(estimate)

TOC @ 2214' (Calc., 75%)

Ojo Alamo @ 2410'

1" Tubing set at 2977'

Kirtland @ 2605'

Fruitland @ 2765'

Pictured Cliffs @ 2945'

Pictured Cliffs Perforations:  
2946' - 2977'

PBTD 2983'

6-3/4" Hole

4-1/2" 9.5#, J-55 Casing set @ 3034'  
Cement with 120 sxs (151 cf)

TD 3040'

# Apache #1

## Proposed P&A

South Blanco Pictured Cliffs

1500' FSL & 1850' FEL, Section 35, T-25-N, R-5-W

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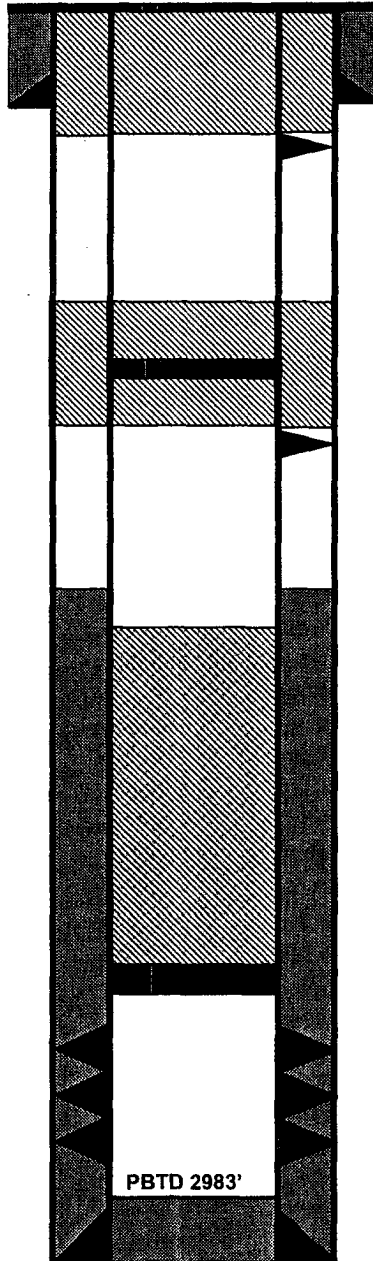
Kirtland @ 2605'

Fruitland @ 2765'

Pictured Cliffs @ 2945'

6-3/4" Hole

TD 3040'



8-5/8" 20#, J-55 Casing set @ 104'  
Cement with 90 sxs, Circulate to surface.

**Plug #3: 154' - Surface**  
Cement with 50 sxs Type III

**Cmt Retainer @ 1075'**

**Perforate @ 1125'**  
**Plug #2: 1125' - 1025'**  
Cement with 33 sxs Type III,  
21 sxs outside casing  
and 11 sxs inside.

TOC @ 2214' (Calc., 75%)

**Plug #1: 2900' - 2360'**  
Cement with 41 sxs Type III

**Set Cmt Retainer @ 2900'**

**Pictured Cliffs Perforations:**  
2946' - 2977'

4-1/2" 9.5#, J-55 Casing set @ 3034'  
Cement with 120 sxs (151 cf)