

State of New Mexico  
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham  
Governor

Sarah Cottrell Propst  
Cabinet Secretary

Todd E. Leahy, JD, PhD  
Deputy Secretary

Adrienne Sandoval, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 11/1/2019

Well information:

**30-039-05059 MOBIL APACHE #010**

**EPIC ENERGY, L.L.C.**

Application Type:

P&A    Drilling/Casing Change    Location Change

Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84; Submit Gas Capture Plan form prior to spudding or initiating recompletion operations)

Other:

Conditions of Approval:

- Notify NMOCD 24hrs prior to beginning operations.

In addition to the BLM approved plugs:

- Add a plug from 2704'-2607' to cover the Ojo Alamo top. OCD Ojo Alamo pick @ 2654'.
- Add a plug from 1505'-1405' to cover the Nacimiento top. OCD Nacimiento pick @ 1455'.

NMOCD Approved by Signature

1/24/20

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No <b>Contract #168</b>
2. Name of Operator <b>Epic Energy, LLC</b>		6. If Indian, Allottee or Tribe Name <b>Jicarilla- Apache</b>
3a. Address <b>7415 East Main, Farmington, NM 87402</b>	3b. Phone No. (include area code) <b>505-327-4892</b>	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M. or Survey Description) <b>1650' FSL &amp; 790' FEL; Section 13, T23N, R3W</b>		8. Well Name and No. <b>Mobil Apache #10</b>
		9. API Well No. <b>30-039-05059</b>
		10. Field and Pool, or Exploratory Area <b>South Blanco Pictured Cliffs</b>
		11. County or Parish, State <b>Rio Arriba, NM</b>

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Epic Energy, LLC, proposes to permanently plug and abandon the Mobil Apache #10 as per the attached procedure:

**NMOCD**

**JAN 10 2020**

**DISTRICT III**

No EC  
7/16/19

COA attached

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

Name (Printed/Typed) <b>John Thompson</b>	Title <b>Vice President - EPIC Energy</b>
Signature 	Date <b>July, 19 2019</b>

THIS SPACE FOR FEDERAL OR STATE USE

Approved by 	Title <b>Petroleum Engineer</b>	Date <b>7/8/2020</b>
	Office <b>FFO</b>	

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**NMOCD**

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402

Attachment to Notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: Mobil Apache #10

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. Submit electronic copy of the CBL for verification to the following addresses: [jkillins@blm.gov](mailto:jkillins@blm.gov) , [jhoffman@blm.gov](mailto:jhoffman@blm.gov) and [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us) . Based on CBL results inside/outside plugs and volumes will be adjusted accordingly. Please review the General Requirements document to ensure volumes meet required excess inside and outside casing.
4. Based on geologic review and evidence of fresh water, place an additional plug to cover Nacimiento top inside/outside casing from 500-600 ft md with required excess volume.
5. Surface plug to extend 50' below the shoe of the 8-5/8 surface casing with no annular space left open to the drilled hole below.

## **P&A Procedure**

**EPIC Energy – Mobil Apache #10**

**South Blanco Pictured Cliffs**

**1650' FSL & 790' FEL, Section 13, T23N, R3W**

**Rio Arriba County, New Mexico, API #30-039-05059**

### **Plug & Abandonment Procedure:**

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**Note: All cement volumes use 100% excess outside casing and 50' excess inside pipe. Stabilizing wellbore fluid will be 8.33 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class G neat 1.15 ft<sup>3</sup>/sk or equivalent. If casing pressure tests tagging plugs will not be required. Procedure designed from calculated TOC 2647'.**

**Pertinent well data: See attached WBD**

### **Prior to Mobilization**

1. Notify BLM & NMOCD
2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft<sup>3</sup>/sk.
3. Comply with all COA's from BLM and NMOCD

### **P&A Procedure**

1. MIRU PU and cement equipment
2. ND WH, NU BOP, RU rig floor and 2 3/8" handling tools
3. POOH and tally and 2 3/8" tubing. RIH with 4 1/2" casing scraper to 3066'
4. TIH with 4 1/2" CICR and set @ 3041'
5. Pressure test tubing to 1000 psi, Roll well, close pipe rams and pressure test casing to 500 psi to determine if plug tags will be required.
6. TOOH and LD setting tool
7. MIRU WL and run CBL to determine TOC
8. Plug #1, 2837' - 3041' (Pictured Cliffs Top: 3091', Fruitland Top 2945', Kirtland Top 2887' Perfs: 3194' - 3104'): TIH to CICR set @ 3041'. Mix & pump 23 sxs (26.45 ft<sup>3</sup>) of Class G neat cement (or equivalent) leaving 290' of cement on top of retainer. PU 100' above TOC and reverse circulate tubing clean.
9. If necessary RU WL, RIH and perforate at 2622'
10. TIH w/ CICR and set @ 2597'
11. Plug #2, 2497' - 2597' (Ojo Alamo Top: 2654'): Sting into retainer and attempt to squeeze 39 sx (44.85 ft<sup>3</sup>) into annulus. Sting out of retainer and spot 14 sxs (16.1 ft<sup>3</sup>) Class G neat cement in a balanced plug inside casing. PUH 100' above TOC and reverse circulate tubing clean.
12. TOOH and LD tubing

**13. Plug #3, (8-5/8" Surface casing shoe, 103' to Surface):** Original surface casing circulated cement. TIH to 8 5/8" surface casing shoe at 103' and mix approximately 17 sxs (19.55 ft<sup>3</sup>) class G neat cement. Top off as necessary.

**14. ND BOP and cut off wellhead below surface casing flange, top off casing and annulus as necessary.** Install P&A marker and cut off and/or remove anchors. RD, MOL - Restore location per BLM stipulations.

**John C. Thompson**  
**Engineer**

**EPIC Energy, LLC**

**Mobile Apache #10**

**Proposed P&A**

**South Blanco Pictured Cliffs**

1650' FSL & 790' FEL, Section 13, T23N, R3W, Rio Arriba County, NM

API #30-039-05059

Today's Date: 7/19/19  
Spud: 11/14/1964  
Completed: 3/6/1965

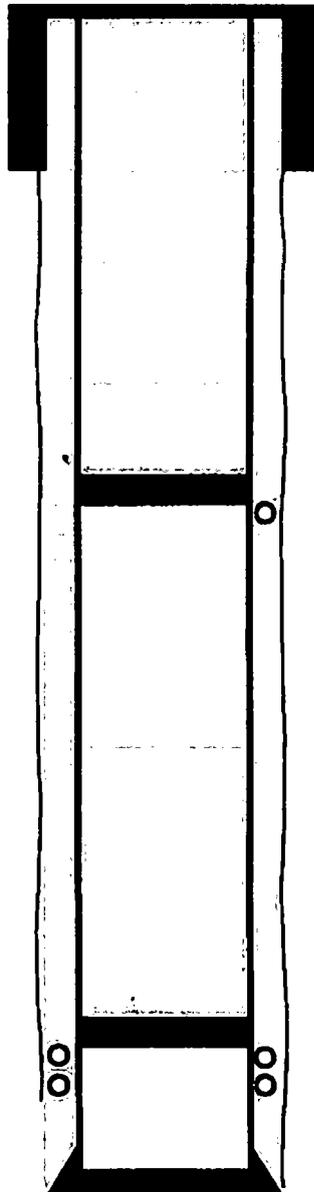
Surface - Nacimienta

Ojo Alamo @ 2654'

Kirtland @ 2887'

Fruitland @ 2945'

Pictured Cliffs @ 3091'



Surface Casing Elevation: 7310' KB

Hole Size: 12 1/4"  
8 5/8", 24#, Casing set @ 103'  
Cement w/ (90 sk), circulated cmt to surf

Production Casing

Hole Size: 7 7/8"  
4-1/2", 9.5#, casing set @ 3140'  
Cement w/ 100 sk Class A - TOC 2647' (Calculated)  
Pictured Cliffs Perfs: 3194' - 3104' (2 spf)

Plug #3: Surface - 103' - (8 5/8" surface casing shoe)  
Class G neat, 17 sxs (19.55 ft<sup>3</sup>)

Plug #2: 2497' - 2597'  
Class G neat Squeeze 39 sx (44.85 ft<sup>3</sup>)  
Spot Class G neat, 14 sxs (16.1 ft<sup>3</sup>)  
Set CICR @ 2597'  
WL 3 spf @ 2622' (25' above TOC determined by CBL)

Plug #1: -2837' - 3041'  
Class G neat, 23 sxs (26.45 ft<sup>3</sup>)  
Set CICR at 3041'

PBTD: 3150'  
TD: 3140'