

Sundry Print Report.

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U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

06/22/2022

Well Name: MOBIL APACHE 18	Well Location: T23N / R2W / SEC 18 / NENE /	County or Parish/State: RIO ARRIBA / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC159	Unit or CA Name:	Unit or CA Number:
US Well Number: 300392310700S1	Well Status: Producing Gas Well	Operator: EPIC ENERGY LLC

Notice of Intent

Sundry ID: 2675678

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 06/08/2022

Time Sundry Submitted: 02:28

Date proposed operation will begin: 06/08/2022

Procedure Description: Attached is the P&A procedure and the Reclamation Plan for the Mobil Apache 18 #2.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

NOI_P_A_Mobil_Apache_18__2_20220608142709.pdf

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US Well Number: 300392310700S1	Well Status: Producing Gas Well	Operator: EPIC ENERGY LLC

Conditions of Approval

Additional

2675678_NOIA_18_2_3003923107_KR_06222022_20220622130436.pdf

General_Requirement_PxA_20220622130425.pdf

23N02W18AKpc_Mobil_Apache_18_2_20220621131414.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: SHAWNA MARTINEZ**Signed on:** JUN 08, 2022 02:27 PM**Name:** EPIC ENERGY LLC**Title:** Regulatory Tech**Street Address:** 332 RD 3100**City:** AZTEC**State:** NM**Phone:** (505) 327-4892**Email address:** SHAWNA@WALSHENG.NET

Field

Representative Name:**Street Address:****City:****State:****Zip:****Phone:****Email address:**

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5055647742**BLM POC Email Address:** krennick@blm.gov**Disposition:** Approved**Disposition Date:** 06/22/2022**Signature:** Kenneth Rennick

P&A Procedure**EPIC Energy – Mobil Apache #18-2**

South Blanco Pictured Cliffs

790' FNL & 790' FEL, Section 18, T23N, R2W

Rio Arriba County, New Mexico, API #30-039-23107

Plug & Abandonment Procedure:

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 ft³/sk or equivalent. If casing pressure tests tagging plugs will not be required. Cement circulated on surface and production casing.

Prior to Mobilization

1. Notify BLM & NMOCD
2. Verify all cement volumes based on actual slurry to be pumped. Calculations based on 1.15 ft³/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 2 3/8" production string set at ~3011' (last recorded 1983).
4. TIH with 4 1/2" casing scraper to 3018'. TOOH LD 4 1/2" scraper.
5. TIH with CICR and set @ 2968'. Roll hole with fresh water. PT tubing to 500 psi. PT casing to 500 psi.
6. **Plug #1, 2562' - 2968' (Pictured Cliffs Top: 3012', Fruitland Top 2920', Kirtland Top 2733' Perfs: 3018' – 3032'):** Sting out of retainer. Mix & pump 35 sxs (40.25 ft³) of Class G neat cement (or equivalent) of cement on top of retainer. PU 200' above TOC and reverse circulate tubing clean. WOC if necessary.
7. **Plug #2, (8-5/8" Surface casing shoe, 139' to Surface):** Surface casing circulated cement. TIH 50' below 8-5/8" surface casing shoe at 89' to 139'. Mix and pump 12 sxs (13.8 ft³) class G neat cement or until well circulates. Top off as necessary.
8. 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. Take pictures from all cardinal directions. Ensure to notify project management of all remaining equipment on location once plugging is complete.

Kyle T. Mason
Operations Engineer

SCANNED
6.8.22

EPIC Energy, LLC
Mobil Apache #18-2
Current WBD

South Blanco Pictured Cliffs
 790' FNL & 790' FEL, Section 18, T23N, R2W, Rio Arriba County, NM
 API #30-039-23107

Today's Date: 1/7/2022
 Spud: 11/27/1982
 Completed: 2/18/1983

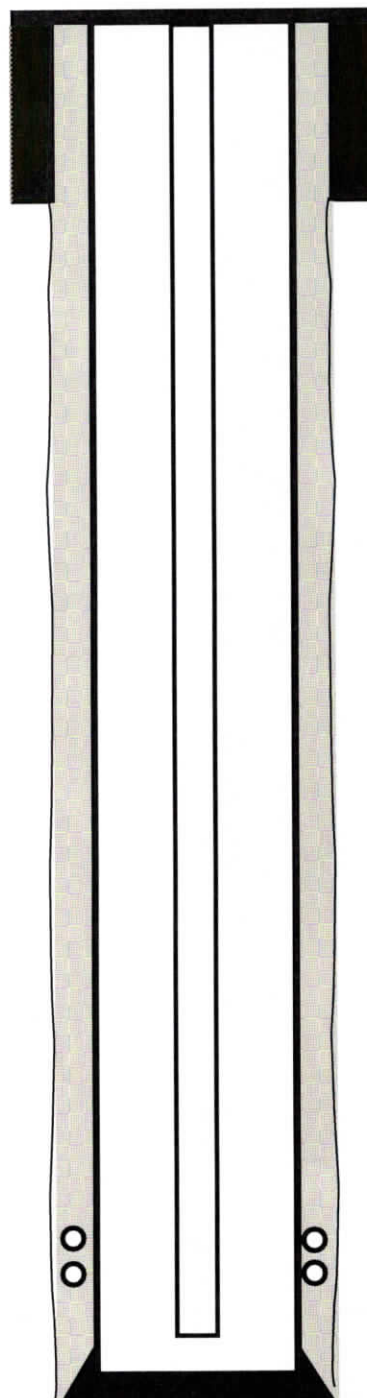
Surface - Nacimiento

Ojo Alamo @ 2612'

Kirtland @ 2733'

Fruitland @ 2920'

Pictured Cliffs @ 3012'



Surface Casing

Elevation: 7241' GL

Hole Size: 11-1/2"

8 5/8", 32#, Casing set @ 89'

Cement w/ 109 cf, circulated cmt to surf

Production Casing

Hole Size: 6-1/4"

4-1/2", 11.6#, casing set @ 3180 KB'

Cement w/ 257 cf Pozmix, 100 cf Class B

Pictured Cliffs Perfs: 3018-23', 3026-32'

Cmt circulated to surface

Production Tubing

2 3/8" 4.7# tubing set @ 3011' (Last record)

Plug #3: Surface - 101.5' - (8 5/8" surface casing shoe)
 Class G neat, 12 sxs (13.8 ft³)

Plug #2: 2498' - 2648'
 Class G neat Squeeze 55 sx (63.25 ft³)
 Spot Class G neat, 12 sxs (13.8 ft³)
 Set CICR @ 2648'
 WL 3 spf @ 2673'

Plug #1: 2614' - 2954'
 Class G neat, 27 sxs (31 ft³)
 Set CICR at 2954'

PBTD: 3136'
 TD: 3180'

EPIC Energy, LLC
Mobil Apache #18-2
Proposed P&A

South Blanco Pictured Cliffs
790' FNL & 790' FEL, Section 18, T23N, R2W, Rio Arriba County, NM
API #30-039-23107

Today's Date: 1/7/2022
Spud: 11/27/1982
Completed: 2/18/1983

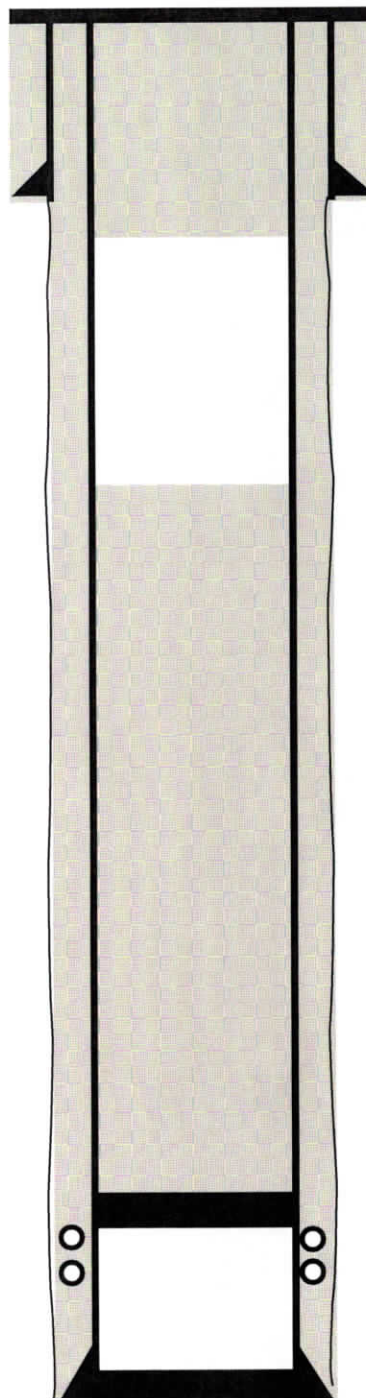
Surface - Nacimiento

Ojo Alamo @ 2612'

Kirtland @ 2733'

Fruitland @ 2920'

Pictured Cliffs @ 3012'



Surface Casing Elevation: 7241' GL
Hole Size: 11-1/2"
8 5/8", 32#, Casing set @ 89'
Cement w/ 109 cf, circulated cmt to surf

Production Casing
Hole Size: 6-1/4"
4-1/2", 11.6#, casing set @ 3180 KB'
Cement w/ 257 cf Pozmix, 100 cf Class B
Pictured Cliffs Perfs: 3018-23', 3026-32'
Cmt circulated to surface

Production Tubing
2 3/8" 4.7# tubing set @ 3011' (Last record)

Plug #2: Surface- 139' (8-5/8" Surface Shoe)
Class G Neat - Circulate ~11 sxs (12.65 ft³)

Set CICR at 2968'

Plug #1: 2562'-2968'
Class G neat, 35 sxs (40.25 ft³)

PBTD: 3136'
TD: 3180'

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

AFMSS 2 Sundry ID 2675678

Attachment to notice of Intention to Abandon

Well: Mobil Apache 18 2

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. The following modifications to your plugging program are to be made:
 - a) Add a plug to cover the Nacimiento formation top at 1314'.
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 06/22/2022

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 6/21/2022

Well No. Mobil Apache 18 #2 (API# 30-039-23107)	Location	790	FNL	&	790	FEL
Lease No. JIC159	Sec. 18	T23N			R02W	
Operator Epic Energy, LLC	County	Rio Arriba		State	New Mexico	
Total Depth 3185'	PBTD 3136'	Formation Pictured Cliffs				
Elevation (GL) 7241'		Elevation (KB) 7249'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose			Surface	1314	Surface/possible freshwater sands
Nacimiento			1314	2612	Possible freshwater sands
Ojo Alamo Ss			2612	2712	Aquifer (possible freshwater)
Kirtland Shale			2712	2920	Possible gas
Fruitland			2920	3012	Coal/Gas/Water
Pictured Cliffs Ss			3012	PBTD	Gas
Lewis Shale					
Chacra					
Cliff House Ss					
Menefee					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- Note: tops reported from GL elevation (not KB).
- BLM picks for the Nacimiento and Kirtland formation tops vary from Operator.
- Add a plug to cover the Nacimiento formation top at 1314'.
- The plugs proposed in the P&A procedure, with recommended changes, will adequately protect any freshwater sands in this well bore.
- Pictured Cliffs perfs 3018' – 3032'.

Reference Well:

1) **Formation Tops**
Same

Prepared by: Chris Wenman

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 119650

CONDITIONS

Operator: EPIC ENERGY, L.L.C. 332 Road 3100 Aztec, NM 87410	OGRID: 372834
	Action Number: 119650
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	6/24/2022
kpickford	Adhere to BLM approved plugs and COAs. See GEO Report	6/24/2022