

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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. Jicarilla Tribal 358
2. Name of Operator Epic Energy, LLC		6. If Indian, Allottee or Tribe Name Jicarilla Apache
3a. Address 7415 East Main, Farmington, NM 87402	3b. Phone No. (include area code) 505-327-4892	7. If Unit or CA/Agreement, Name and/or N Ballard Pictured Cliffs Ext
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1650' FSL & 1650' FWL; Section 8, T21N, R2W 2		8. Well Name and No. Jicarilla Tribal 358 #9
		9. API Well No. 30-043-20115
		10. Field and Pool, or Exploratory Area Ballard Pictured Cliffs Ext
		11. County or Parish, State Sandoval County, NM

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 recomple 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 recomple 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 Jicarilla Tribal 358 #9 as per the attached procedure:

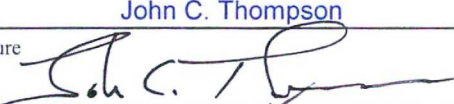
Note: Reclamation plan as previously been submitted to BLM Farmington office, onsite conducted 2/2/2018

Notify NMOCD 24 hrs
prior to beginning
operations

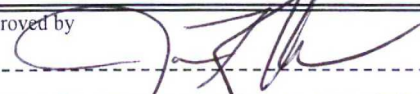
NMOCD

MAY 24 2019

DISTRICT III

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) John C. Thompson	Title VP of Engineering & Operations
Signature 	Date October 15, 2018

THIS SPACE FOR FEDERAL OR STATE USE

Approved by 	Title Petroleum Engr	Date 21 MAY 2019
	Office FFO	

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 false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD AV

P&A Procedure

EPIC Energy – Jicarilla Tribal 358 #9

Ballad Pictured Cliffs Ext

1650' FSL & 1650' FWL, Section 8, T22N, R2W

Sandoval County, New Mexico, API #30-043-20115

Plug & Abandonment Procedure:

Currently the well is producing out 1-1/4" tbg that is landed with EOT at 2679'. Plan to lay down 1-1/4" and PU 2-3/8" work string for P&A.

1. Plug #1, 2619' - 2451' (Pictured Cliffs Top: ²⁴⁵⁰2651', Perfs: 267' – 2710', Fruitland Top: ²⁵³⁰2533'): RIH & set CICR at 2607'. Pressure test tubing prior to pumping cement to 1000 psi. Sting out of retainer, mix & pump 14 sxs (16.5 cf) of Class B cement (or equivalent) leaving 156' of cement on top of retainer. Pull up and circulate hole clean. Note: Circulated cement to surface on primary cement job.
2. Plug #2, 2166' – 2441' (Kirtland Top: ²⁴⁷⁴2391'; Ojo Alamo Top: ²³¹⁰2266'): Spot 22 sxs (26 cf) Class B cement in a balanced plug inside casing to cover Kirtland and Ojo Alamo Top. PUH. WOC. TIH to confirm top of plug. Re- spot if necessary.
3. Plug #3, (8-5/8" Surface casing shoe, ²⁵⁵50' to Surface): Note – circulated cement on primary cement job. Mix and pump 5 sx (5.9 cf) of cement for surface plug, top off as necessary.
4. 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 and Jicarilla Tribal stipulations.

Jicarilla Tribal 358 #9

Proposed P&A

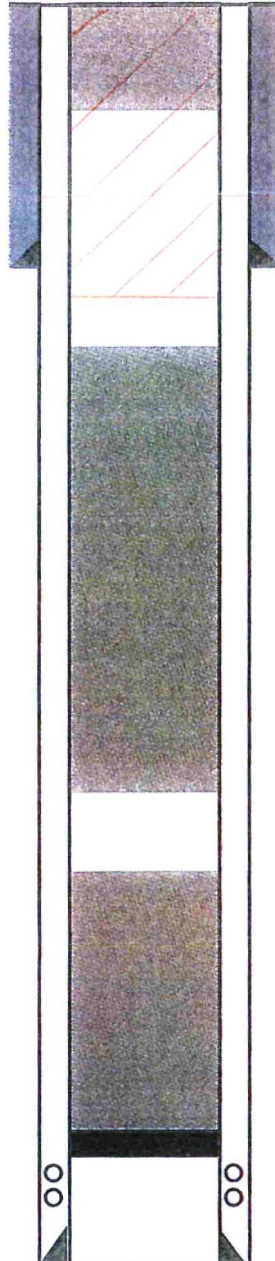
Ballad Pictured Cliffs Ext

1650' FSL & 1650' FWL, Section 8, T22N, R2W, Sandoval County, NM

API 30-043-20115

Spud: 6/26/1973

Procedure Date: 6/27/2018



Surface Csg: 8-5/8" (12-1/4" hole)

Plug #3

Surface Plug: 0-50'

5 sx (5.9 cf)

8-5/8", 24# Set @ 205'

Cmt w/ 200 sxs

Circulated cmt to surf

PLUG 2: 2166' - 2441'

22 sxs (26 cf) Class B

PLUG 1: 2451' - 2607'

Set CICR @ 2607'

14 sx (16.5 cf) Class B

Pictured Cliffs Perfs: 2657'-63', 2671'-78', 2700'-10' (1 spf)

4-1/2", 9.5# csg set @ 2857'

Cemented w/ 550 sx 50/50 Poz & 100 sx Neat Class C

Circulated cement to surface

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: Jicarilla Tribal 358 #9

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. Pursuant to the BLM Geologic Report the following changes are to be made (adjust plugs as indicated below):

BLM Tops:
Pictured Cliffs @2650'
Fruitland @2530'
Kirtland @2474'
Ojo Alamo @2310'

I: Spot plug #3 (surface and surface shoe plug) from 255' to surface.

**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.

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