

Well Name: AXI APACHE F	Well Location: T23N / R5W / SEC 11 / SWSW / 36.2340991 / -107.3367378	County or Parish/State: RIO ARRIBA / NM
Well Number: 8	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC78	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003923131	Well Status: Producing Gas Well	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2743595

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 07/31/2023	Time Sundry Submitted: 03:17
Date proposed operation will begin: 07/31/2023	

**Procedure Description:** This NOI to P&A is being submitted for engineering & geological review prior to onsite inspection as approved by Dave M. of the BLM. A Reclamation Plan will be submitted on a subsequent sundry at a later date. DJR Operating, LLC requests permission to Plug & Abandon the subject well according to the attached Procedure, Current & Proposed Wellbore Diagram.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

NOI\_to\_PA\_BLM\_20230731151716.pdf

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Conditions of Approval

Specialist Review

2743595\_NOI\_PnA\_AXI\_Apache\_F\_8\_3003923131\_MHK\_08012023\_20230801074957.pdf  
General\_Requirement\_PxA\_20230801074947.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: SHAW-MARIE FORD      Signed on: JUL 31, 2023 03:17 PM  
Name: DJR OPERATING LLC  
Title: Regulatory Specialist  
Street Address: 1 Road 3263  
City: Aztec      State: NM  
Phone: (505) 632-3476  
Email address: sford@djrlc.com

Field

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

BLM Point of Contact

BLM POC Name: MATTHEW H KADE	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647736	BLM POC Email Address: MKADE@BLM.GOV
Disposition: Approved	Disposition Date: 08/01/2023
Signature: Matthew Kade	

**Plug and Abandonment Procedure  
DJR Operating, LLC  
AXI Apache F 8  
API # 30-039-23131  
SW/SW, Unit M, Sec. 11, T23N, R5W  
Rio Arriba County, NM**

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.
2. MIRU P&A rig and equipment.
3. Check and record tubing, casing and bradenhead pressures.
4. Remove existing piping from casing valve, RU blow lines from casing valves and blow down casing pressure. Kill well as necessary. Ensure that well is dead or on a vacuum.
5. ND WH, NU BOP, function test BOP.
6. PU workstring, TIH with workstring to 2270'.
7. Plug 1. Mix and pump a blind plug of 6 sx from 2270'.
8. Pull up to 2000'. WOC.
9. TIH, tag Plug 1.
10. Load and roll hole with water. Pressure test 3 ½" casing.
11. TOOH, stand back workstring.
12. MIRU WL, run CBL from TOC to surface. Electronic copy of CBL to be sent to; Ken Rennick [krennick@blm.gov](mailto:krennick@blm.gov), Monica Kuehling [monica.kuehling@state.nm.us](mailto:monica.kuehling@state.nm.us), Loren Diede [ldiede@djrlc.com](mailto:ldiede@djrlc.com), and [slindsay@djrlc.com](mailto:slindsay@djrlc.com).
13. Plug 2. Fruitland, Kirtland, Ojo Alamo and Nacimiento to surface: Mix and spot a series of 4 balanced plugs from TOC (Plug 1) to surface with approximately 92 sx cement. (Mix and spot a series of 4 continuous plugs. Pull and LD workstring as needed between each plug placement.)
14. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement as necessary. Install subsurface P&A marker as per regulatory requirements. Record GPS coordinates for P&A marker and the final P&A Report. Photograph the P&A marker and attach to the report.

15. RD and MO all rig and cement equipment. Assure that location is free of trash before moving off.

16. Send all reports and attachments to DJR Aztec office for regulatory filings.

**Note: All cement is to be Class G mixed at 15.8 ppg, yield 1.15 cu ft / sx. Cement volumes are based on inside capacities +50' excess and outside capacities + 100% excess. Outside plugs will be determined once new CBL has been run.**

**DJR Operating, LLC**  
**Current Wellbore Diagram**  
**AXI Apache F 8**  
**API # 30-039-23131**  
**SW/SW, Unit M, Sec 11, T23N, R5W**  
**Rio Arriba County, NM**

**GL 6784'**  
**KB 6796'**  
**Spud Date 12/21/1982**

SURF CSG

Hole size 12.25"  
 Csg Size: 8.625"  
 Wt: 24#  
 Grade: J-55  
 ID: 8.097"  
 Depth 320'  
 casing cap ft<sup>3</sup>/ft: 0.3575  
 TOC: Circulated 85

FORMATION TOPS

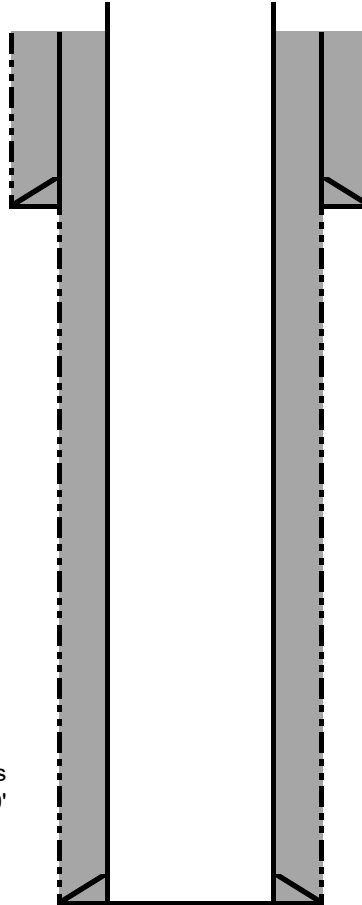
San Jose	Surface
Nacimiento	N/A
Ojo Alamo	1750'
Kirtland	1901'
Fruitland	2071'
Pictured Cliffs	2241'

PROD CSG

Hole size 7.875"  
 Csg Size: 3.5"  
 Wt: 9.3#  
 Grade: J-55  
 ID: 2.992"  
 Depth 2399'  
 Casing cap ft<sup>3</sup>/ft: 0.04883  
 Csg/csg Ann. ft<sup>3</sup>/ft 0.2908  
 Csg/OH ft<sup>3</sup>/ft 0.2714  
 TOC: Circ 50 sx to surf

Pictured Cliffs perms  
 2256-2269'

PBTD 2330'  
 TD 2400'



**DJR Operating, LLC**  
**Proposed P&A Plugs**  
**AXI Apache F 8**  
**API # 30-039-23131**  
**SW/SW, Unit M, Sec 11, T23N, R5W**  
**Rio Arriba County, NM**

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**FORMATION TOPS**

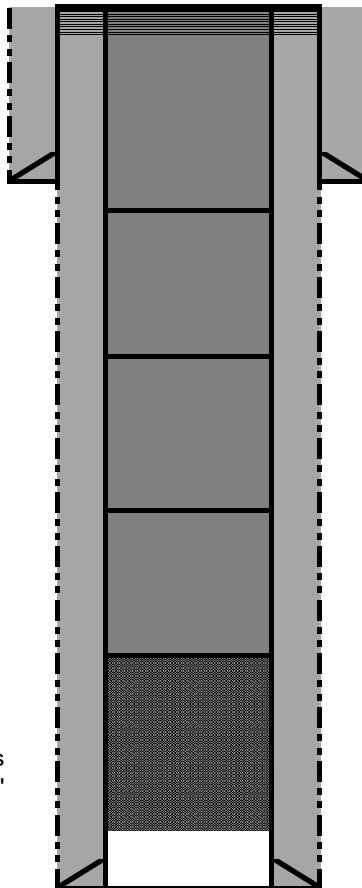
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Pictured Cliffs perms  
 2256-2269'

PBTB 2330'  
 TD 2400'



**Plug 3: Top off plug. Cut off WH, top off casings and cellar as needed. Install P&A marker.**

**Plug 2: Fruitland, Kirtland, Ojo Alamo and Nacimiento to surface: Mix and place cement from TOC (Plug 1) to surface with a series of 4 continuous plugs. Pulling tubing out of hole as needed between each plug placement.**

**Run CBL from TOC (Plug 1 to surface)**  
**TIH, tag Plug 1.**

**Plug 1: Pictured Cliffs: Mix and pump blind plug of 8 sx down workstring from 2291'. Pull uphole, WOC.**

7/31/2023

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

AFMSS 2 Sundry ID 2743595

Conditions of Approval to Notice of Intention to Plug and Abandon

Well: AXI Apache F 8 (API#30-039-23131)

**Plan involves filling full wellbore up with cement, no BLM geology report was done.**

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 at (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.

M. Kade 08/01/2023

**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 H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) 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) and 43 CFR 3172.12(a)(10). 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.

**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 246762

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 246762
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD 8/2/23. BLM approved P&A 8/1/23	8/2/2023