

Well Name: JICARILLA APACHE F	Well Location: T25N / R5W / SEC 17 / NWSE / 36.397341 / -107.379866	County or Parish/State: RIO ARRIBA / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC149	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003906008	Well Status: Producing Gas Well	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2695463

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 09/29/2022

Time Sundry Submitted: 10:57

Date proposed operation will begin: 09/29/2022

Procedure Description: DJR Operating, LLC requests permission to Plug & Abandon the subject well according to the attached Procedure, Current/Proposed Wellbore Diagram. Reclamation Plan received BLM approval on 07/27/22.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

NOI_PA_BLM_Submittal_20220929104608.pdf

Well Name: JICARILLA APACHE F	Well Location: T25N / R5W / SEC 17 / NWSE / 36.397341 / -107.379866	County or Parish/State: RIO ARRIBA / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC149	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003906008	Well Status: Producing Gas Well	Operator: DJR OPERATING LLC

Conditions of Approval

Specialist Review

General_Requirement_PxA_20220930095917.pdf

25N5W17_Jicarilla_Apache_F_1_Geo_KGR_20220930095857.pdf

2695463_NOIA_1_3003906008_KR_09302022_20220930095742.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: SEP 29, 2022 10:46 AM
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: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Approved	Disposition Date: 09/30/2022
Signature: Kenneth Rennick	

**DJR Operating, LLC
Plug and Abandonment Procedure
Jicarilla Apache F 1
API 30-039-06008
NW/SE, Unit J, Sec. 17, T25N, R5W
Rio Arriba County, NM**

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.
2. MIRU.
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. Trip out of hole with 2-3/8" tubing. LD tubing to be sent in for storage/salvage.
7. RU air unit and power swivel, pump, and pit. TIH with wash pipe and mill shoe and mill up packer slips on Baker Model D at 3500'. Retrieve packer on packer plucker and TOOH.
8. TIH with junk mill or 3-blade mill to 3720' and mill up 10' of cement and CIBP. Push junk to bottom. TOOH.
9. Plug 1 (Top of original Dakota cement plug, upper perfs, and top): Spot blind plug from near top of milled-up CIBP to 7002'. Pump water to ensure tubing is clear. WOC. Tag TOC.
10. Plug 2 (Gallup top): Spot balanced plug from 6284-6184'. Pump water to ensure tubing is clear. WOC. Tag TOC.
11. Plug 3 (Mancos top): Spot balanced plug from 5146-5046'. Pump water to ensure tubing is clear. WOC. Tag TOC.
12. Plug 4 (Mesa Verde): Spot balanced plug from 4410-4310'. Pump water to ensure tubing is clear. WOC. Tag TOC.
13. Plug 5 (Chacra perfs and top): Spot balanced plug from 3638-3520'. Pump water to ensure tubing is clear. WOC. Tag TOC.
14. Plug 6 (7.625" casing shoe, liner top, and Pictured Cliffs perfs and top): Spot balanced plug from 2929-2668'. Pump water to ensure tubing is clear. WOC. Tag TOC.

15. RIH with wireline and run GR/CCL/CBL from 2668' to surface. Electronic copy of CBL to be sent to: Ken Rennick krennick@blm.gov, Monica Kuehling mkuehling@state.nm.gov, Loren Diede DJR, ldiede@djrlc.com, and Scott Lindsay, DJR, slindsay@djrlc.com.
16. Plug 7 (Fruitland, Kirtland, and Ojo Alamo): Spot balanced plug from 2575-1933'. Pump water to ensure tubing is clear.
17. Plug 8 (Nacimiento): Spot balanced plug from 780-680'. Pump water to ensure tubing is clear.
18. Plug 9 (Surface casing shoe and surface plug): Perf holes at 257'. Attempt to establish rate. Mix and pump sufficient volume to bring TOC to surface, inside and outside.
19. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement as necessary. **Install SURFACE P&A marker as per BIA requirements.** Record GPS coordinates for P&A marker and the Final P&A Report. Photograph the P&A marker and attach to the report.
20. RD and MO all rig and cement equipment. Assure that location is free of trash before moving off.
21. 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. PxA marker is to be 12" x 18" with rounded corners, and installed below grade, no deeper than 2'.

Current Wellbore Diagram

DJR Operating, LLC

Jicarilla Apache F 1

API # 30-039-06008

NW/SE, Unit J, Sec 17 T25N, R5W

Rio Arriba County, NM

GL 6612'
 KB 6623'
 Spud Date 4/20/1956

SURF CSG

Hole size 15"
 Csg Size: 10.75"
 Wt: 32.7#
 Grade: H-40
 ID: 10.192"
 Depth 207'
 Csg cap ft³: 0.5665
 TOC: Surf

FORMATION TOPS

San Jose	Surface
Nacimiento	730'
Ojo Alamo	1983'
Kirtland	2310'
Fruitland	2525'
Pictured Cliffs	2718'
Chacra	3570'
Mesa Verde	4360'
Mancos	5096'
Gallup	6234'
Dakota	7052'

INTERMEDIATE

Hole size 9.875"
 Csg Size: 7.625"
 Wt: 26.4#
 Grade: N-80/S-95
 ID: 6.969"
 Depth 2879'
 Csg cap ft³: 0.2648
 Csg/Csg Ann ft³: 0.2495
 Csg/OH cap ft³: 0.2148
 TOC: (TS) 580'

Liner

Hole size 6.75"
 Csg Size: 5.00"
 Wt: 15.0#
 Grade: N/A
 ID: 4.408"
 Depth 2812-7316'
 Csg cap ft³: 0.1059
 Csg/OH cap ft³: 0.1122
 TOC: (TS) 3810'

Possible Baker Model D at 3500'

10' cement plug
 CIBP set at 3730'
 TOC: 3810' (TS)

Dakota Perfs: 7164-89'
 CICR set at 7192'

Abandoned Dakota Perfs: 7200-10'

TD 7330'

TOC Circ to surface

Tubing Detail:

2-3/8" landed in possible Baker
 Model D at 3500'.

Rod Detail:

None

TOC: 580' (TS)

PC Perfs: 2725-88'

5" Liner top at 2812'

7.625" Casing shoe at 2879'

Chacra perfs: 3588-3705'
 Perfed at 3740' and sqz'd
 liner with 750 sx.

Proposed Wellbore Diagram

DJR Operating, LLC

Jicarilla Apache F 1

API # 30-039-06008

NW/SE, Unit J, Sec 17 T25N, R5W

Rio Arriba County, NM

GL 6612'

KB 6623'

Spud Date 4/20/1956

SURF CSG

Hole size 15"
 Csg Size: 10.75"
 Wt: 32.7#
 Grade: H-40
 ID: 10.192"
 Depth 207'
 Csg cap ft3: 0.5665
 TOC: Surf

FORMATION TOPS

San Jose	Surface
Nacimiento	730'
Ojo Alamo	1983'
Kirtland	2310'
Fruitland	2525'
Pictured Cliffs	2718'
Chacra	3570'
Mesa Verde	4360'
Mancos	5096'
Gallup	6234'
Dakota	7052'

INTERMEDIATE

Hole size 9.875"
 Csg Size: 7.625"
 Wt: 26.4#
 Grade: N-80/S-95
 ID: 6.969"
 Depth 2879'
 Csg cap ft3: 0.2648
 Csg/Csg Ann ft3: 0.2495
 Csg/OH cap ft3: 0.2148
 TOC: (TS) 580'

Liner

Hole size 6.75"
 Csg Size: 5.00"
 Wt: 15.0#
 Grade: N/A
 ID: 4.408"
 Depth 2812-7316'
 Csg cap ft3: 0.1059
 Csg/OH cap ft3: 0.1122
 TOC: (TS) 3810'

Chacra perms: 3588-3705'

TOC: 3810' (TS)

Dakota Perfs: 7164-89'

CICR set at 7192'

Abandoned Dakota Perfs: 7200-10'

TD 7330'

TOC Circ to surface

Plug 9 (Surface shoe and plug): Perf holes at 257'. Mix and pump sufficient volume to bring TOC to surface, inside and outside.

TOC: 580' (TS)

Plug 8 (Nacimiento): Spot balanced plug from 780-680'.

Plug 7 (Fruitland, Kirtland, and Ojo Alamo): Spot balanced plug from 2575-1933'.

PC Perfs: 2725-88'

Plug 6 (7.625" casing shoe, liner top, and Pictured Cliffs): Spot balanced plug from 2929-2668'. Run CBL.

Plug 5 (Chacra perms and top): Spot balanced plug from 3638-3520'.

Plug 4 (Mesa Verde): Spot balanced plug from 4410-4310'.

Plug 3 (Mancos): Spot balanced plug from 5146-5046'.

Plug 2 (Gallup): Spot balanced plug from 6284-6184'.

Plug 1 (Dakota perms and top): Spot cement on top of CR to 7002'.

All cement volumes will include 50' excess inside casing and 100% excess outside casing.

**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.

(October 2012 Revision)

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

AFMSS 2 Sundry ID 2695463

Attachment to notice of Intention to Abandon

Well: Jicarilla Apache F 1

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.

K. Rennick 9/30/2022

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 09/30/2022

Well No. Jicarilla Apache F 1 (API# 30-039-06008)	Location	NWSE			
Lease No. JIC149	Sec. 17	T25N			R5W
Operator DJR Operating, LLC	County	Rio Arriba	State		New Mexico
Total Depth 7330'	PBTD NA	Formation	Dakato, Chacra, & Pictured Cliffs		
Elevation (GL) 6612'		Elevation (KB)	6623'		

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/freshwater sands
Nacimiento Fm			730		Possible freshwater sands
Ojo Alamo Ss			1983		Aquifer (possible freshwater)
Kirtland Shale			2310		
Fruitland Fm			2525		Coal/Gas/Possible water
Pictured Cliffs Ss			2718		Gas
Lewis Shale					
Chacra			3570		Gas
Cliff House Ss			4360		Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale			5096		
Gallup			6234		O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss			7052		O&G/Water

Remarks:

P & A

Reference Well:

- Dakota perforations 7164 – 7189'. Chacra perforations 3588 – 3705'. Pictured Cliffs 2725-2788'.

Prepared by: Kenneth Rennick

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 147810

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 147810
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	10/5/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	10/5/2022
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	10/5/2022