

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

**Well Name:** JICARILLA

**Well Location:** T24N / R5W / SEC 4 /  
SEW / 36.3440353 / -107.3685452

**County or Parish/State:** RIO  
ARRIBA / NM

**Well Number:** 1R

**Type of Well:** CONVENTIONAL GAS  
WELL

**Allottee or Tribe Name:**  
JICARILLA APACHE

**Lease Number:** JIC10

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 3003925797

**Well Status:** Producing Gas Well

**Operator:** DJR OPERATING LLC

### Notice of Intent

**Sundry ID:** 2767693

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 01/02/2024

**Time Sundry Submitted:** 09:50

**Date proposed operation will begin:** 01/02/2024

**Procedure Description:** This request is being submitted for engineering & geological review prior to onsite inspection as approved by Dave M. of the BLM. 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\_PA\_BLM\_Submittal\_20240102095013.pdf

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Operator: DJR OPERATING LLC

### Conditions of Approval

#### Specialist Review

General\_Requirement\_PxA\_20240103145955.pdf

2767693\_NOIA\_1R\_3003925797\_KR\_01032024\_20240103145945.pdf

24N05W04\_Jicarilla\_1R\_Geo\_KR\_20240103145940.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: JAN 02, 2024 09:50 AM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 ROAD 3263

City: AZTEC

State: NM

Phone: (505) 632-3476

Email address: SFORD@DJRLLC.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: 01/03/2024

Signature: Kenneth Rennick

**Plug and Abandonment Procedure  
for  
DJR Operating, LLC  
Jicarilla 1R  
API # 30-039-25797  
SE/NW, Unit F, Sec. 4, T24N, 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. Set tubing stop. 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. PU workstring, TIH with bit and scraper, make sure that the bit and scraper will go below 7000'. TOOH.
8. Plug 1. Dakota perms: RU cement equipment. PU and TIH with a 5 1/2" cement retainer. Set the CR near 7000'. Pressure test tubing to 1000 psi. Sting out of CR. Roll hole. Pressure test casing to 600 psi. Sting back into CR and attempt to squeeze below CR with 10 sx. Pump water to ensure tubing is clear. TOOH.
9. Plug 2. Dakota top: Mix and spot blind plug from top of CR to 6966'. Pump water to ensure tubing is clear.
10. Plug 3. Gallup: Mix and pump balanced plug from 6025-5925'. Pump water to ensure tubing is clear.
11. Plug 4. Mancos: Mix and pump balanced plug from 5084-4984'. Pump water to ensure tubing is clear.
12. Plug 5. Mesa Verde: Mix and pump balanced plug from 4277-4177'. Pump water to ensure tubing is clear.

13. Plug 6. Chacra: Mix and pump balanced plug from 3550-3450'. Pump water to ensure tubing is clear.
14. Plug 7. Pictured Cliffs and Fruitland: Mix and pump balanced plug from 2715-2464'. Pump water to ensure tubing is clear.
15. Plug 8: Kirtland, and Ojo Alamo: Mix and pump a balanced plug from 2361-2138'. Pump water to ensure that tubing is clear.
16. Plug 9. Nacimiento: Mix and pump a balanced plug from 806-706'. Pump water to ensure that tubing is clear.
17. Plug 10. Surface casing shoe and surface plug: Mix and spot plug from 410' to surface.
18. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement as necessary. **Install 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.
19. RD and MO all rig and cement equipment. Assure that location is free of trash before moving off.
20. 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 12"x18" with rounded corners and installed below grade no deeper than 2'.**

**Current Wellbore Diagram  
DJR Operating, LLC  
Jicarilla 1R**

API # 30-039-25797  
SE/NW, Unit F, Sec 4, T24N, R5W  
Rio Arriba County, NM

GL            6760'  
KB            6772'  
Spud Date    3/21/1998

**SURF CSG**

Hole size        12.25"  
Csg Size:        8.625"  
Wt:                24#  
Grade:            K-55  
ID:                8.097"  
Depth            360'  
Csg cap ft<sup>3</sup>:    0.3576  
TOC:              Surf

**FORMATION TOPS**

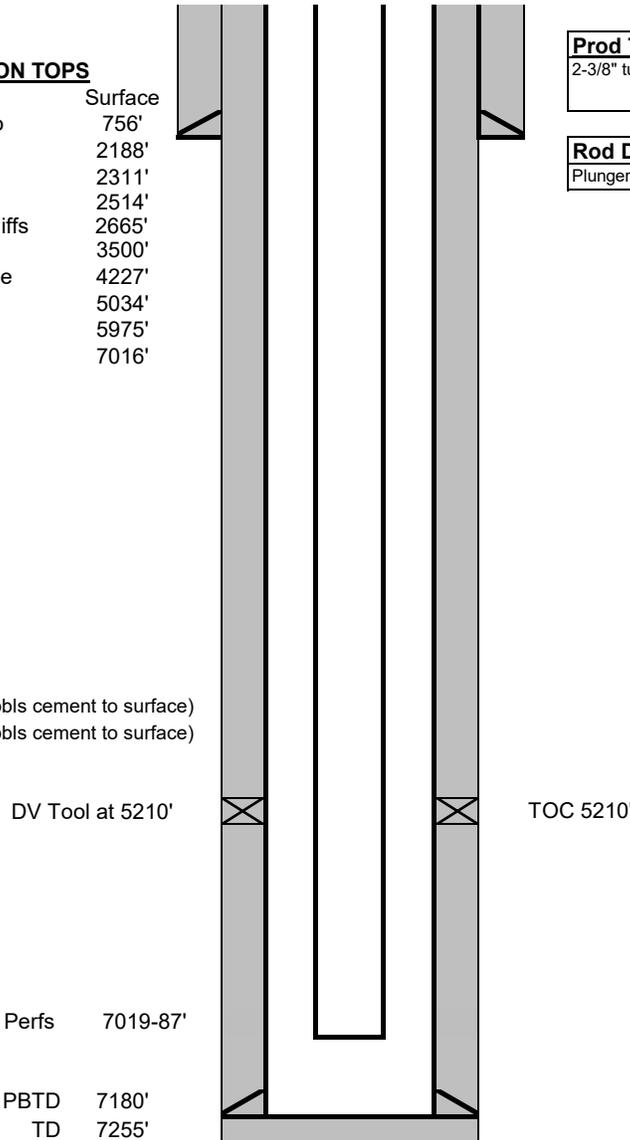
San Jose	Surface
Nacimiento	756'
Ojo Alamo	2188'
Kirtland	2311'
Fruitland	2514'
Pictured Cliffs	2665'
Chacra	3500'
Mesa Verde	4227'
Mancos	5034'
Gallup	5975'
Dakota	7016'

**PROD CSG**

Hole size        7.875"  
Csg Size:        5.5"  
Wt:                17#  
Grade:            J-55  
ID:                4.892"  
Depth            7254'  
Csg cap ft<sup>3</sup>:    0.1305  
Csg/Csg Ann ft<sup>3</sup>: 0.1926  
Csg/OH cap ft<sup>3</sup>: 0.1733  
TOC: Stg 1 (DV)    5210' (Circulated 60 bbls cement to surface)  
TOC: Stg 2 (Circ.) Surface (Circulated 50 bbls cement to surface)

<b>Prod Tubing Detail:</b>
2-3/8" tubing landed at 7030'. SN at 7029'.

<b>Rod Detail</b>
Plunger well



**Proposed PxA Wellbore  
DJR Operating, LLC  
Jicarilla 1R  
API # 30-039-25797  
SE/NW, Unit F, Sec 4, T24N, R5W  
Rio Arriba County, NM**

GL            6760'  
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Csg Size:            8.625"  
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Depth                360'  
Csg cap ft3:        0.3576  
TOC:                 Surf

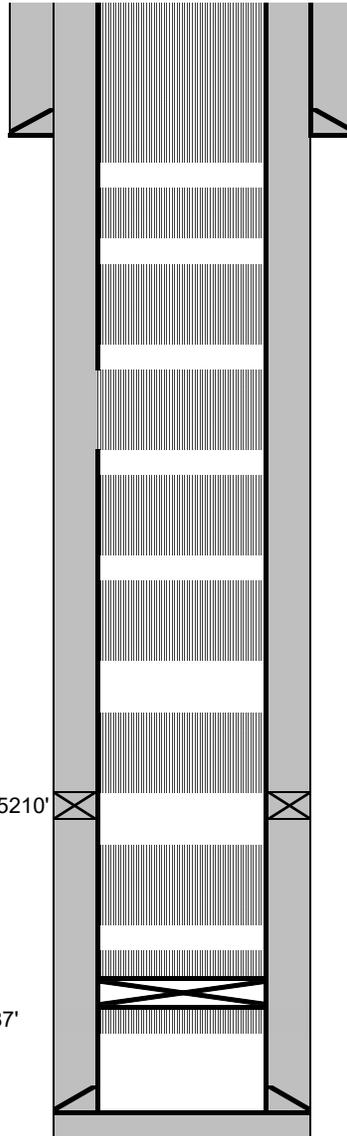
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Csg/OH cap ft3:    0.1733  
TOC: Stg 1 (DV)    5210'  
TOC: Stg 2 (Circ.) Surface

Perfs            7019-87'  
  
PBDT            7180'  
TD                7255'



Plug 10: Surface casing shoe and surface plug: Spot plug from 410' to surface.

Plug 9: Nacimiento: Spot balanced plug from 806-706'.

Plug 8: Kirtland and Ojo Alamo: Spot balanced plug from 2361-2138'.

Plug 7: Pictured Cliffs and Fruitland: Spot balanced plug from 2715-2464'.

Plug 6: Chacra: Spot balanced plug from 3550-3450'.

Plug 5: Mesa Verde: Spot balanced plug from 4277-4177'.

Plug 4: Mancos: Spot balanced plug from 5084-4984'.

Plug 3: Gallup: Spot balanced plug from 6025-5925'.

Plug 2: Dakota top: Spot cement from CR to 6966'.

Plug 1: Dakota perfs: Set CR near 7000'. Squeeze 10 sx cement through CR into Dakota perfs.

**NOTE: Inside plugs will include 50' excess cement, and outside plugs will include 100% excess cement.**

**BLM FLUID MINERALS  
P&A Geologic Report**

**Date Completed:** 01/03/2024

Well No. Jicarilla 1R (API 30-039-25797)		Location					
Lease No. JIC10		Sec. 4	T. 24N		R 5W		
Operator DJR Operating LLC		County	Rio Arriba		State	New Mexico	
Total Depth	7255' (TD)	7180' (PB)	Formation Dakota				
Elevation (GL) 6760'							

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/freshwater sands
Nacimiento Fm	756				Possible freshwater sands
Ojo Alamo Ss	2188				Aquifer (possible freshwater)
Kirtland Shale	2311				
Fruitland Fm	2514				Coal/Gas/Possible water
Pictured Cliffs Ss	2665				Gas
Lewis Shale					
Chacra	3500				Gas
Cliff House Ss	4227				Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale	5034				
Gallup	5975				O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss	7016				O&G/Water

Remarks:  
P & A

-- Available raster logs are illegible. Could not determine formation top locations. The raster logs available from the reference well supports the tops estimated by the operator.

Reference Well:  
Jicarilla B 23  
US Well No. 30-039-22967  
Lot 9 Sec. 5 R. 24N T. 5W

**Prepared by: Kenneth Rennick**

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

AFMSS 2 Sundry ID 2767693

Attachment to notice of Intention to Abandon

Well: Jicarilla 1R

**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 01/03/2024

**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). 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 300314

**CONDITIONS**

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 300314
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
mkuehling	for record only	1/5/2024