

Well Name: JIC APACHE A	Well Location: T25N / R5W / SEC 36 / NWNW /	County or Parish/State: RIO ARRIBA / NM
Well Number: 9	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC9	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003921235	Well Status: Active	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2679649

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 06/29/2022	Time Sundry Submitted: 11:48
Date proposed operation will begin: 06/29/2022	

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_Rev1_20220722105402.pdf

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US Well Number: 3003921235	Well Status: Active	Operator: DJR OPERATING LLC

Conditions of Approval

Additional

General_Requirement_PxA_20220725182511.pdf
2679649_NOIA_A_9_3003921235_KR_07252022_20220725182453.pdf
Jicarilla_Apache_A___9_Geo_Rpt_20220721092149.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 22, 2022 10:54 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: 07/25/2022
Signature: Kenneth Rennick	

Plug and Abandonment Procedure
for
DJR Operating, LLC
Jicarilla Apache A 9
API 30-039-21235
NW/NW, Unit D, Sec. 36, 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 1-1/2" IJ tubing. LD tubing to be sent in for storage/salvage.
7. RU Pump, pit, and power swivel. PU 3-blade mill and 4x3-1/8" drill collars on workstring. TIH to 3945', mill up CIBP and push to at least 7360', if possible. TOOH.
8. Plug 1: Dakota: Set CR near 7280'. Attempt to squeeze 10 sx below CR, and bring TOC to 7249' on top of CR. Pump water to ensure tubing is clear. TOOH.
9. Plug 2: Gallup top: Set CR near 6350'. Attempt to squeeze 10 sx below CR, and bring TOC to 6259' on top of CR. Pump water to ensure tubing is clear. TOOH.
10. Plug 3: Mancos top: Spot balanced plug from 5395-5295'. Pump water to ensure tubing is clear.
11. Plug 4: Mesa Verde: Perforate holes at 4707'. Set CR near 4657'. Mix and pump sufficient volume to bring TOC to 4607', inside and outside. Pump water to ensure tubing is clear.

12. Plug 5: Chacra: Set CR near 3820'. Sting out of CR. Roll hole. Pressure test casing to 600 psi. Sting back into CR and attempt to squeeze 10 sx below CR and bring TOC to 3767' on top. Pump water to ensure tubing is clear.
13. Plug 6: Pictured Cliffs, Fruitland, and Kirtland: Perf holes at 3019'. Mix and pump sufficient volume to bring TOC to 2584', inside and outside. Pump water to ensure tubing is clear.
14. Plug 7: Ojo Alamo: Perf holes at 2023'. Set CR near 1973'. Mix and pump sufficient volume to bring TOC to 1923', inside and outside. Pump water to ensure tubing is clear.
15. Plug 8: Nacimiento: Perf holes at 730'. Set CR near 680'. Mix and pump sufficient volume to bring TOC to 630', inside and outside. Pump water to ensure tubing is clear.
16. Plug 9: Surface casing shoe and plug: Perf holes at 424'. Tie onto 5-1/2" casing. Mix and pump sufficient volume to bring TOC to surface, inside and outside.
17. 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.
18. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
19. Send all reports and attachments to DJR Aztec office for regulatory filings.

Please note: Plugs are shown covering 100', per "GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES, FARMINGTON FIELD OFFICE, and will also include the excess cement as stipulated in the same document, and as specified below:

Note: All cement is to be Class G mixed at 15.8 ppg, yield 1.15 cu ft / sx. Cement volumes are to be based on inside capacities + 50' excess and outside capacities + 100% excess.

PxA marker is to be 12"x18" with rounded corners and installed below grade no deeper than 2'.

Current Wellbore Diagram

DJR Operating, LLC

Jicarilla Apache A 9

API # 30-039-21235

NW/NW, Unit D, Sec 36, T25N, R5W

Rio Arriba County, NM

GL 6877'
 KB 6891'
 Spud Date 10/5/1976

SURF CSG

Hole size 13.75"
 Csg Size: 9.625"
 Wt: 32.3#
 Grade: H-40
 ID: 9.001"
 Depth 374'
 Csg cap ft³: 0.4419
 TOC: Surface

FORMATION TOPS

Nacimiento 680'
 Ojo Alamo 1973'
 Kirtland 2634'
 Fruitland 2802'
 Pictured Cliffs 2969'
 Chacra 3817'
 Mesa Verde 4657'
 Mancos 5345'
 Gallup 6309'
 Dakota 7299'

Prod Tubing Detail:

117 jts. 1-1/2" IJ

PROD CSG

Hole size 7.875"
 Csg Size: 5.5"
 Wt: 15.5#
 Grade: K-55
 ID: 4.950"
 Depth 7498'
 Csg cap ft³: 0.1336
 Csg/Csq Ann ft³: 0.2769
 Csg/OH cap ft³: 0.1733
 TOC: Stg 1 (CBL) 6300'
 TOC: Stg 2 (CBL) 5212'
 TOC: Stg 3 (CBL) N/A

Chacra perms 3838-59'

TOC N/A after 100 sx squeeze
 CIBP 3945'

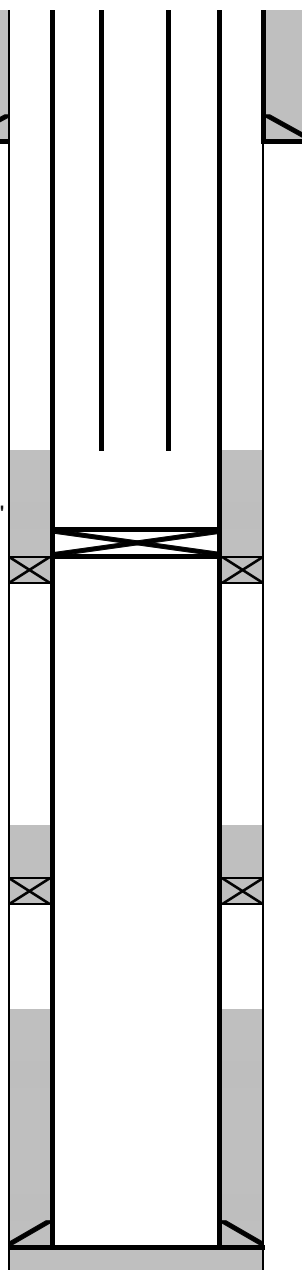
DV Tool at 4111'

TOC ~5212'
 DV Tool at 5501'

TOC ~6300'

Gallup perms 6380-6400'

Dakota perms 7302-7353'
 Original PBTD 7440'
 TD 7500'



Proposed Wellbore Diagram
DJR Operating, LLC
Jicarilla Apache A 9
 API # 30-039-21235
 NW/NW, Unit D, Sec 36, T25N, R5W
 Rio Arriba County, NM

GL 6877'
 KB 6891'
 Spud Date 10/5/1976

SURF CSG

Hole size 13.75"
 Csg Size: 9.625"
 Wt: 32.3#
 Grade: H-40
 ID: 9.001"
 Depth 374'
 Csg cap ft3: 0.4419
 TOC: Surface

FORMATION TOPS

Nacimiento	680'
Ojo Alamo	1973'
Kirtland	2634'
Fruitland	2802'
Pictured Cliffs	2969'
Chacra	3817'
Mesa Verde	4657'
Mancos	5345'
Gallup	6309'
Dakota	7299'

PROD CSG

Hole size 7.875"
 Csg Size: 5.5"
 Wt: 15.5#
 Grade: K-55
 ID: 4.950"
 Depth 7498'
 Csg cap ft3: 0.1336
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 TOC: Stg 1 (CBL) 6300'
 TOC: Stg 2 (CBL) 5212'
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TOC N/A after 100 sx squeeze
 Chacra perms 3838-59'

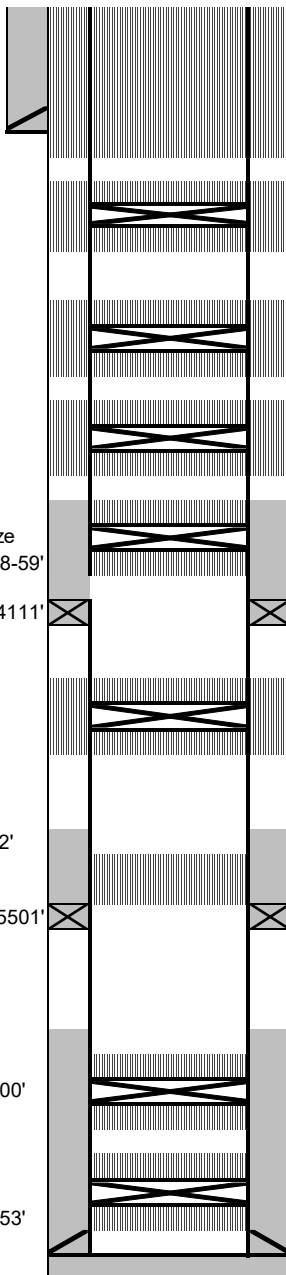
DV Tool at 4111'

TOC ~5212'

DV Tool at 5501'

Gallup perms 6380-6400'

Dakota perms 7302-7353'
 Original PBTD 7440'
 TD 7500'



Plug 9: Surface casing shoe and plug: Perf holes at 424'. Tie onto 5-1/2" casing. Mix and pump sufficient volume to bring TOC to surface, inside and outside.

Plug 8: Nacimiento: Perf holes at 730'. Set CR near 680'. Mix and pump sufficient volume to bring TOC to 630', inside and outside.

Plug 7: Ojo Alamo: Perf holes at 2023'. Set CR near 1973'. Mix and pump sufficient volume to bring TOC to 1923', inside and outside.

Plug 6: Pictured Cliffs, Fruitland, and Kirtland: Perf holes at 3019'. Set CR near 2969'. Mix and pump sufficient volume to bring TOC to 2584', inside and outside.

Plug 5: Chacra: Set CR near 3820'. Attempt to squeeze 10 sx below CR, and bring TOC to 3767' on top.

Plug 4: Mesa Verde: Perf holes at 4707'. Set CR near 4657'. Mix and pump sufficient volume to bring TOC to 4607', inside and outside.

Plug 3: Mancos: Spot balanced plug from 5395-5295'.

TOC ~6300'

Plug 2: Gallup: Set CR near 6350'. Squeeze 10 sx below CR, and bring TOC to 6259' on top.

Plug 1: DK: Set CR near 7280'. Squeeze 10 sx below CR, and bring TOC to 7249' on top.

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

AFMSS 2 Sundry ID 2679649

Attachment to notice of Intention to Abandon

Well: JIC Apache A 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. The following modifications to your plugging program are to be made:
 - a. Bring the Plug 1 (Dakota) TOC to a minimum of 50' above the CR.
 - b. Bring the Plug 3 (Mancos) TOC to 5245' to account for required excess.
 - c. Place the Plug 4 (Mesa Verde) CR at 4560' and bring the TOC to 4360' to account for the BLM top and required excess.
 - d. Place the Plug 5 (Chacra) CR between 3788 and 3808' and bring the TOC to a minimum of 50' above the CR.
 - e. Mix and pump Plug 7 (Nacimiento) for a TOC of 580' to account for required excess.

Note: The issues with Plug 6 as highlighted in the Geology has been resolved with a sundry resubmission on July 25, 2022.

3. 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 7/25/2022

**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.

(October 2012 Revision)

BLM - FFO - Geologic Report**Date Completed**

7/21/2022

Well No. Jicarilla Apache A # 9 Surf. Loc. 890 FNL 890 FWL
Sec. 36 T25N R5W

Lease No. Jic 9
Operator DJR Operating LLC County Rio Arriba State New Mexico
TVD 7500 PBTD 3945 Formations Dakota, Gallup, Chacra
Elevation GL 6877 Elevation Est. KB 6891

Geologic Formations	Est. tops	Subsea Elev.	Remarks
San Jose	Surface		Surface
Nacimiento Fm.	680	6211	Fresh water sands
Ojo Alamo Ss	2452	4439	Aquifer (fresh water)
Kirtland Fm.	2634	4257	
Fruitland Fm.	2802	4089	Coal/gas/possible water
Pictured Cliffs Ss	2969	3922	Probable water
Lewis Shale	3028	3863	
Huerfanito Bentonite	3350	3541	Reference bed
Chacra (Upper)	3460	3431	Probable water or dry
Lewis Shale Stringer	3620	3271	
Chacra (Lower)	3817	3074	Probable water or dry
Lewis Shale Stringer	4110	2781	
Cliff House	4560	2331	Probable water or gas
Menefee	4605	2286	Coal/ss/water/possible gas
Point Lookout Fm.	5160	1731	Water
Mancos Shale	5345	1546	Source Rock
Tocito SS	5980	911	O&G
Gallup	6309	582	O&G
Gallup (bottom)	6640	251	O&G
Mancos Stringer	6640	251	
Juana Lopez	6780	111	
Mancos Stringer	6910	-19	
Greenhorn	7040	-149	
Graneros	7170	-279	
Dakota Ss	7299	-408	O&G

Remarks:**Reference Wells:**

-Bring the Plug 1 (Dakota) TOC to a minimum of 50' above the CR.
 -Bring the Plug 3 (Mancos) TOC to 5245' to account for required excess.
 -Place the Plug 4 (Mesa Verde) CR at 4560' and bring the TOC to 4360' to account for the BLM top and required excess.
 -Place the Plug 5 (Chacra) CR between 3788 and 3808' and bring the TOC to a minimum of 50' above the CR.
 -Plug 6 (PC - Ojo Alamo) is not acceptable. Usually each separate formation is covered with a single inside/outside plug. Four is too many. Reconfigure this plug and resubmit. In addition the Ojo Alamo must be completely covered from a minimum of 50' below the formation bottom to a minimum of 100' above the top.
 -Mix and pump Plug 7 (Nacimiento) for a TOC of 580' to account for required excess.

Same

Prepared by: Walter Gage

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 128666

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 128666
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	7/28/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	7/28/2022
kpickford	Adhere to BLM approved plugs and COAs. See GEO Report	7/28/2022