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

Sundry Print Report

01/14/2022

Well Name: JIC APACHE I

Well Location: T23N / R3W / SEC 14 / SWSE /

County or Parish/State: RIO ARRIBA / NM

Well Number: 3

Type of Well: OIL WELL

Allottee or Tribe Name: JICARILLA APACHE

Lease Number: JIC167

Unit or CA Name:

Unit or CA Number:

US Well Number: 3003921214

Well Status: Oil Well Shut In

Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2651282

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 01/05/2022

Time Sundry Submitted: 02:24

Date proposed operation will begin: 01/05/2022

Procedure Description: DJR Operating, LLC requests permission to Plug & Abandon the subject well according to the attached Procedure, Current & Proposed Wellbore Diagram and Reclamation Plan.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Jicarilla_Apache_I_3_Reclamation_Plan_20220105142419.pdf

Jicarilla_Apache_I_3_PA_Procedure_20220105142419.pdf

Jicarilla_Apache_I_3_Proposed_WBD_20220105142418.pdf

Jicarilla_Apache_I_3_Current_WBD_20220105142418.pdf

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Operator: DJR OPERATING LLC

Conditions of Approval

Additional Reviews

2651282_NOIA_I_3_3003921214_KR_01132022_20220113171853.pdf

General_Requirement_PxA_20220113171838.pdf

23N03W14OKd_Jicarilla_Apache_I_3_20220113153543.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: SHAW-MARIE FORD

Signed on: JAN 05, 2022 02:24 PM

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

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: 01/13/2022

Signature: Kenneth Rennick

Plug and Abandonment Procedure

for

DJR Operating, LLC

Jicarilla Apache I 3

API 30-039-21214

SW/SE, Unit O, Sec. 23, T23N, R3W

Rio Arriba County, NM

I.

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.
2. MIRU prep rig.
3. Check and record tubing, casing and bradenhead pressures.
4. Trip and recover plunger.
5. 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.
6. MIRU hot oil unit, pump hot water to clear tubing of paraffin.
7. Unset TAC.
8. ND WH, NU BOP, function test BOP.
9. Set tubing stop as necessary. Trip out of hole with 2 3/8" tubing. LD tubing to be sent in for storage/salvage.
10. RDMO prep rig to next location.

II.

11. MIRU P&A rig and equipment.
12. Plug 1: Lower Mancos perfs: PU workstring. RU cement equipment. Tag TOC. TIH and mix and pump balanced plug from TOC to 7220'. Pump water to ensure tubing is clear. PUH and WOC.

13. Tag TOC. Roll hole with water. Drop standing valve and pressure test tubing to 1000 psi. Test casing to 600 psi. If casing does not test, contact engineering. TOOH.

14. RU and RIH with wireline and run CBL from top of cement as tagged in Step 13 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@djrllc.com, and Scott Lindsay, DJR, slindsay@djrllc.com. P&A procedure may be modified as determined by the casing pressure test and the CBL log.

15. Plug 2. Gallup top: Mix and pump a balanced plug from 6275-6175'. Pump water to ensure tubing is clear.

16. Plug 3: Mancos top: Mix and pump a balanced plug from 5444-5344'. Pump water to ensure tubing is clear.

17. Plug 4. Mesa Verde: Mix and pump a balanced plug from 4716-4616'. Pump water to ensure tubing is clear.

18. Plug 5: Chacra: Mix and pump a balanced plug from 3598-3498'. Pump water to ensure tubing is clear.

19. Plug 6. Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo: Mix and pump a balanced plug from 3170-2643'. Pump water to ensure tubing is clear.

20. Plug 7: Nacimiento: Mix and pump a balanced plug from 1598-1498'. Pump water to ensure that tubing is clear.

21. Plug 8: Surface casing shoe and surface: Mix and pump a balanced plug from 417' to surface across surface casing shoe to surface. Pump water to ensure that tubing is clear. TOOH with workstring.

22. 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.

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

24. 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.

Surface PxA marker is to be installed at surface, 12"x18", and exposed at the reclaimed GL surface.

Current Wellbore Diagram

DJR Operating, LLC

Jicarilla Apache I 3

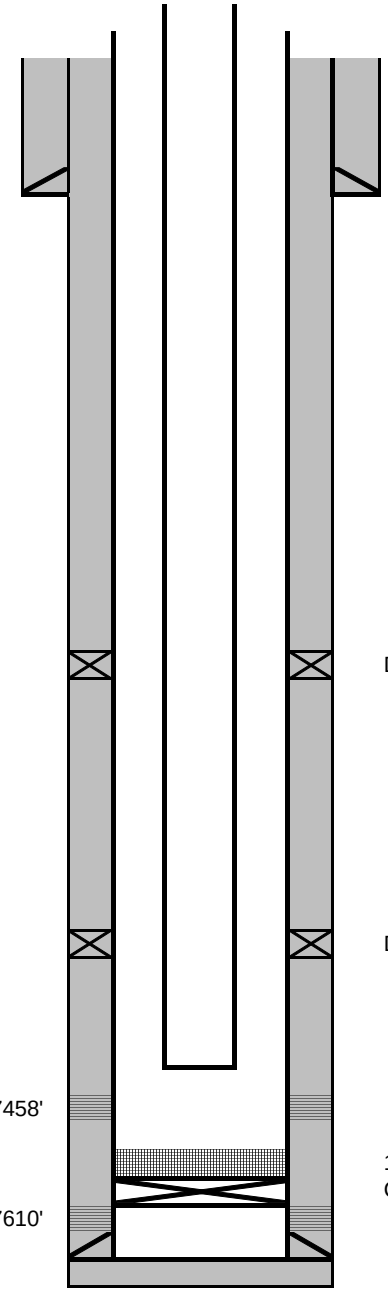
API # 30-039-21214
SW/SE, Unit O, Sec 14, T23N, R3W
Rio Arriba County, NM

GL	**7364'**
KB	**7377'**
Spud Date	**5/14/1976**

SURF CSG	
Hole size	12.25"
Csg Size:	8.625"
Wt:	24#
Grade:	K-55
ID:	8.097"
Depth	367'
Csg cap ft^3:	0.3576
TOC:	Surface

FORMATION TOPS	
Nacimiento	1548'
Ojo Alamo	2693'
Kirtland	2878'
Fruitland	3001'
Pictured Cliffs	3120'
Lewis	3173'
Chacra	3548'
Mesa Verde	4666'
Mancos	5394'
Gallup	6225'
Dakota	7532'

PROD CSG		
Hole size	7.875"	
Csg Size:	5.5"	
Wt:	15.5,17#	
Grade:	K-55	
ID:	4.95/4.892"	
Depth	7758'	
Csg cap ft^3:	0.1336	
Csg/Csg Ann ft^3:	0.1926	
Csg/OH cap ft^3:	0.1733	
TOC: Stg 1 (Calc)	5976'	(162 bbls slurry)
TOC: Stg 2 (Calc)	4045'	(182 bbls slurry)
TOC: Stg 3 (Calc)	Surface	(346 bbls slurry)
(TOC at 50% Efficiency)		



Prod Tubing Detail:
241 jts. 2-3/8" tbg. SN at 7431'. Only well history is from original completion in 1976.

Rod Detail:
1-1/2" pump, 207x3/4" rods, 86x7/8' rods, 8"x7/8" sub, 6'6'x7/8" subs, 1-1/4"x21' polished rod.

DV Tool at 4045'

DV Tool at 5976'

Perfs 7270-7458'

10 sx cement on top
CIBP @ 7550'

PBTD 7550'

Abandoned Perfs 7600-7610'

TD 7770'

Proposed P&A Wellbore Diagram

DJR Operating, LLC

Jicarilla Apache I 3

API # 30-039-21214
SW/SE, Unit O, Sec 14, T23N, R3W
Rio Arriba County, NM

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(TOC at 50% Efficiency)		

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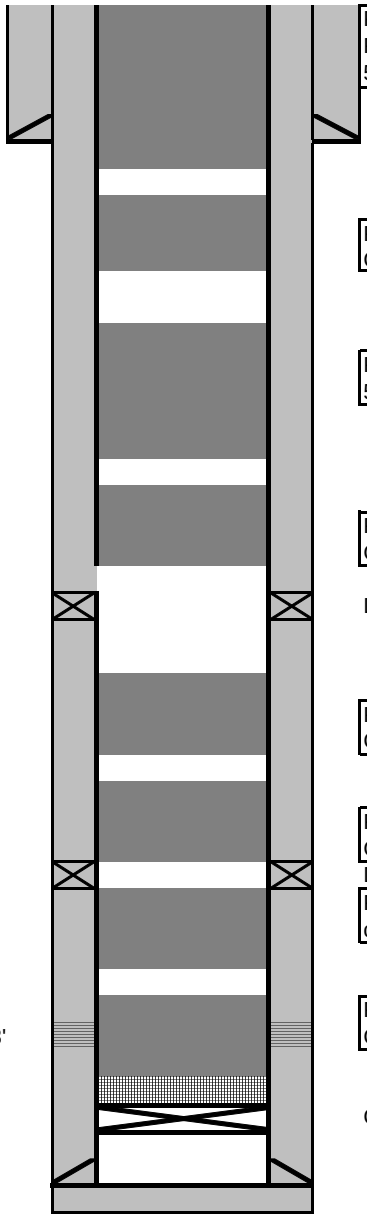
Perfs 7270-7458'

PBTD 7550'
TD 7770'



Plug 8: Surface casing shoe, surface plug: Perf 4 Pump 417' balanced plug from 417' to surface insdie 5-1/2" casing.

Plug 7: Nacimiento: Pump 100' balanced plug of Class G cement from 1598-1498'.

Plug 6: Pictured Cliffs, Fruitland, Ojo Alamo: Pump 527' balanced plug of Class G from 3170-2643'.

Plug 5: Chacra: Pump 100' balanced plug of Class G cement from 3598-3498'.

DV Tool at 4045'

Plug 4: Mesa Verde: Pump 100' balanced plug of Class G cement from 4716-4616'.

Plug 3: Mancos: Pump 100' balanced plug of Class G cement from 5444-5344'.

DV Tool at 5976'

Plug 2: Gallup: Pump 100' balanced plug of Class G cement from 6275-6175'.

Plug 1: Lower Mancos perfs: Spot balanced plug of Class G cement from TOC - 7220'.

CIBP @ 7550'

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_2S.

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.

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

AFMSS 2 Sundry ID 2651282

Attachment to notice of Intention to Abandon

Well: JIC Apache I 3

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.

3. The following modifications to your plugging program are to be made:
   a. Plug 6 (Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo): Bring the bottom of the plug down to 3180 feet to cover the BLM pick for the Pictured Cliffs top.

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 1/13/2022

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 01/13/2022

Well No. Jicarilla Apache I #3 (API# 30-039-21214)		Location	990 FSL	&	1650 FEL	
Lease No. JIC167		Sec. 14	T23N		R03W	
Operator DJR Operating, LLC		County	Rio Arriba	State	New Mexico	
Total Depth 7770’	PBTD 7550’	Formation	Dakota			
Elevation (GL) 7364’		Elevation (KB)	7377’			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	1548	Surface/freshwater sands
Nacimiento Fm			1548	2693	Possible freshwater sands
Ojo Alamo Ss			2693	2878	Aquifer (possible freshwater)
Kirtland Shale			2878	2952	
Fruitland Fm			2952	3130	Coal/Gas/Possible water
Pictured Cliffs Ss			3130	3173	Gas
Lewis Shale			3173	3548	
Chacra			3548	4666	Gas
Cliff House Ss			4666	4868	Water/Possible gas
Menefee Fm			4868	5182	Coal/Ss/Water/Possible O&G
Point Lookout Ss			5182	5394	Probable water/Possible O&G
Mancos Shale			5394	6225	
Gallup			6225	7243	O&G/Water
Greenhorn			7243	7323	
Graneros Shale			7323	7532	
Dakota Ss			7532	PBTD	O&G/Water

Remarks:
P & A

- BLM picks for the Pictured Cliffs and Fruitland formation tops vary from Operator picks.
- Bring the bottom of Plug #6 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo) down to 3180’ to cover BLM pick for the Pictured Cliffs top.
- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.
- Dakota perfs 7323’ – 7458’.

Reference Well:
1) **Formation Tops**
Same

Prepared by: *Chris Wenman*

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 72465

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 72465
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/21/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	1/21/2022