

Well Name: JIC APACHE I	Well Location: T23N / R3W / SEC 11 / SESE /	County or Parish/State: RIO ARRIBA / NM
Well Number: 6	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: 3003921383	Well Status: Oil Well Shut In	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2642277

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 11/01/2021	Time Sundry Submitted: 09:38
Date proposed operation will begin: 11/01/2021	

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

- Reclamation_Plan_20211101093823.pdf
- Proposed_WBD_20211101093822.pdf
- BIA_Rationale_Form_20211101093822.pdf
- PXA_Procedure_20211101093822.pdf
- Current_WBD_20211101093822.pdf

Well Name: JIC APACHE I	Well Location: T23N / R3W / SEC 11 / SESE /	County or Parish/State: RIO ARRIBA / NM
Well Number: 6	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: 3003921383	Well Status: Oil Well Shut In	Operator: DJR OPERATING LLC

Conditions of Approval

Additional Reviews

General_Requirement_PxA_20220107094449.pdf
2642277_NOIA_6_3003921383_KR_01072022_20220107094433.pdf
23N03W11PKd_Jicarilla_Apache_I_6_20220105130843.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: NOV 01, 2021 09:38 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

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: 01/07/2022
Signature: Kenneth Rennick	

Plug and Abandonment Procedure
for
DJR Operating, LLC
Jicarilla Apache I # 6
API # 30-039-21383
SE/SE, Unit P, Sec. 11, T23N, R03W
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. 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. MIRU hot oil unit, pump hot water to clear rods and tubing of paraffin.
6. Trip out of hole with rods and pump. Lay down to be sent in for storage/salvage.
7. Unset TAC.
8. ND WH, NU BOP, function test BOP.
9. 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. PU workstring, TIH with bit and scraper, make sure that the bit and scraper will go below 7250'. TOOH.
13. PU and RIH with a 5 1/2" cement retainer. Set the CR at +/- 7250'. Pressure test tubing to 1000 psi, sting out of CR, test casing to 800 psi. If casing does not test, contact engineering and prepare to spot and tag subsequent plugs as required by BLM. TOOH.

14. TIH with workstring to 7250'.
15. Plug 1. Sting back into CR, mix and attempt to place 25 sx class G cement through CR and into Dakota/Graneros perfs. If zone pressures up, sting out and place cement on top of CR. Continue to plug 2.
16. Plug 2. Dakota/Graneros; RU cement equipment, pump water to assure that tubing is clear. Mix and spot a balanced plug of class G cement from 7250' to 7150'.
17. Plug 3. Gallup, Mix and spot a balanced plug of class G cement from 6246' to 6146'.
18. Plug 4. Mancos, Mix and spot a balanced plug of class G cement from 5390' to 5290'.
19. Plug 5. Mesa Verde, Mix and spot a balanced plug of class G cement from 4712' to 4612'.
20. Plug 6. Chacra; Mix and spot a balanced plug of class G cement from 3586' to 3486'.
21. Plug 7. Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo; Mix and spot a balanced plug of class G cement from 3104' to 2576'.
22. Plug 8: Surface casing shoe. Spot balanced plug from 417' to surface, 71 sx class G cement or until circulation is established.
23. 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.
24. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
25. 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 P&A marker is to be installed at surface, 12" x 18" and exposed at the reclaimed GL surface.

Current Wellbore Diagram

DJR Operating, LLC

Jicarilla Apache I # 6

30-039-21383

SE/SE, Unit P, Sec 11, T23N, R03W

Rio Arriba County, NM

GL 7236'

KB 7250'

Spud Date 5/21/1977

SURF CSG

Hole size 13.75"
 Csg Size: 9.625"
 Wt: 32#
 Grade: H-40
 ID: 9.001"
 Depth 367'
 cap cf/ft: 0.4419
 TOC: Surf

FORMATION TOPS

San Jose	Surface
Nacimiento	
Ojo Alamo	2626'
Kirtland	2809'
Fruitland	2846'
Pictured Cliffs	3054'
Chacra	3536'
Mesa Verde	4662'
Mancos	5340'
Gallup	6196'
Dakota	7438'

PROD CSG

Hole size 8.75"
 Csg Size: 5.5"
 Wt: 15.5/17#
 Grade: K-55
 ID: 4.892"
 Depth 7698'
 cap cf/ft: 0.1305
 Csg/Csg 0.2769
 Ann, cf/ft
 TOC: Circ
 Surf

PROD TBG DETAIL:

2 3/8	7372'
SN	7340'
TAC	6775'

1 1/4 x 21 polish rod
 6'+6'+6'+12' ponies
 7/8 plain 82
 3/4 plain 194
 3/4 w/ metal scraper 13

1 1/4 K bars 4

2x1 1/4x12x16 RHACZ

DV Tool 3795'

DV Tool 5785'

Graneros Dakota Perfs
 7280-7394'

PBTD 7415'
 TD 7700'

Proposed Wellbore P&A Diagram

DJR Operating, LLC

Jicarilla Apache I # 6

API # 30-039-21383

SE/SE, Unit P, Sec 11, T23N, R03W

Rio Arriba County, NM

GL 7236'
 KB 7250'
 Spud Date 5/21/1977

SURF CSG

Hole size 13.75"
 Csg Size: 9.625"
 Wt: 32#
 Grade: H-40
 ID: 9.001"
 Depth 367'
 cap cf/ft: 0.4419
 TOC: Surf

FORMATION TOPS

San Jose	Surface
Nacimiento	
Ojo Alamo	2626'
Kirtland	2809'
Fruitland	2846'
Pictured Cliffs	3054'
Chacra	3536'
Mesa Verde	4662'
Mancos	5340'
Gallup	6196'
Dakota	7438'

PROD CSG

Hole size 8.75"
 Csg Size: 5.5"
 Wt: 15.5/17#
 Grade: K-55
 ID: 4.892"
 Depth 7698'
 cap cf/ft: 0.1305
 Csg/Csg 0.2769
 Ann, cf/ft
 TOC: Circ
 Surf

Plug 8: 417' to surf, pump 71 sx class G cement, or until circulation established.

Plug 7: 3104' to 2576'. 528 ft. 90 sx class G cement

Plug 6: 3586' to 3486'. 100 ft. 18 sx class G cement

Plug 5: 4712' to 4612'. 100 ft. 18 sx class G cement

DV Tool 3795'

Plug 4: 5390' to 5290'. 100 ft. 18sx class G cement

DV tool 5785'

Plug 3: 6246' to 6146'. 100 ft. 18sx class G cement

Plug 2: 7250' to 7150'. 100 ft. 18 sx class G cement.

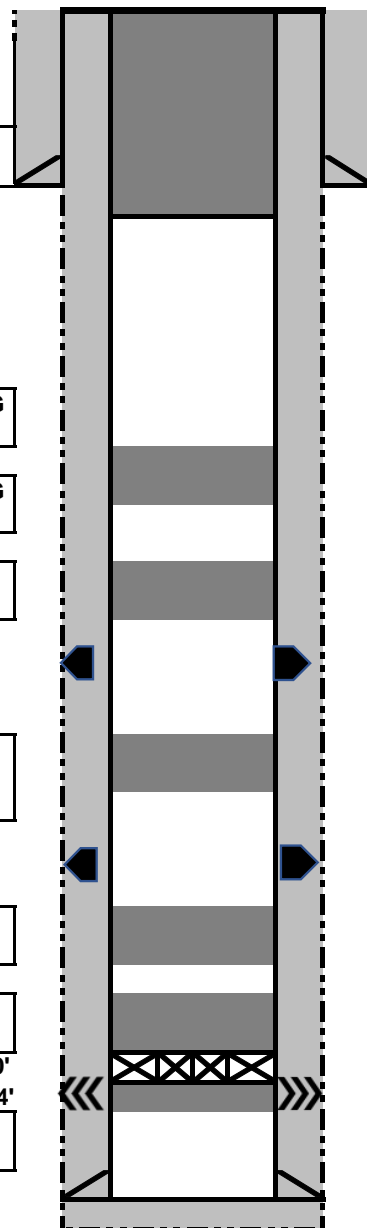
CR 7250'

Perfs 7280-7394'

Plug 1: Mix and attempt to place 25 sx class G cement through CR and into perfs.

PBTD 7415'

TD 7700'



**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 2642277

Attachment to notice of Intention to Abandon

Well: JIC Apache I 6

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 5 (Chacra) – Adjust or add a plug to cover BLM formation top pick at 3870 feet.
 - b. Add a plug to cover the Nacimiento formation top at 2011 feet.

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 1/7/2022

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 01/05/2022

Well No. Jicarilla Apache I #6 (API# 30-039-21383)	Location	990	FSL	&	790	FEL
Lease No. JIC167	Sec. 11	T23N			R03W	
Operator DJR Operating, LLC	County	Rio Arriba		State	New Mexico	
Total Depth 7700'	PBTD 7415'	Formation Dakota				
Elevation (GL) 7236'		Elevation (KB) 7250'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	2011	Surface/freshwater sands
Nacimiento Fm			2011	2636	Possible freshwater sands
Ojo Alamo Ss			2636	2809	Aquifer (possible freshwater)
Kirtland Shale			2809	2880	
Fruitland Fm			2880	3054	Coal/Gas/Possible water
Pictured Cliffs Ss			3054	3105	Gas
Lewis Shale			3105	3870	
Chacra			3870	4662	Gas
Cliff House Ss			4662	4760	Water/Possible gas
Menefee Fm			4760	5182	Coal/Ss/Water/Possible O&G
Point Lookout Ss			5182	5340	Probable water/Possible O&G
Mancos Shale			5340	6196	
Gallup			6196	7174	O&G/Water
Greenhorn			7174	7240	
Graneros Shale			7240	7265	
Dakota Ss			7265	PBTD	O&G/Water

Remarks:

P & A

- BLM picks for the Dakota, Chacra, and Nacimiento formation tops vary from Operator picks.

- No CBL on file.

- Adjust Plug #5 (Chacra), or add a plug, to cover BLM formation top pick at 3870'.

- Add a plug to cover the Nacimiento formation top at 2011'.

- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.

- Dakota perms 7280' – 7394'.

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 71010

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 71010
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/13/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	1/13/2022