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

Sundry Print Report

01/04/2022

Well Name: JICARILLA APACHE B

Well Location: T24N / R5W / SEC 20 / NESW / 36.296072 / -107.386828

County or Parish/State: RIO ARRIBA / NM

Well Number: 10

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name: JICARILLA APACHE

Lease Number: JIC11

Unit or CA Name:

Unit or CA Number:

US Well Number: 3003905382

Well Status: Gas Well Shut In

Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2632597

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 09/03/2021

Time Sundry Submitted: 10:32

Date proposed operation will begin: 09/03/2021

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

Jicarilla_Apache_B_10___PXA_Procedure_20210903103023.pdf

Jicarilla_Apache_B_10___Current_WBD_20210903103010.pdf

Jicarilla_Apache_B_10___Proposed_WBD_20210903102953.pdf

Jicarilla_Apache_B10___Reclamation_Plan_20210903102942.pdf

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Conditions of Approval

Additional Reviews

2632597_NOIA_10_3003905382_KR_01032022_20220103174131.pdf

General_Requirement_PxA_20220103174109.pdf

24N05W20KKd_Jicarilla_Apache_B_10_20220103142925.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: DACYE SHULL

Signed on: SEP 03, 2021 10:31 AM

Name: DJR OPERATING LLC

Title: Regulatory Technician

Street Address: 1 ROAD 3263

City: AZTEC **State:** NM

Phone: (505) 632-3476

Email address: DSHULL@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: 01/03/2022

Signature: Kenneth Rennick

Plug and Abandonment Procedure

DJR Operating, LLC

Jicarilla Apache B 10

API # 30-039-05382

NE/SW, Unit K, Sec. 20, T24N, R05W

Rio Arriba County, NM

I.

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.
2. MIRU P&A 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. ND WH, NU BOP, function test BOP.
6. Install tubing stop if required. Trip out of hole with 1½" tubing. LD tubing to be sent in for storage/salvage.

II.

7. MIRU P&A rig and equipment.
8. Plug 1: TIH with 1 ½" workstring to 6709'. Spot balanced plug from 6709-6488' inside casing (perfs, top of Dakota). PU and pump water to assure tubing is clear. WOC.
9. 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.
10. MIRU logging truck. Run CBL log from TOC to surface.
11. Plug 2. Gallup: RU cement equipment, pump water to assure that tubing is clear. Mix and spot a balanced plug of Class G cement from 5569' to 5469'. Pump water to ensure tubing is clear.

12. Plug 3. Mancos: Perforate holes at 4652'. Set 3 ½" CR at 4602'. Mix and pump Class G cement through CR inside/outside 3 ½" casing from 4652-4552'. Spot 50' on top of CR. Pump water to ensure tubing is clear.

13. Plug 4. Mesa Verde: Perforate holes at 3849'. Set 3 ½" CR at 3799'. Mix and pump Class G cement through CR inside/outside 3 ½" casing from 3849' to 3749'. Spot 50' on top of CR. Pump water to ensure that tubing is clear.

14. Plug 5. Chacra: Perforate holes at 2780'. Set 3 ½" CR at 2730'. Mix and pump Class G cement through CR inside/outside 3 ½" casing from 2780' to 2680'. Spot 50' on top of CR. Pump water to ensure that tubing is clear.

15. Plug 6. Pictured Cliffs: Mix and spot an inside balanced plug of Class G cement from 2341-2241'. (pending results of CBL and TOC).

16. Plug 7. Fruitland, Kirtland and Ojo Alamo: Perforate holes at 2224'. Set 3 ½" CR at 2174'. Mix and pump Class G cement through CR inside/outside 3 ½" casing from 2224' to 1690'. Spot 484' on top of CR. Pump water to ensure that tubing is clear.

17. Plug 8: Nacimiento: Perforate holes at 1093'. Set 3 ½" CR at 1043'. Mix and pump Class G cement through CR inside/outside 3 ½" casing from 1093-993'. Spot 50' on top of CR. Pump water to ensure that tubing is clear.

18. Plug 9: Perforate at 223'. Attempt to establish circulation to surface. Tie onto 3 ½" casing and mix and pump sufficient cement to bring cement to surface inside and outside 3 ½" casing. Top off as needed.

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 and contamination 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.

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 B 10

API # 30-039-05382
NE/SW, Unit K, Sec 20, T24N, R5W
Rio Arriba County, NM

GL	**6666'**
KB	**6679'**
Spud Date	**1/9/1963**

PROD TBG DETAIL:

1.5" EUE 2.9# 10rd J-55	6411'

SURF CSG

Hole size	13.75"
Csg Size:	9.625"
Wt:	25.4#
Grade:	SW-SJ
ID:	8.95"
Depth	173'
Csg cap ft^3:	0.4562
TOC:	Cir surf

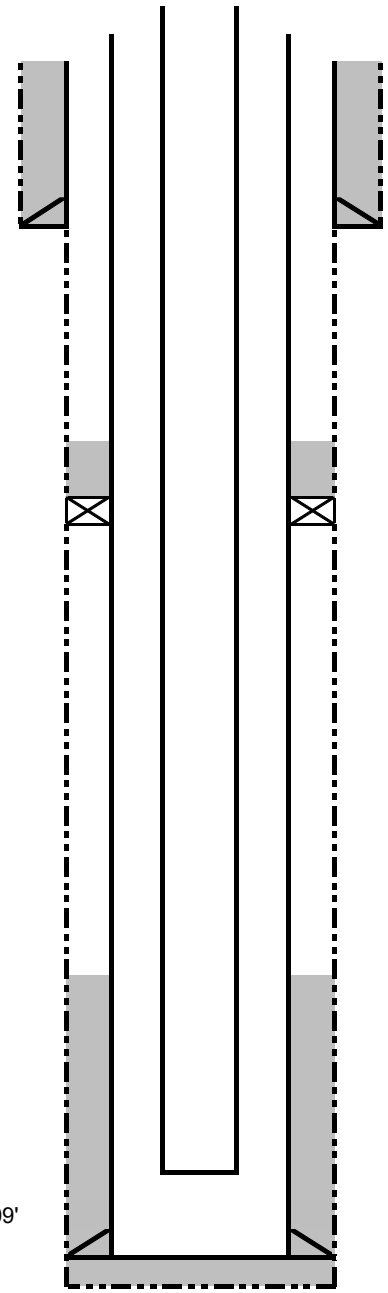
PROD CSG

Hole size	7.875"
Csg Size:	3.5"
Wt:	9.2#
Grade:	J-55
ID:	2.992"
Depth	6881'
Csg cap ft^3:	0.0488
Csg/Csg Ann ft^3:	0.3556
Csg/OH cap ft^3:	0.2714
TOC Stg 1:*	5500'
TOC Stg 2:*	2100'

*As reported in drilling summary from Lane Wells cement log 1/30/63

FORMATION TOPS

Nacimiento	1043'
Ojo Alamo	1740'
Kirtland	1941'
Fruitland	2174'
Pictured Cliffs	2291'
Lewis	2378'
Chacra	2730'
Mesa Verde	3799'
Mancos	4602'
Gallup	5519'
Dakota	6538'



TOC 2100'

DV Tool 2419'

TOC 5500'

Dakota perfs : 6544-6709'
PBTD 6820'
TD 6888'

Proposed Wellbore P&A Diagram

DJR Operating, LLC

Jicarilla Apache B 10

API # 30-039-05382
NE/SW, Unit K, Sec 20, T24N, R5W
Rio Arriba County, NM

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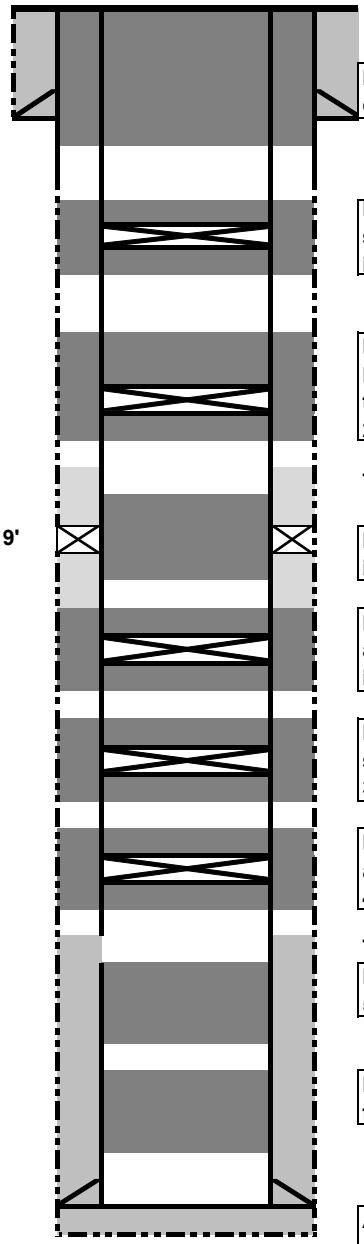

Plug 9: Surface: Perforate at 223'. Pump cement inside/outside to surface.

Plug 8: Nacimiento: Perforate at 1093'. CR set at 1043'. Pump through CR, Spot plug inside/outside 1093-993'.

Plug 7: Fruitland, Kirtland, Ojo Alamo. Perforate at 2224'. CR set 2174'. Pump through CR, Spot plug inside/outside from 2224' to 1690'.

TOC 2100'

Plug 6: Pictured Cliffs: Set balanced plug inside from 2341-2241'.

Plug 5: Chacra: Perforate at 2780'. CR set at 2730', Pump through CR, Spot plug inside/outside 2780-2680'.

Plug 4: Mesaverde: Perforate at 3849'. CR set at 3799'. Spot plug inside/outside from 3849-3749'.

Plug 3: Mancos: Perforate at 4652'. CR set at 4602'. Spot plug inside/outside from 4652-4552'.

TOC 5500'

Plug 2: GP: Set balanced plug inside from 5569-5469'.

Plug 1: Dakota: Spot cement inside 3-1/2" from 6709'-6488'.

All cement plugs are to be Class G mixed at 15.8 ppg and 1.15 ft^3/sk.

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 2632597

Attachment to notice of Intention to Abandon

Well: Jicarilla Apache B 10

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 3093 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 1/3/2022

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 01/03/2022

Well No. Jicarilla Apache B #10 (API# 30-039-05382)		Location	1850 FSL	&	1850 FWL	
Lease No. Jicarilla Contract 11		Sec. 20	T24N		R05W	
Operator DJR Operating, LLC		County	Rio Arriba	State	New Mexico	
Total Depth 6888’	PBTD 6820’	Formation	Dakota			
Elevation (GL) 6666’		Elevation (KB)	6679’			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	1043	Surface/freshwater sands
Nacimiento Fm			1043	1740	Possible freshwater sands
Ojo Alamo Ss			1740	2030	Aquifer (possible freshwater)
Kirtland Shale			2030	2174	
Fruitland Fm			2174	2291	Coal/Gas/Possible water
Pictured Cliffs Ss			2291	2378	Gas
Lewis Shale			2378	3098	
Chacra			3098	3799	Gas
Cliff House Ss			3799	3894	Water/Possible gas
Menefee Fm			3894	4432	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4432	4602	Probable water/Possible O&G
Mancos Shale			4602	5519	
Gallup			5519	6436	O&G/Water
Greenhorn			6436	6499	
Graneros Shale			6499	6538	
Dakota Ss			6538	PBTD	O&G/Water

Remarks:
P & A

- BLM pick for the Chacra formation top varies from Operator pick.
- No CBL on file. CBL planned as part of P&A procedure.
- Adjust Plug #5 (Chacra), or add a plug, to cover BLM formation top pick at 3093’.
- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.
- Dakota perfs 6544’ – 6709’.

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 70173

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 70173
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	1/6/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/6/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	1/6/2022