Well Name: JICARILLA APACHE B

Well Location: T24N / R5W / SEC 29 / NENE / 36.288197 / -107.378625

County or Parish/State: RIO ARRIBA / NM

Well Number: 13

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: 3003905329

Well Status: Producing Gas Well

Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2682283

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 07/15/2022

Time Sundry Submitted: 10:34

Date proposed operation will begin: 07/15/2022

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_20220715103349.pdf

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Unit or CA Name:

Unit or CA Number:

US Well Number: 3003905329

Well Status: Producing Gas Well

Operator: DJR OPERATING LLC

Conditions of Approval

Additional

24N05W29AKd_Jicarilla_Apache_B_13_20220715141206.pdf

Authorized

General_Requirement_PxA_20220715145939.pdf

2682283_NOIA_B_13_3003905329_KR_07152022_20220715145918.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 15, 2022 10:33 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: 07/15/2022

Signature: Kenneth Rennick

Plug and Abandonment Procedure

DJR Operating, LLC

Jicarilla Apache B 13

API # 30-039-05329

NE/NE, Unit A, Sec. 29, T24N, R5W

Rio Arriba County, NM

I.

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.

2. MIRU P&A rig and equipment.

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 (possibly) 2-1/16" tubing. LD tubing to be sent in for storage/salvage.

7. PU 3-bladed junk mill on 1-1/2" EUE workstring, and TIH to 2450'. Mill up CIBP with air mist and push to about 5800'. Roll hole. Pressure test casing to 600 psi. TOOH.

8. MIRU logging truck. Run CBL log from 5600' to surface. Hold 600 psi on casing if possible. Electronic copy of CBL to be sent to Ken Rennick krennick@blm.gov, Monica Kueling monica.kueling@state.nm.us, Loren Diede ldiede@djrllc.com, and slindsay@djrllc.com. Plugs may be adjusted per log results.

9. Plug 1. Gallup: TIH with 1 ½" workstring. Spot balanced plug from 5596-5496'. Pump water to ensure tubing is clear.

10. Plug 2. Mancos: Perforate holes at 4737'. Spot sufficient volume and displace to bring TOC to 4637' inside and outside. Pump water to ensure tubing is clear. TOOH. Pressure up on casing. WOC. Tag TOC. (NOTE: The small diameter of the 3-1/2" cement retainer stinger results in prohibitively high pump pressures, and precludes the use of cement retainers in this well bore).

11. Plug 3. Mesa Verde: Perforate holes at 3866'. Spot sufficient volume and displace to bring TOC to 3766' inside and outside. Pump water to ensure tubing is clear. TOOH. Pressure up on casing. WOC. Tag TOC.

12. Plug 4. Chacra: Perforate holes at 3190'. Spot sufficient volume and displace to bring TOC to 3090' inside and outside. Pump water to ensure tubing is clear. TOOH. Pressure up on casing. WOC. Tag TOC.

13. Plug 5. Pictured Cliffs, Fruitland, and Kirtland: Mix and spot an inside balanced plug from 2367-2009'. Pump water to ensure tubing is clear. TOOH.

14. Plug 6. Ojo Alamo: Perforate holes at 1855'. Spot sufficient volume and displace to bring TOC to 1755' inside and outside. Pump water to ensure tubing is clear. TOOH. Pressure up on casing. WOC. Tag TOC.

15. Plug 7. Nacimiento: Perforate holes at 1150'. Spot sufficient volume and displace to bring TOC to 1050' inside and outside. Pump water to ensure tubing is clear. TOOH. Pressure up on casing. WOC. Tag TOC.

16. Plug 8. Surface plug: Perforate at 285'. 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.

17. 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.

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.

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 13

API # 30-039-05329
NE/NE, Unit A, Sec 29, T24N, R5W
Rio Arriba County, NM

GL	**6707'**
KB	**N/A**
Spud Date	**3/16/1963**
Recompleted to PC 1/3/2002	

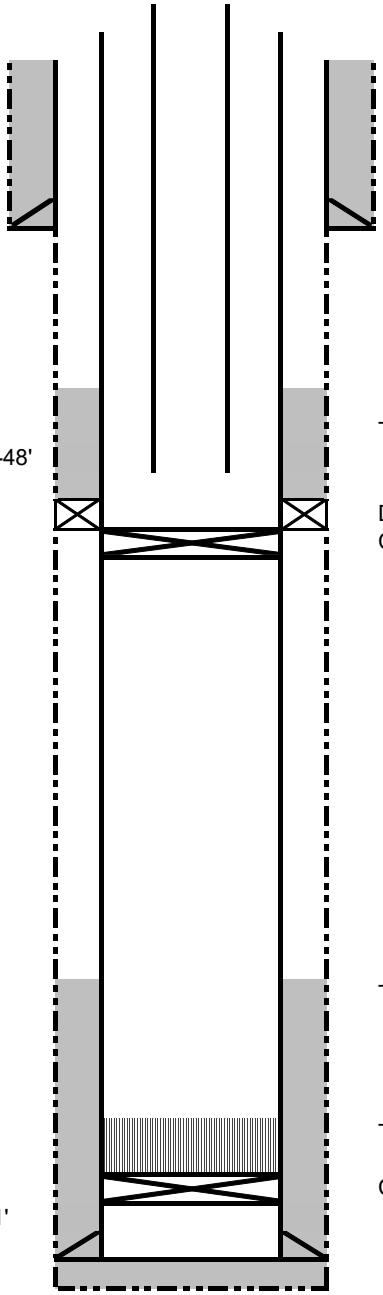
PROD TBG DETAIL:
2-1/16" at 2338' (best available information)

SURF CSG	
Hole size	12.25"
Csg Size:	8.625"
Wt:	24#
Grade:	J-55
ID:	8.097"
Depth	235'
Csg cap ft^3:	0.3575
Csg/OH cap ft^3:	0.4127
TOC:	Cir surf

PROD CSG	
Hole size	7.875"
Csg Size:	3.5"
Wt:	9.2#
Grade:	J-55
ID:	2.992"
Depth	6815'
Csg cap ft^3:	0.0488
Csg/Csg Ann ft^3:	0.2908
Csg/OH cap ft^3:	0.2714
TOC Stg 1: (TS)	5480'
TOC Stg 2: (CBL)	1976'

FORMATION TOPS	
Nacimiento	1100'
Ojo Alamo	1805'
Kirtland	2059'
Fruitland	2190'
Pictured Cliffs	2317'
Chacra	3140'
Mesa Verde	3816'
Mancos	4687'
Gallup	5546'
Dakota	6692'

Pictured Cliffs Perfs: 2324-48'



TOC 1976'

DV Tool 2446'

CIBP 2450'

TOC 5480'

TOC on CIBP at 6410'

CIBP 6530'

Lower Mancos/Dakota perfs : 6588-6741'
PBTD 6783'
TD 6838'

Proposed Wellbore P&A Diagram

DJR Operating, LLC

Jicarilla Apache B 13

API # 30-039-05329
NE/NE, Unit A, Sec 29, T24N, R5W
Rio Arriba County, NM

GL	**6707'**
KB	**N/A**
Spud Date	**3/16/1963**

SURF CSG	
Hole size	12.25"
Csg Size:	8.625"
Wt:	24#
Grade:	J-55
ID:	8.097"
Depth	235'
Csg cap ft3:	0.3575
Csg/OH cap ft3:	0.4127
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PROD CSG	
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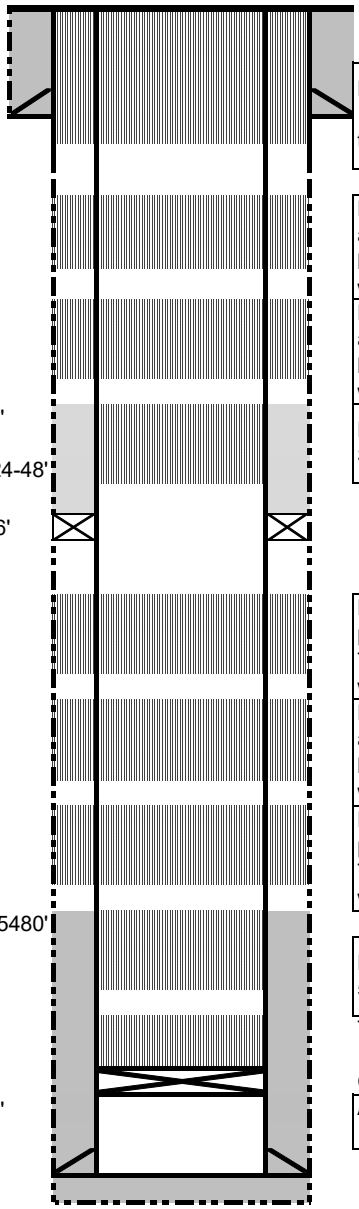

Plug 8. Surface: Perforate at 285'. Tie onto 3-1/2" casing. Mix and pump sufficient volume to bring TOC to surface inside and outside.

Plug 7. Nacimiento: Perforate at 1150'. Mix and pump sufficient volume and displace to bring TOC to 1050' inside and outside. Shut well in with pressure and WOC.

Plug 6. Ojo Alamo: Perforate at 1855'. Mix and pump sufficient volume and displace to bring TOC to 1755' inside and outside. Shut well in with pressure and WOC.

Plug 5. Pictured Cliffs, Fruitland, and Kirtland: Set balanced plug inside from 2367-2009'.

Plug 4. Chacra: Perforate at 3190'. Mix and pump sufficient volume and displace to bring TOC to 3090' inside and outside. Shut well in with pressure and WOC.

Plug 3. Mesaverde: Perforate at 3866'. Mix and pump sufficient volume and displace to bring TOC to 3766' inside and outside. Shut well in with pressure and WOC.

Plug 2. Mancos: Perforate at 4737'. Mix and pump sufficient volume and displace to bring TOC to 4637' inside and outside. Shut well in with pressure and WOC.

Plug 1. GP: Set balanced plug inside from 5596-5496'.

TOC on CIBP at 6410'

CIBP 6530'

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

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

AFMSS 2 Sundry ID 2682283

Attachment to notice of Intention to Abandon

Well: Jicarilla Apache B 13

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) Adjust Plug #6 (Ojo Alamo) so that the entire interval is covered from 2009' – 1755'.

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 7/15/2022

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 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.

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 07/07/2022

Well No. Jicarilla Apache B #13 (API# 30-039-05329)		Location	1000 FNL	&	1000 FEL	
Lease No. JIC11		Sec. 29	T24N		R05W	
Operator DJR Operating, LLC		County	Rio Arriba	State	New Mexico	
Total Depth 6838’	PBTD 6410’	Formation	Dakota/Lower Mancos/Pictured Cliffs			
Elevation (GL) 6707’		Elevation (KB)				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose			Surface	1100	Surface/possible freshwater sands
Nacimiento			1100	1805	Possible freshwater sands
Ojo Alamo Ss			1805	2059	Aquifer (possible freshwater)
Kirtland Shale			2059	2190	Possible gas
Fruitland			2190	2317	Coal/Gas/Water
Pictured Cliffs Ss			2317	2405	Gas
Lewis Shale			2405	3140	
Chacra			3140	3816	Possible Gas
Cliff House Ss			3816	3888	Water/probable gas
Menefee			3888	4477	Coal/Ss/Water/probable gas
Point Lookout Ss			4477	4687	Probable water/O&G
Mancos Shale			4687	5546	O&G
Gallup			5546	PBTD	O&G
Greenhorn			6473		
Graneros Shale			6548		
Dakota Ss			6692		O&G/water
Morrison					

Remarks:
P & A

- The plugs proposed in the P&A procedure will adequately protect any freshwater sands in this well bore.
- Adjust Plug #6 (Ojo Alamo) so that the entire interval is covered from 2009’ – 1755’.
- Pictured Cliffs perfs 2324’ – 2348’.
- Existing CIBP over Dakota perfs at 6530’. Cement on top of CIBP to 6410’.
- Lower Mancos/Dakota perfs 6588’ – 6741’.

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 126109

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 126109
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	7/19/2022
kpickford	Adhere to BLM approved plugs and COAs. See GEO Report	7/19/2022