

Well Name: JICARILLA APACHE F	Well Location: T25N / R5W / SEC 18 / NWNW / 36.40449 / -107.406901	County or Parish/State: RIO ARRIBA / NM
Well Number: 3	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC149	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003906047	Well Status: Producing Gas Well	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2631668

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 08/31/2021	Time Sundry Submitted: 02:54
Date proposed operation will begin: 08/31/2021	

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_F3_Rec_Plan_20210831145355.pdf
- JicAp_F3_Proposed_WBD_20210831145354.pdf
- Jicarilla_Apache_F3_PXA_Procedure_20210831145354.pdf
- JicAp_F3_Current_WBD_20210831145354.pdf

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Conditions of Approval

Additional Reviews

General_Requirement_PxA_20211215144454.pdf
2631668_NOIA_3_3003906047_KR_12152021_20211215144442.pdf
25N05W18DKmv_Jicarilla_Apache_F_3_20211215135322.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: AUG 31, 2021 02:54 PM
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: 12/15/2021
Signature: Kenneth Rennick	

Plug and Abandonment Procedure
for
DJR Operating, LLC
Jicarilla Apache F 3
API # 30-039-06047
NW/NW, Unit D, Sec. 18, T25N, R5W
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. ND WH, NU BOP, function test BOP.
6. Trip out of hole with 2 3/8" tubing. LD tubing to be sent in for storage/salvage.
7. RDMO prep rig to next location.

II.

8. PU workstring, TIH with bit and scraper, make sure that the bit and scraper will go below 3560'. TOOH.
9. PU and RIH with a 5 1/2" cement CR. Set the CR at +/- 3560'. Pressure test tubing to 1000 psi.
10. Plug 1: Attempt to squeeze 10 sx Class G cement below retainer into Chacra perms. Sting out of retainer, and spot 50' plug on top of retainer to cover across Chacra top. Pump water to ensure tubing is clear. TOOH.
11. PU bit and scraper and tag TOC. TOOH.
12. PU and TIH with a 5 1/2" cement CR. Set the CR at +/- 2720'. Sting out of CR and test casing to 600 psi. If casing does not test, contact engineering.

13. Plug 2: Sting back into retainer and attempt to squeeze 10 sx Class G cement below retainer into Pictured Cliffs perms. Sting out of retainer, and spot 168' plug on top of retainer to cover across Pictured Cliffs and Fruitland tops. Pump water to ensure tubing is clear. TOOH.
14. PU bit and scraper and tag TOC. Roll hole and load hole with water for CBL log. TOOH.
15. RU wireline. RIH with GR/CCL/CBL from TOC inside 5-1/2" casing to surface. Hold 500 psi on casing if possible. Send CBL log to Kenny Rennick krennick@blm.gov, Brandon Powell PowellBrandon.powell@state.nm.us, Loren Diede ldiede@djrlc.com, Scott Lindsay slindsay@djrlc.com. Plugs may be adjusted per log run.
16. PU and TIH with 5-1/2" CR and set at 1973'.
17. Plug 3: Mix and pump sufficient Class G cement through CR to bring cement to 1923' outside 5-1/2" casing. Spot 50' plug on top of CR to cover 100' across Ojo Alamo top, inside and outside. TOOH. Pump water to ensure tubing is clear.
18. Plug 4: RIH with wireline and perf 4 holes at 602'. Tie onto 5-1/2" casing. Establish rate. Mix and pump sufficient Class G cement to bring cement to surface inside and outside 5-1/2" casing.
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. Ensure 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 PxA marker is to be installed at surface, 12"x18", and exposed at the reclaimed GL surface.

DJR Operating, LLC

Current Wellbore Diagram

Jicarilla Apache F 3

API # 30-039-06047
NW/NW, Unit D, Sec 18 T25N, R5W
San Juan County, NM

GL 6647'
KB 6657'
Spud Date 6/26/1957

SURF CSG

Hole size 12.25"
Csg Size: 8.625"
Wt: 32#
Grade: SS
ID: 7.921"
Depth 218'
casing cap ft³/ft: 0.3422
TOC: N/A

FORMATION TOPS

San Jose	Surface
Nacimiento	552'
Ojo Alamo	1973'
Kirtland	2314'
Fruitland	2602'
Pictured Cliffs	2738'
Lewis	2796'
Chacra	3592'

PROD CSG

Hole size 7.875"
Csg Size: 5.5"
Wt: 15.5#
Grade: N/A
ID: 4.95"
Depth 3804'
casing cap ft³/ft: 0.1336
8.625x5.5 cap ft³/ft 0.1926
7.875x5.5 annular cap. 0.1773
TOC: 2310' (TS)

Production Tubing

2-3/8" tubing set at 3478'. SN @ 3448'.
2001 invoice indicates plunger
installation. Field says no. Set tbg stop.

8/1/1983: Repaired bradenhead leak.
Perfed at 275'. Squeezed with 100 sx.
Circulated 7 bbls cement out of surface
casing.

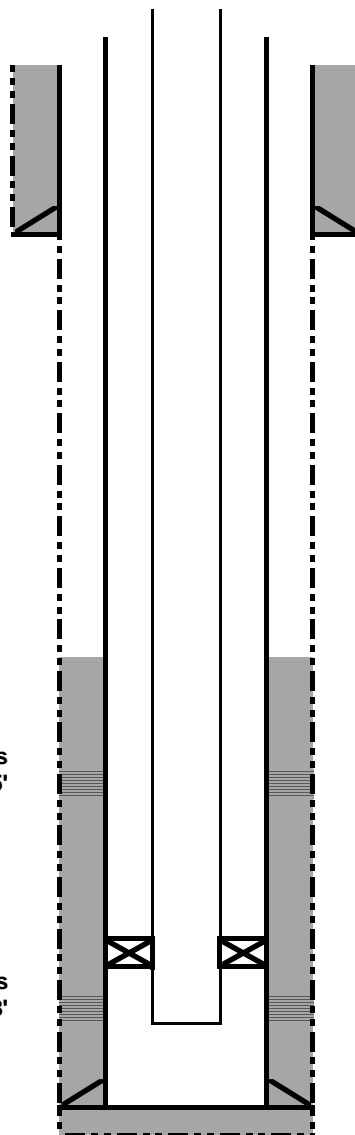
Pictured Cliffs Perfs
2744-95'

Chacra perfs
3604-28'

PBTD 3759'
TD 3805'

TOC: 2310' (TS)

Model D packer
3575'



8/31/2021

DJR Operating, LLC Proposed Wellbore Diagram

Jicarilla Apache F 3

API # 30-039-06047
NW/NW, Unit D, Sec 18 T25N, R5W
San Juan County, NM

GL 6647'
KB 6657'
Spud Date 6/26/1957

SURF CSG

Hole size 12.25"
Csg Size: 8.625"
Wt: 32#
Grade: SS
ID: 7.921"
Depth 224'
casing cap ft3/ft: 0.3422
TOC: N/A
0

PROD CSG

Hole size 7.875"
Csg Size: 5.5"
Wt: 15.5#
Grade: N/A
ID: 4.95"
Depth 3804'
casing cap ft3/ft: 0.1336
8.625x5.5 cap ft3/ft 0.1926
7.875x5.5 annular cap. 0.1773
TOC: 2310' (TS)

FORMATION TOPS

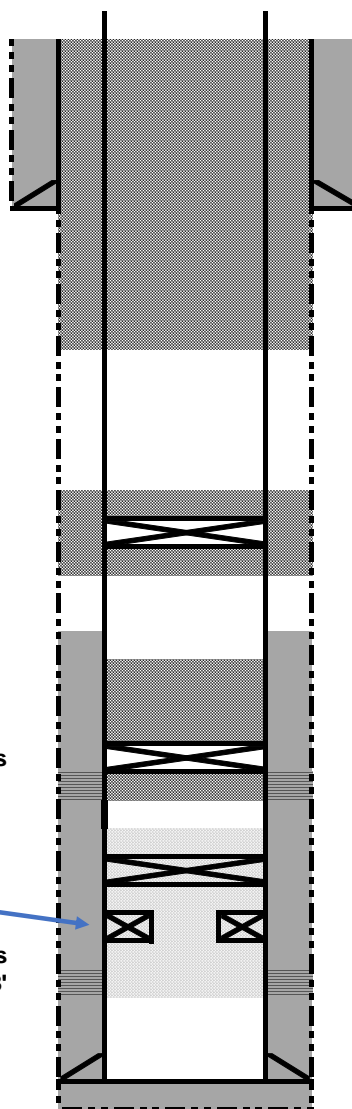
Formation	Depth
San Jose	Surface
Nacimiento	552'
Ojo Alamo	1973'
Kirtland	2314'
Fruitland	2602'
Pictured Cliffs	2738'
Lewis	2796'
Chacra	3592'

Pictured Cliffs Perfs
2744-95'

Model D pkr at 3575'

Chacra perfs
3604-28'

PBTD 3759'
TD 3805'



Plug 4: Perf 4 holes at 602'. Tie onto 5-1/2" casing and establish rate. Mix and pump sufficient cement to bring cement to surface inside and outside 5-1/2" casing.

Plug 3: Perf 4 holes at 2023'. Set CR at 1973'. Squeeze below retainer to bring TOC to 1923' outside casing. Spot 50' plug on top of CR to cover of Ojo Alamo.

Plug 2: Set CR at 2720'. Attempt to pump 10 sx cement through CR into PC perfs. Spot 168' plug on top of CR to cover PC and Fruitland tops.

Plug 1: Set CR at 3560'. Attempt to pump 10 sx cement through CR into Chacra perfs. Spot 50' plug on top of CR to cover Chacra top.

**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 2631668

Attachment to notice of Intention to Abandon

Well: Jicarilla Apache F 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) Add a plug to cover the Kirtland top at 2314 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 12/15/2021

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 12/15/2021

Well No. Jicarilla Apache F #3 (API# 30-039-06047)	Location	990	FNL	&	990	FWL
Lease No. Jicarilla 149	Sec. 18	T25N			R05W	
Operator DJR Operating, LLC	County	Rio Arriba		State	New Mexico	
Total Depth 3805'	PBTD 3759'	Formation Chacra, Pictured Cliffs				
Elevation (GL) 6647'		Elevation (KB) 6657'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm	Surface	552			Surface/freshwater sands
Nacimiento Fm	552	1973			Freshwater sands
Ojo Alamo Ss	1973	2314			Aquifer (possible freshwater)
Kirtland Shale	2314	2602			
Fruitland Fm	2602	2738			Coal/Gas/Possible water
Pictured Cliffs Ss	2738	2796			Gas
Lewis Shale	2796	3592			
Chacra	3592	PBTD			Gas
Cliff House Ss					Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale					
Gallup					O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:

P & A

- No well log available for the subject well, tops estimated by operator are adequate based on logs for Reference Well #1.
- No CBL on file. CBL proposed as part of P&A procedure.
- Add a plug to cover the Kirtland top at 2314'.
- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.
- Pictured Cliffs perfs 2744' – 2795' Chacra perfs 3604' – 3628'.

Reference Well:

1) **Formation Tops**
Hilcorp Energy Company
Canyon Largo Unit #254
1150 FNL, 850' FEL
Sec. 13, T25N, R06W
GL 6675'

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 67336

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 67336
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	12/20/2021
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	12/20/2021
kpickford	Adhere to BLM approved plugs and conditions (see GEO report)	12/20/2021