

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

Well Name: JICARILLA FLORANCE 'D'	Well Location: T23N / R4W / SEC 6 / NWNE /	County or Parish/State: RIO ARRIBA / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC362	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003908080	Well Status: Gas Well Shut In	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2699104

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/21/2022

Time Sundry Submitted: 12:08

Date proposed operation will begin: 10/21/2022

Procedure Description: REVISED. Approval to P&A this well was received originally on 12/07/21. Recent successful changes to our procedures have been made and DJR would like to incorporate those changes for this well. 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_Rev1_20221021120826.pdf

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Well Location: T23N / R4W / SEC 6 / NWNE /

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Unit or CA Name:

Unit or CA Number:

US Well Number: 3003908080

Well Status: Gas Well Shut In

Operator: DJR OPERATING LLC

Conditions of Approval

Specialist Review

2699104_NOIA_4_3003908080_KR_10252022_20221025142751.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: OCT 21, 2022 12:08 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 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: 10/25/2022

Signature: Kenneth Rennick

REVISED
Plug and Abandonment Procedure
for
DJR Operating, LLC
Jicarilla Florance D 4
API # 30-039-08080
NW/NE, Unit B, Sec. 6, T23N-R4W
Rio Arriba County, NM

The original BLM/OCD procedure as approved on 12/7/2021, has been revised to reflect successful changes to DJR's slim hole plugging and abandonment operations.

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.
2. MIRU rig.
3. Check and record 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. Plug 1: Pictured Cliffs, Fruitland, and Kirtland: PU and TIH with 1-1/4" work string. RU cement equipment. With end of tubing near 2560', mix and pump sufficient volume to bring TOC to 2120' inside 2-7/8" casing. Displace cement and SI with pressure. PU and pump water to ensure that tubing is clear. (Note: Stinger for a 2-7/8" cement retainer has an ID of 0.5", which is insufficient to allow cement to be pumped through it, when considering friction pressures of both that restriction and of the 1-1/4" workstring). WOC.
7. Tag TOC. Roll hole and pressure test casing to 600 psi. If test fails, contact office.
8. MIRU logging truck. Run CBL from TOC to surface. Hold 600 psi on casing if possible. Send CBL log to Ken Rennick krennick@blm.gov, Monica Kueling monica.kueling@state.nm.us, Loren Diede ldiede@djrlc.com, and Scott Lindsay slindsay@djrlc.com. Plugs may be adjusted per log results.
9. Plug 2: Ojo Alamo: RIH with wireline and perforate holes at 2058'. POOH. TIH with 1-1/4" workstring. With end of tubing at 2058', mix and pump sufficient volume to bring TOC to 1958' inside and outside. Displace cement and SI with pressure. Pump water to ensure that tubing is clear. TOOH. WOC.
10. Plug 3: Nacimiento: RIH with wireline and perforate holes at 615'. POOH. TIH with 1-1/4" workstring. With end of tubing at 615', mix and pump sufficient volume to bring TOC to 515' inside and outside. Displace cement and SI with pressure. Pump water to ensure that tubing is clear. TOOH. WOC.

11. Plug 4. Surface casing shoe, surface plug: RIH with wireline and perforate holes at 132'. Tie on to 2-7/8" casing, establish rate, and mix and pump cement inside and outside from 132' to surface.
12. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement, as necessary. **Install 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.
13. RD and MO all rig and cement equipment. Assure that location is free of trash before moving off.
14. 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. PxA marker is to be 12"x18" with rounded corners and installed below grade no deeper than 2'.

Current Wellbore Diagram (REVISED)
DJR Operating, LLC
Jicarilla Florance D 4
 API # 30-039-08080
 NW/NE, Unit B, Sec 6, T23N, R04W
 Rio Arriba County, NM

GL 6925'
 KB N/A
 Spud Date 5/20/1966

PROD TBG DETAIL:
None

SURF CSG

Hole size 9.875"
 Csg Size: 7.625"
 Wt: 26#
 Grade: N/A
 ID: 6.844"
 Depth 82'
 cap cf/ft: 0.2649
 TOC: 75 sx

FORMATION TOPS

San Jose	Surf
Nacimiento*	565'
Ojo Alamo	2008'
Kirtland	2170'
Fruitland	2285'
Pictured Cliffs	2510'
*Estimated	

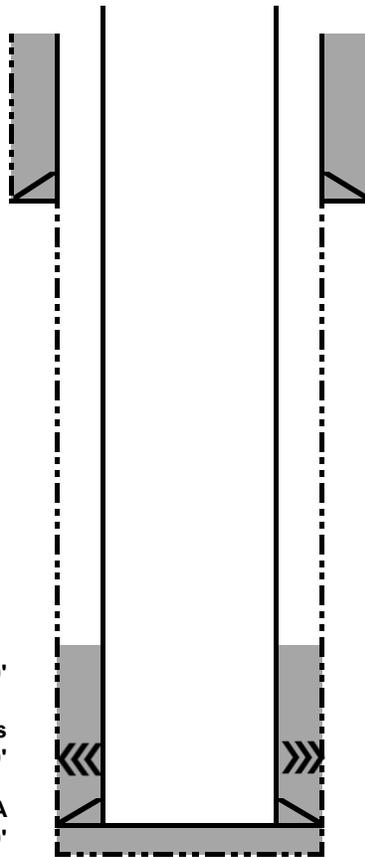
PROD CSG

Hole size 6.75"
 Csg Size: 2.875"
 Wt: 6.5#
 Grade: N/A
 ID: 2.441"
 Depth 2627'
 cap cf/ft: 0.0325
 Csg/Csg Ann, cf/ft: 0.2198
 Csg/OH Ann, cf/ft: 0.2034
 TOC: 2000'

Calc TOC +/- 2000'

Pictured Cliffs perms
 2512 to 2530'

PBTD N/A
 TD 2630'



Proposed Wellbore Diagram (REVISED)

DJR Operating, LLC

Jicarilla Florance D 4

API # 30-039-08080

NW/NE, Unit B, Sec 6, T23N, R04W
Rio Arriba County, NM

GL 6925'
KB N/A
Spud Date 5/20/1966

SURF CSG

Hole size 9.875"
Csg Size: 7.625"
Wt: 26#
Grade: N/A
ID: 6.844"
Depth 82'
cap cf/ft: 0.2649
TOC: 75 sx

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San Jose	Surf
Nacimiento*	565'
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Kirtland	2170'
Fruitland	2285'
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PROD CSG

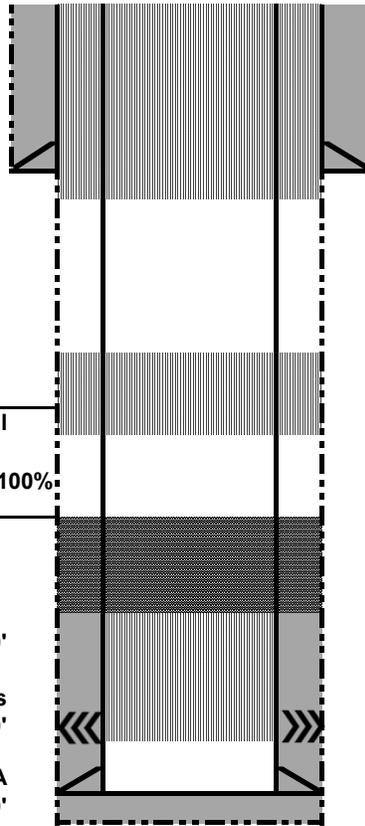
Hole size 6.75"
Csg Size: 2.875"
Wt: 6.5#
Grade: N/A
ID: 2.441"
Depth 2627'
cap cf/ft: 0.0325
Csg/Csg Ann, cf/ft: 0.2198
Csg/OH Ann, cf/ft: 0.2034
TOC: 2000'

NOTE: All inside plugs will include 50' excess and all outside plugs will include 100% excess cement.

Calc TOC +/- 2000'

Pictured Cliffs perms
2512 to 2530'

PBTD N/A
TD 2630'



Plug 4: Surface casing and plug: Perforate holes at 132'. Tie onto casing and pump sufficient volume to bring TOC to surface, inside and outside.

Plug 3: Nacimiento: Perforate holes at 615'. With end of tubing at 615', mix and pump sufficient volume to bring TOC to 515' inside and outside. Pressure up to squeeze cement into perms.

Plug 2: Ojo Alamo: Perf holes at 2058'. With end of tubing at 2058', mix and pump sufficient volume to bring TOC to 1958', inside and outside. Pressure up to squeeze cement into perms.

Plug 1: Pictured Cliffs, Fruitland, and Kirtland: Spot sufficient volume to cover from 2560' to 2120'. Run CBL.

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

AFMSS 2 Sundry ID 2699104

Attachment to notice of Intention to Abandon

Well: Jicarilla Florance D 4

* Geology report completed during the approval of Sundry ID 2631647

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.

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 10/25/2022

**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 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)

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 12/3/2021

Well No. Jicarilla Florance D #4 (API# 30-039-08080)	Location	790	FNL	&	1850	FEL
Lease No. Jicarilla Contract 362	Sec. 06	T23N			R04W	
Operator DJR Operating, LLC	County	Rio Arriba		State	New Mexico	
Total Depth 2630'	PBTD	Formation Pictured Cliffs				
Elevation (GL) 6925'	Elevation (KB) 6936'					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm	Surface	565			Surface/freshwater sands
Nacimiento Fm	565			2008	Freshwater sands
Ojo Alamo Ss			2008	2170	Aquifer (freshwater)
Kirtland Shale			2170	2285	
Fruitland Fm			2285	2510	Coal/Gas/Possible water
Pictured Cliffs Ss			2510	TD	Gas
Lewis Shale					
Chacra					
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 CBL on file.

- The plugs proposed in the P&A procedure will adequately protect any freshwater sands in this well bore.
- Pictured Cliffs perfs 2512' – 2530'.

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 154177

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 154177
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	10/31/2022
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	10/31/2022
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	10/31/2022