

Well Name: JICARILLA 159	Well Location: T23N / R2W / SEC 18 / SWSE /	County or Parish/State: RIO ARRIBA / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC159	Unit or CA Name:	Unit or CA Number:
US Well Number: 300390505400S1	Well Status: Producing Gas Well	Operator: DJR OPERATING LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Plug and Abandonment
Date Sundry Submitted: 01/25/2021	Time Sundry Submitted: 12:35
Date proposed operation will begin: 01/25/2021	
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_159_1_Reclamation_Plan_20210125123522.pdf
 - Jicarilla_159_1_Proposed_WBD_20210125123514.pdf
 - Jicarilla_159_1_Current_WBD_20210125123506.pdf
 - Jicarilla_159_1_PA_Procedure_20210125123459.pdf

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Conditions of Approval

Specialist Review

General_Requirement_P_A_20210324113316.pdf

Additional Reviews

Jicarilla1591GeoRpt_20210506113200.pdf

Authorized Officer

PA_COA_notifications_20210510155249.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: JAN 25, 2021 12:35 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: CHRISTOPHER P WENMAN

BLM POC Title: Natural Resource Specialist

BLM POC Phone: 5055647600

BLM POC Email Address: cwenman@blm.gov

Disposition: Approved

Disposition Date: 05/10/2021

Signature: Chris Wenman

Plug and Abandonment Procedure
for
DJR Operating, LLC
Jicarilla 159 1
API # 30-039-05054
SW/SE, Unit O, Sec. 18, T23N, R2W
Rio Arriba County, NM

1. Hold Pre job meeting, comply with all NMOCD, BLM, and environmental regulations.
2. MIRU
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. RU Wireline. RIH with CBL and run from PBTD (3087') to surface. Adjust plug depths based on CBL TOC, if necessary. RD Wireline.
8. PU 2-3/8" workstring. TIH to 3050'.
9. Plug 1: Perforations, Pictured Cliffs, Kirtland-Fruitland, and Ojo Alamo: Mix and pump a 463' plug of Class G cement from 3050-2587'. Pump water to ensure tubing is clear. PUH to 2000'. WOC 4 hours. Tag TOC to ensure top at least to 2587'.
10. Plug 2. Nacimiento: Mix and pump a 100' balanced plug of Class G cement from 1698-1598'. Pump water to ensure tubing is clear. TOOH.
11. Plug 3: Surface casing shoe: Perforate 4 holes at 560'. Tie onto 9-5/8" casing. Mix and pump sufficient Class G cement to bring to surface inside and outside 9-5/8".

12. 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.
13. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination 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.

Surface PxA marker is to be installed at surface, 12"x18", and exposed at the reclaimed GL surface.

Current Wellbore Diagram

DJR Operating, LLC

Jicarilla 159 1

API # 30-039-05054

SW/SE, Unit O, Sec 18, T23N, R2W

Rio Arriba County, NM

GL 7303'

KB 7316'

Spud Date 7/1/1955

SURF CSG

Hole size 17.5"
 Csg Size: 13.375"
 Wt: 48#
 Grade: H-40
 ID: 12.715"
 Depth 510'
 Csg cap ft³: 0.8817
 TOC: Surf

FORMATION TOPS

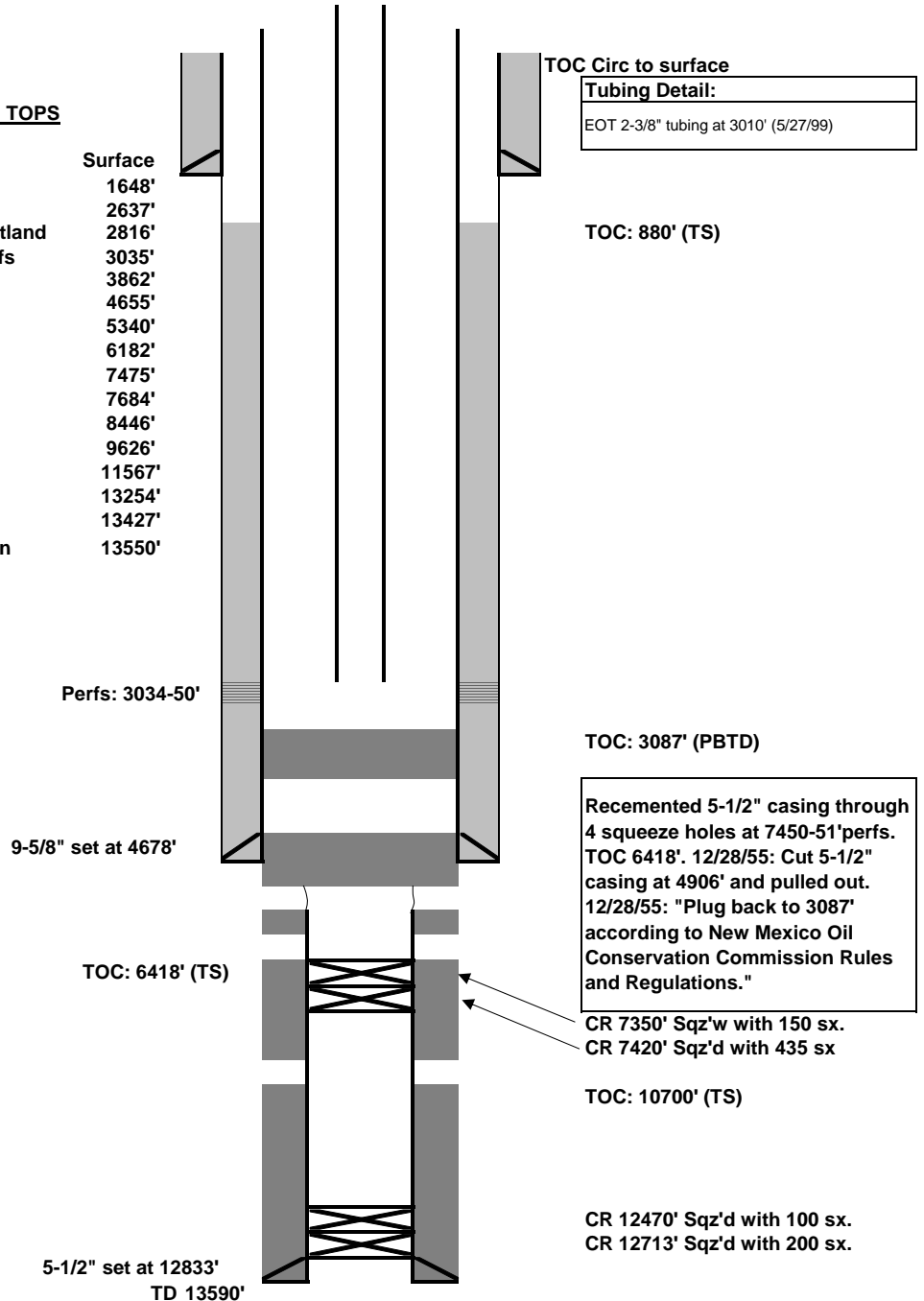
San Jose	Surface
Nacimiento	1648'
Ojo Alamo	2637'
Kirtland-Fruitland	2816'
Pictured Cliffs	3035'
Chacra	3862'
Mesa Verde	4655'
Mancos	5340'
Gallup	6182'
Dakota	7475'
Morrison	7684'
Entrada	8446'
Cutler	9626'
Hermosa	11567'
Molas	13254'
Leadville	13427'
Pre-Cambrian	13550'

INT CSG

Hole size 12.25"
 Csg Size: 9.625"
 Wt: 36/40#
 Grade: J-55
 ID: 8.921"
 Depth 4678'
 Csg cap ft³: 0.434
 Csg/Csg Ann ft³: 0.3132
 TOC: 880' TS

PROD CSG

Hole size 7.875"
 Csg Size: 5.5"
 Wt: 17/20#
 Grade: J-55
 ID: 4.882"
 Depth 12,833'
 Csg cap ft³: 0.1336
 Csg/Csg Ann ft³: 0.1926
 Csg/OH cap ft³: 0.1733
 TOC: Stg 1 Circ cmt to surf
 TOC: Stg 2 (Calc) Circ cmt to surf



Proposed
DJR Operating, LLC
Jicarilla 159 1
 API # 30-039-05054
 SW/SE, Unit O, Sec 18, T23N, R2W
 Rio Arriba County, NM

GL 7303'
 KB 7316'
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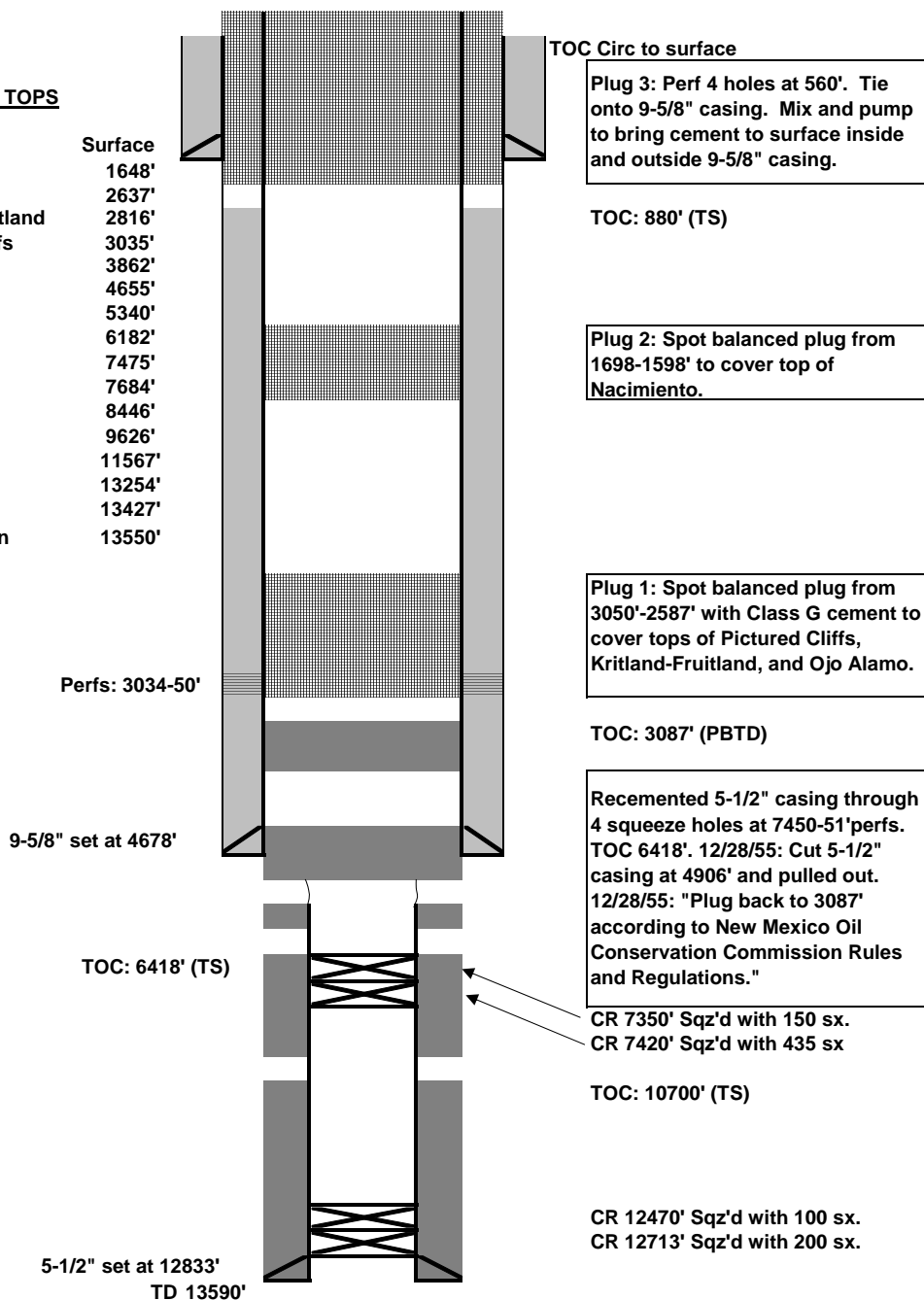
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**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

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**

Attachment to Notice of Intention to Abandon:

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 (505) 564-7750.

BLM FLUID MINERALS Geologic Report

Date Completed: 3/15/21

Well No.	Jicarilla 159 # 1	Location	990'	FSL	&	1650'	FEL
Lease No.	Jic 159	Sec. 18	T23N			R2W	
Operator	DJR Operating LLC		County	Rio Arriba		State	New Mexico
Total Depth	12833'	PBTD 3087'	Formation Blanco Pictured Cliffs South				
Elevation (GL) 7303'			Elevation (KB) 7310'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	1698'	Surface/Fresh water sands
Nacimiento Fm			1698'	2618'	Fresh water sands
Ojo Alamo Ss			2618'	2818'	Aquifer (fresh water)
Kirtland Shale			2818'	2925'	
Fruitland Fm			2925'	3035'	Coal/Gas/Possible water
Pictured Cliffs Ss			3035'	3103'	Gas
Lewis Shale			3103'		
Chacra					Probable water or dry
Cliff House Ss (main)					Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale					Source rock
Gallup					O&G/Water
Dakota					O&G/Water

Remarks:

P & A

- Please ensure that the tops of the Pictured Cliffs and Fruitland formations as well as the entire Ojo Alamo aquifer, identified in this report, are isolated by proper placement of cement plugs. This will protect the freshwater sands in this well bore.

Reference Well:

1) Epic Energy
Mobile Apache 18 # 3
2310' FSL, 790' FWL
Sec 18, 23N, 2W
GL 7303'

Fm Tops

Prepared by: Walter Gage

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

COMMENTS

Action 30080

COMMENTS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 30080
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 6/16/2021	6/16/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	6/16/2021
kpickford	CBL required.	6/16/2021