

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

| | | |
|--------------------------------------|--|---|
| Well Name: JICARILLA APACHE F | Well Location: T25N / R5W / SEC 16 / NWSE / | County or Parish/State: RIO ARRIBA / NM |
| Well Number: 5 | 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: 3003960036 | Well Status: Producing Gas Well | Operator: DJR OPERATING LLC |

Notice of Intent

Sundry ID: 2677682

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 06/20/2022

Time Sundry Submitted: 09:19

Date proposed operation will begin: 06/20/2022

Procedure Description: This NOI to P&A is being submitted for engineering & geological review prior to onsite inspection as approved by Dave M. of the BLM. A Reclamation Plan will be submitted on a subsequent sundry at a later date. 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_20220620091932.pdf

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County or Parish/State: RIO ARRIBA / NM

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Unit or CA Name:

Unit or CA Number:

US Well Number: 3003960036

Well Status: Producing Gas Well

Operator: DJR OPERATING LLC

Conditions of Approval

Specialist Review

General_Requirement_PxA_20220623091703.pdf

2677682_NOIA_F_5_3003960036_KR_06232022_20220623091643.pdf

25N5W16JicarillaApacheF5KGR_20220623091625.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: JUN 20, 2022 09:19 AM

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: 06/23/2022

Signature: Kenneth Rennick

Plug and Abandonment Procedure
for
DJR Operating, LLC
Jicarilla Apache F 5
API # 30-039-60036
NW/SE, Unit J, Sec. 16, T25N, R5W
Rio Arriba County, NM

1. Hold pre-job meeting, comply with all NMOCD, BLM and environmental regulations.
2. Check and record tubing, casing and bradenhead pressures.
3. 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.
4. ND WH, NU BOP, function test BOP.
5. Release Baker Model D packer and TOOH with packer and 2 3/8" tubing. LD packer and tubing to be sent in for storage/salvage.
6. PU workstring, TIH with bit and scraper, make sure that the bit and scraper will go below 3760'. TOOH.
7. Plug 1: Chacra: TIH with CR and set near 3760'. Attempt to squeeze below CR with 10 sx. Sting out and spot plug on top of CR to bring TOC to 3716'. Pump water to ensure tubing is clear. TOOH.
8. Plug 2: Pictured Cliffs perfs: TIH with CR and set near 2890'. Pressure test tubing to 1000 psi. Sting out of CR. Roll hole Pressure test casing to 600 psi. Sting back into CR and attempt to squeeze below CR with 10 sx. TOOH
9. MIRU logging truck. Run CBL log from CR to surface. Hold 600 psi on casing if possible. Electronic copy of CBL to be sent to; Monica Kuehling, NMOCD mkuehling@state.nm.us, Kenneth Renneck, BLM krenneck@blm.gov, Scott Lindsay, DJR slindsay@djrlc.com, and Loren Diede, DJR ldiede@djrlc.com.
10. Plug 3: Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo: Spot blind plug from top of CR to 2120'. Pump water to ensure tubing is clear. TOOH.

11. Plug 4: Nacimiento: Perf holes at 845'. Set CR near 795'. Mix and pump sufficient volume to bring TOC to 745' inside and outside. Pump water to ensure tubing is clear.
12. Plug 5: Surface casing shoe and surface: Perf holes at 270'. Mix and pump sufficient volume to bring cement to surface inside and outside.
13. RD cementing equipment. Cut off wellhead, fill annuli 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.
14. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
15. 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. /sk. Cement volumes are based on inside capacities +50' 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 5
 API # 30-039-60036
 NW/SE, Unit J, Sec 16, T25N, R5W
 Rio Arriba County, NM

GL 6751'
 KB 6758'
 Spud Date 7/17/1957

SURF CSG

Hole size 12.25"
 Csg Size: 8.625"
 Wt: 24#
 Grade: J-55
 ID: 8.097"
 Depth 220'
 casing cap ft³/ft: 0.3575
 TOC: Circ. cement to surface

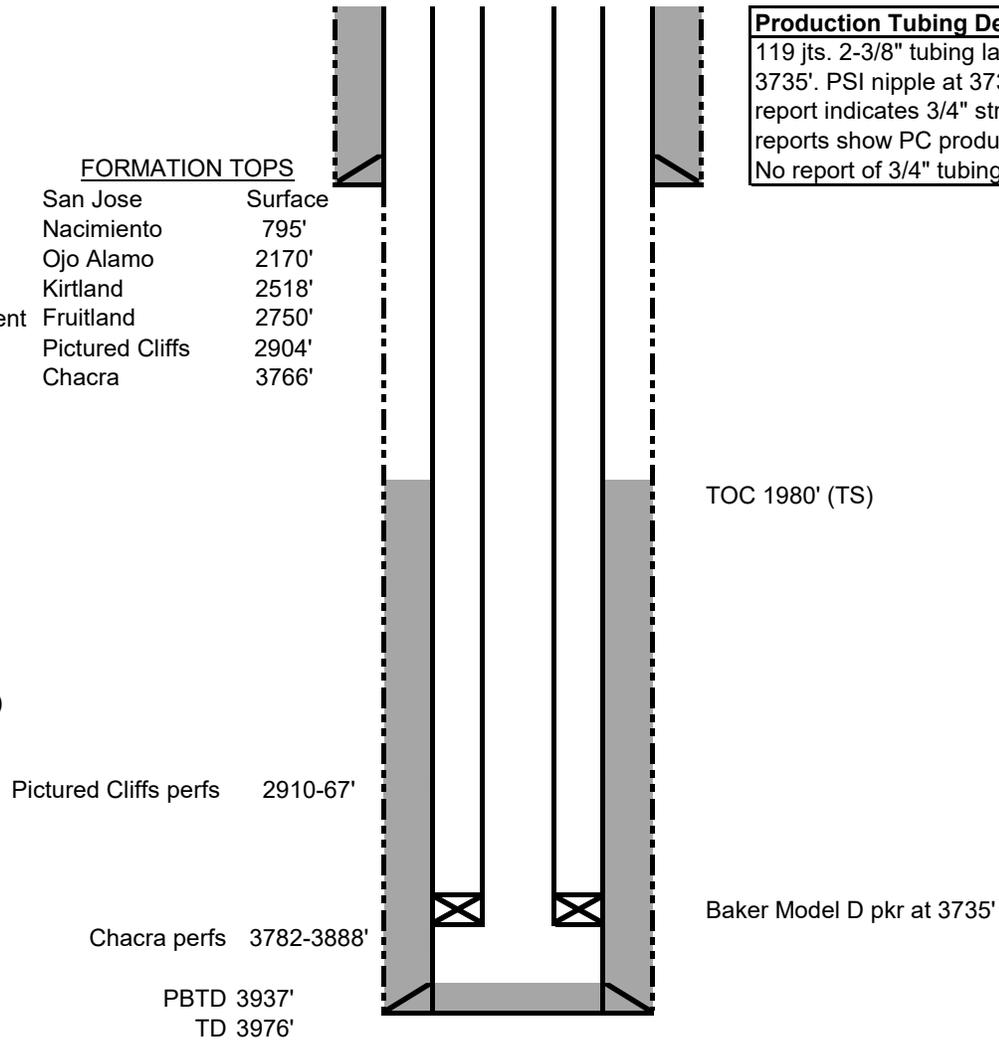
FORMATION TOPS

| | |
|-----------------|---------|
| San Jose | Surface |
| Nacimiento | 795' |
| Ojo Alamo | 2170' |
| Kirtland | 2518' |
| Fruitland | 2750' |
| Pictured Cliffs | 2904' |
| Chacra | 3766' |

PROD CSG

Hole size 7.875"
 Csg Size: 5.5"
 Wt: 15.5#
 Grade: N/A
 ID: 4.950"
 Depth 3976'
 Casing cap ft³/ft: 0.1336
 Csq/csq Ann. ft³/ft 0.1926
 Csq/OH ft³/ft 0.1733
 TOC: 1980' (TS)

| |
|--|
| Production Tubing Detail |
| 119 jts. 2-3/8" tubing landed in packer at 3735'. PSI nipple at 3734'. Earliest report indicates 3/4" string for PC. Later reports show PC produced up casing. No report of 3/4" tubing being removed. |



DJR Operating, LLC
Proposed Wellbore Diagram
Jicarilla Apache F 5
API # 30-039-60036
NW/SE, Unit J, Sec 16, T25N, R5W
Rio Arriba County, NM

GL 6751'
KB 6758'
Spud Date 7/17/1957

SURF CSG

Hole size 12.25"
 Csg Size: 8.625"
 Wt: 24#
 Grade: J-55
 ID: 8.097"
 Depth 220'
 casing cap ft³/ft: 0.3575
 TOC: Circ. cement to surface

| FORMATION TOPS | | |
|-----------------|---------|--|
| San Jose | Surface | |
| Nacimiento | 795' | |
| Ojo Alamo | 2170' | |
| Kirtland | 2518' | |
| Fruitland | 2750' | |
| Pictured Cliffs | 2904' | |
| Chacra | 3766' | |

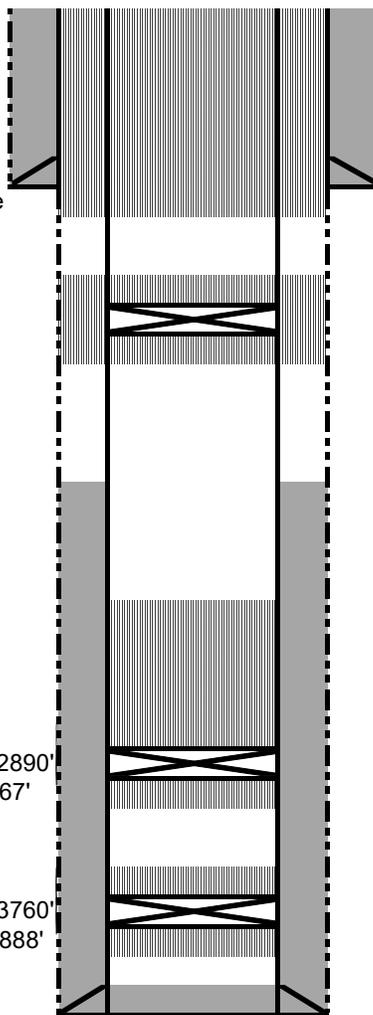
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 TOC: 1980' (TS)

Cement Ret. 2890'
 Pictured Cliffs perms 2910-67'

Cement Ret. 3760'
 Chacra perms 3782-3888'

PBTD 3937'
 TD 3976'



Plug 5: Surface casing shoe, surface: Perf holes at 270'. Mix and pump sufficient cement to bring TOC to surface, inside and outside.

Plug 4: Nacimiento: Perf holes at 845'. Set CR near 795'. Mix and pump sufficient volume to bring TOC to 745' inside and outside.

TOC 1980' (TS)

Plug 2: Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo: Set CR near 2890'. Squeeze below CR with 10 sx. Run CBL. Plug 3: Spot plug on top of CR to bring TOC to 2120'.

Plug 1: Chacra: Set CR near 3760'. Attempt to pump 10 sx cement through CR. Spot plug on top of CR to bring TOC to 3716'.

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

AFMSS 2 Sundry ID 2677682

Attachment to notice of Intention to Abandon

Well: Jicarilla Apache F 5

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 6/23/2022

**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: 06/23/2022

| | | | | | |
|---|------------|------------------------------------|-------|------------|-----|
| Well No. Jicarilla Apache F 5 (API# 30-039-60036) | Location: | NWSE | | | |
| Lease No. JIC149 | Sec. 16 | T25N | | | R5W |
| Operator DJR Operating, LLC | County | Rio Arriba | State | New Mexico | |
| Total Depth 3976' | PBTD 3937' | Formation Pictured Cliffs & Chacra | | | |
| Elevation (GL) 6751' | | Elevation (KB) 6758' | | | |

| Geologic Formations | Est. Top | Est. Bottom | Log Top | Log Bottom | Remarks |
|---------------------|----------|-------------|---------|------------|-------------------------------|
| San Jose Fm | | | | | Surface/freshwater sands |
| Nacimiento Fm | 795 | | | | Possible freshwater sands |
| Ojo Alamo Ss | 2170 | | | | Aquifer (possible freshwater) |
| Kirtland Shale | 2518 | | | | |
| Fruitland Fm | 2750 | | | | Coal/Gas/Possible water |
| Pictured Cliffs Ss | 2904 | | | | Gas |
| Lewis Shale | | | | | |
| Chacra | 3766 | | | | Gas |
| Cliff House | | | | | Water/Possible gas |
| Menefee Fm | | | | | Coal/Ss/Water/Possible O&G |
| Point Lookout Ss | | | | | Probable water/Possible O&G |
| Mancos | | | | | Water/Possible gas |
| Gallup | | | | | O&G/Water |
| Greenhorn | | | | | |
| Graneros Shale | | | | | |
| Dakota Ss | | | | | O&G/Water |

Remarks:
P & A

Reference Well:

- Picture Cliffs perforations 2910 – 2967', Chacra perforations 3782 – 3888'
- No available Rasters logs. Use the formation top estimates done by the operator. Appropriate for the area.

Prepared by: Kenneth Rennick

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 119963

CONDITIONS

| | |
|---|---|
| Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410 | OGRID: 371838 |
| | Action Number: 119963 |
| | Action Type: [C-103] NOI Plug & Abandon (C-103F) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| kpickford | CBL required | 6/28/2022 |
| kpickford | Notify NMOCD 24 Hours Prior to beginning operations | 6/28/2022 |
| kpickford | Adhere to BLM approved COAs and plugs. See GEO report. | 6/28/2022 |