

Well Name: MARTIN-WHITTAKER	Well Location: T23N / R4W / SEC 7 / NENE /	County or Parish/State: RIO ARRIBA / NM
Well Number: 18	Type of Well: OIL WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC362	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003923281	Well Status: Oil Well Shut In	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2631650

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 08/31/2021	Time Sundry Submitted: 02:16
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

- Martin\_Whittaker\_18\_Rec\_Plan\_20210831141600.pdf
- Martin\_Whittaker\_18\_PxA\_Procedure\_20210831141559.pdf
- Martin\_Whittaker\_18\_Proposed\_WBD\_20210831141559.pdf
- Martin\_Whittaker\_18\_Current\_WBD\_20210831141559.pdf

<b>Well Name:</b> MARTIN-WHITTAKER	<b>Well Location:</b> T23N / R4W / SEC 7 / NENE /	<b>County or Parish/State:</b> RIO ARRIBA / NM
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<b>US Well Number:</b> 3003923281	<b>Well Status:</b> Oil Well Shut In	<b>Operator:</b> DJR OPERATING LLC

Conditions of Approval

Additional Reviews

General\_Requirement\_PxA\_20220111135102.pdf  
2631650\_NOIA\_18\_3003923281\_KR\_01112022\_20220111135042.pdf  
Martin\_Whittaker\_18\_Geo\_Rpt\_20220111130812.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.

<b>Operator Electronic Signature:</b> SHAW-MARIE FORD	<b>Signed on:</b> AUG 31, 2021 02:16 PM
<b>Name:</b> DJR OPERATING LLC	
<b>Title:</b> Regulatory Specialist	
<b>Street Address:</b> 1 Road 3263	
<b>City:</b> Aztec	<b>State:</b> NM
<b>Phone:</b> (505) 632-3476	
<b>Email address:</b> sford@djrlc.com	

Field Representative

<b>Representative Name:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b>		
<b>Email address:</b>		

BLM Point of Contact

<b>BLM POC Name:</b> KENNETH G RENNICK	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5055647742	<b>BLM POC Email Address:</b> krennick@blm.gov
<b>Disposition:</b> Approved	<b>Disposition Date:</b> 01/11/2022
<b>Signature:</b> Kenneth Rennick	

**Plug and Abandonment Procedure**  
**for**  
**DJR Operating, LLC**  
**Martin Whittaker 18**  
**API # 30-039-23281**  
**NE/NE, Unit A, Sec. 7, T23N, R4W**  
**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. MIRU hot oil unit, pump hot water to clear tubing of paraffin.
6. TOOH with rods and pump. Lay down to be sent in for storage/salvage.
7. ND WH, NU BOP, function test BOP.
8. Trip out of hole with 2 3/8" tubing. LD tubing to be sent in for storage/salvage.
9. RDMO prep rig to next location.

**II.**

10. MIRU P&A rig and equipment.
11. PU workstring. Ensure tubing can go below 6862'. Drop standing valve and pressure test tubing to 1000 psi. Recover standing valve.
12. Plug 1: Dakota top and lower perms. RU cement equipment. Spot balanced plug of Class G cement from 6862' to 6318'. Pull up and pump water to ensure tubing is clear. WOC. Tag TOC.

13. Plug 2: Gallup top and upper perms: Spot balanced plug of Class G cement from 5719'-5372'. Pull up and pump water to ensure tubing is clear. TOOH.
14. TIH with bit and 7" casing scraper. Tag TOC. Roll hole. Pressure test casing to 600 psi. If casing does not test, contact engineering.
15. RU and RIH with wireline and run CBL from top of cement as tagged in Step 14 to surface. Electronic copy of CBL to be sent to: Brandon Powell, NMOCD [Brandon.Powell@state.nm.us](mailto:Brandon.Powell@state.nm.us), Joe Killins, BLM [jkillins@blm.gov](mailto:jkillins@blm.gov), John Hoffman, BLM [jhoffman@blm.gov](mailto:jhoffman@blm.gov), Loren Diede, DJR, [ldiede@djrlc.com](mailto:ldiede@djrlc.com), and Scott Lindsay, DJR, [slindsay@djrlc.com](mailto:slindsay@djrlc.com). P&A procedure may be modified as determined by the casing pressure test and the CBL log.
16. Plug 3: Mancos, 7" casing shoe, and 4-1/2" liner top: Spot 326' balanced plug of Class G cement from 4900' to 4574'. Pump water to ensure tubing is clear. TOOH.
17. PU and TIH with bit and 7" casing scraper. Tag TOC. Make sure casing scraper will go past 4076'. TOOH.
18. RIH with wireline and perforate 4 holes at 4076'. POOH with wireline.
19. Plug 4: Mesaverde: TIH with 7" CR and set at 4026'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 3976' outside of casing. Sting out of retainer and spot 50' of cement on top of CR. Pull up and pump water to ensure tubing is clear. TOOH.
20. RIH with wireline and perforate 4 holes at 2985'. POOH with wireline.
21. Plug 5: Chacra, Pictured Cliffs, and Fruitland: TIH with 7" CR and set at 2935'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 2396' outside of casing. Sting out of retainer and spot 50' of cement on top of CR. Pull up and pump water to ensure tubing is clear.
22. Plug 6: Kirtland and Ojo Alamo: TIH to 2249'. Spot 477' balanced plug of Class G cement from 2249' to 1902'. Pump water to ensure tubing is clear. TOOH.
23. RIH with wireline and perforate 4 holes at 821'. POOH with wireline.
24. Plug 7. Nacimiento: TIH with 7" CR and set at 771'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 721' outside of casing. Sting out of retainer and spot 50' of cement on top of CR. Pull up and pump water to ensure tubing is clear. TOOH.

25. RIH with wireline and perforate 4 holes at 330'. POOH with wireline.
26. Plug 8: Surface casing shoe to surface: Tie onto 7" casing. Establish rate with water. Mix and pump sufficient Class G cement to bring cement to surface inside and outside 7" casing.
27. 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.
28. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
29. 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 it to be installed at surface, 12"x18", and exposed at the reclaimed GL surface.**

## Current Wellbore Diagram

DJR Operating, LLC

Martin Whittaker 18

API # 30-039-23281

NE/NE, Unit A, Sec 7, T23N, R4W

Rio Arriba County, NM

GL 6894'

KB 6906'

Spud Date 12/24/1983

SURF CSG

Hole size 12.25"  
 Csg Size: 9.625"  
 Wt: 40#  
 Grade: J-55  
 ID: 8.097"  
 Depth 280'  
 Csg cap ft<sup>3</sup>: 0.4257  
 TOC: Surf

FORMATION TOPS

San Jose	Surface
Nacimiento*	771'
Ojo Alamo*	1952'
Kirtland*	2199'
Fruitland*	2446'
Pictured Cliffs*	2550'
Chacra*	2935'
Mesa Verde	4026'
Mancos	4850'
Gallup	5669'
Dakota	6812'

\*Incomplete open hole logs. Tops estimated from MW 18 Induction log 12/18/83.

PROD CSG

Hole size 8.75"  
 Csg Size: 7"  
 Wt: 23#  
 Grade: J-55  
 ID: 6.366"  
 Depth 4820'  
 Csg cap ft<sup>3</sup>: 0.2210  
 Csg/Csg Ann ft<sup>3</sup>: 0.1585  
 Csg/OH cap ft<sup>3</sup>: 0.1503  
 TOC: Stg 1 (CBL) 4862'  
 TOC: Stg 2 (TS) 1675'  
 DV Tool at 2330'

Liner

Hole size 6.5"  
 Csg Size: 4.5"  
 Wt: 11.6#  
 Grade: N-80  
 ID: 4.000  
 Depth 4624'-6960'  
 Csg cap ft<sup>3</sup>: 0.0872  
 Csg/OH cap ft<sup>3</sup>: 0.1200  
 TOC: Stg 1 (CBL) 4862'  
 Cmt sqz top (CBL) 3522'

Perfs 5422'-5915'

Perfs 6368'-6496'

PBTD 6909'

TD 6960'

TOC Circ to surface

TOC: 1675' (TS)

DV Tool at 2330'

Liner sqz'd with 100 sx. TOC 3522' (CBL)

Liner top at 4624'  
 7" Casing shoe at 4820'  
 TOC 4862' (CBL)

**Tubing Detail:**

2-3/8": MA, 4' PS, SN, 40 jts., TAC,  
 165 jts.

**Rod Detail:**

2"x1-1/4"x8'x9'x13' RHACZ pump,  
 18x7/8" molded guide rods, 242x3/4"  
 plain, 8'x4'x3/4" rod subs, 1-1/4"x22'  
 polished rod with 1-1/2"x12' liner.

## Proposed Wellbore Diagram

DJR Operating, LLC

Martin Whittaker 18

API # 30-039-23281

NE/NE, Unit A, Sec 7, T23N, R4W

Rio Arriba County, NM

GL 6894'

KB 6906'

Spud Date 12/24/1983

SURF CSG

Hole size 12.25"  
 Csg Size: 9.625"  
 Wt: 40#  
 Grade: J-55  
 ID: 8.097"  
 Depth 280'  
 Csg cap ft3: 0.4257  
 TOC: Surf

FORMATION TOPS

San Jose	Surface
Nacimiento*	771'
Ojo Alamo*	1952'
Kirtland*	2199'
Fruitland*	2446'
Pictured Cliffs*	2550'
Chacra*	2935'
Mesa Verde	4026'
Mancos	4850'
Gallup	5669'
Dakota	6812'

\*Incomplete open hole logs. Tops estimated from MW 18 Induction log 12/18/83.

Liner sqz'd with 100 sx. TOC  
 3522' (CBL)

PROD CSG

Hole size 8.75"  
 Csg Size: 7"  
 Wt: 23#  
 Grade: J-55  
 ID: 6.366"  
 Depth 4820'  
 Csg cap ft3: 0.2210  
 Csg/Csg Ann ft3: 0.1585  
 Csg/OH cap ft3: 0.1503  
 TOC: Stg 1 (CBL) 4862'  
 TOC: Stg 2 (TS) 1675'  
 DV Tool at 2330'

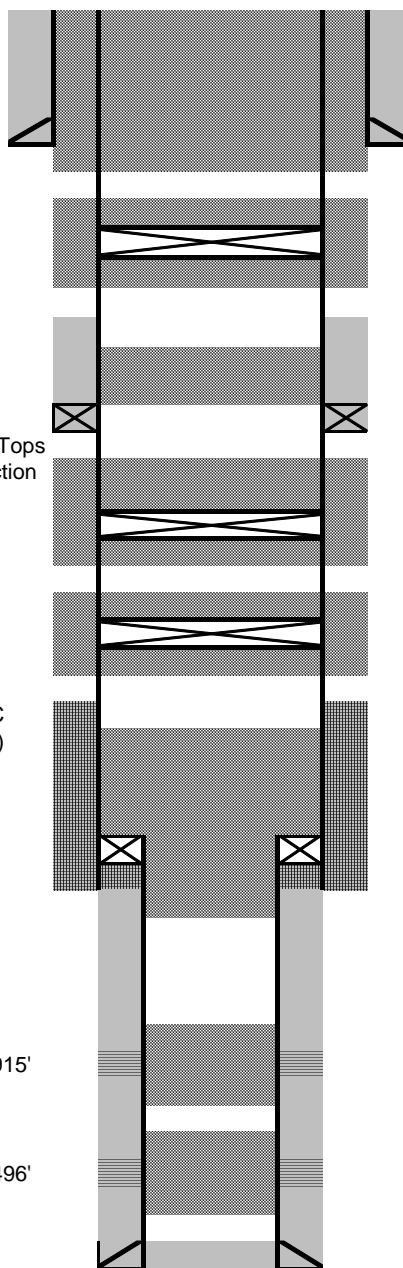
Liner

Hole size 6.5"  
 Csg Size: 4.5"  
 Wt: 11.6#  
 Grade: N-80  
 ID: 4.0000  
 Depth 4624'-6960'  
 Csg cap ft3: 0.0872  
 Csg/OH cap ft3: 0.1200  
 TOC: Stg 1 (CBL) 4862'  
 Cmt sqz top (CBL) 3522'

Perfs 5422'-5915'

Perfs 6368'-6496'

PBTD 6909'  
 TD 6960'



Plug 8: Surface casing shoe to surface: Perf 4 holes at 330'. Tie onto 7" casing and mix and pump sufficient Class G cement to bring cement to surface, inside and outside 7" casing.

Plug 7: Nacimiento: Perf 4 holes at 821'. Set CR at 771'. Sqz below CR with Class G cement to bring TOC to 721' outside casing. Spot 50' plug on top of CR.

TOC: 1675' (TS)

Plug 6: Kirtland, Ojo Alamo: Spot 477' balanced plug of Class G cement from 2249-1902'.

Plug 5: Chacra, PC, FT: Perf 4 holes at 2985'. Set CR at 2935'. Sqz below CR with Class G cement to bring TOC to 2396' outside casing. Spot 539' plug on top of CR.

Plug 4: Mesa Verde: Perf 4 holes at 4076'. Set CR at 4026'. Sqz below CR with Class G cement to bring TOC to 3976' outside casing. Spot 50' plug on top of CR.

Plug 3: Mancos, 7" casing shoe, liner top: Spot 326' balanced plug of Class G cement from 4900'-4574'.

Liner top at 4624'  
 7" Casing shoe at 4820'

Plug 2: Gallup and upper perfs: Spot 347' balanced plug of Class G cement from 5719'-5372'.

Plug 1: Dakota and lower perfs: Spot 533' balanced plug of Class G cement from 6862'-6318'.

**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<sub>2</sub>S.

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 2631650

Attachment to notice of Intention to Abandon

Well: Martin-Whittaker 18

**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. Plug 5 – Should be adjusted for the BLM Chacra top at 2963 feet (base of plug).  
And for the BLM Fruitland top at 2398 feet (top of plug).
  - b. Plug 6 – Should be adjusted for the BLM Kirtland top at 2279 feet (base of plug).  
And for the BLM Ojo Alamo top at 2008 feet (top of plug).
  - c. Plug 7 – Be adjusted for the BLM Nacimiento top at 698 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 1/11/2022

**BLM - FFO - Geologic Report****Date Completed** 1/11/2022

Well No. Martin-Whittaker # 18 Surf. Loc. 660 FNL 760 FEL  
 Sec. 7 T23N R4W  
 Lease No. Jic 362

Operator DJR Operating LLC County Rio Arriba State New Mexico  
 TVD 6960 PBTD 6909 Formation Lindrith Gallup-Dakota  
 Elevation GL 6894 Elevation Est. KB 6906

<b>Geologic Formations</b>	<b>Est. tops</b>	<b>Subsea Elev.</b>	<b>Remarks</b>
San Jose Fm.	Surface	6888	
Nacimiento Fm.	698	6208	Surface /fresh water sands
Ojo Alamo Ss	2008	4898	Fresh water aquifer
Kirtland Fm.	2278	4628	
Fruitland Fm.	2398	4508	Coal/gas/possible water
Pictured Cliffs	2508	4398	Possible gas/water
Lewis Shale (Main)	2718	4188	Source rock
Huerfanito Bentonite	2843	4063	Reference bed
Chacra (upper)	2963	3943	Possible gas/water
Lewis Shale Stringer	3093	3813	Source rock
Chacra (lower)	3252	3654	Possible gas/water
Lewis Shale Stringer	3763	3143	Source rock
Cliff House Ss	4026	2880	Possible gas/water
Menefee Fm.	4113	2793	Coal/water/possible gas
Point Lookout Fm.	4682	2224	Possible gas/water
Mancos Shale	4850	2056	Source rock
Gallup	5669	1237	Oil & gas
Dakota Ss	6812	94	Possible gas/water

Remarks:Reference Wells:

-Vertical wellbore, all formation depths are TVD from KB.  
 -- The Plug 5 base should be adjusted for the BLM Chacra top. The Plug 5 TOC must be adjusted for the BLM Fruitland top.  
 - The Plug 6 base must be adjusted for the BLM Kirtland top. The Plug 6 TOC must be adjusted for the BLM Ojo Alamo top.  
 - Plug 7 must be adjusted for the BLM Nacimiento top.

Prepared by: Walter Gage

Formation tops:  
 1) Surface - Huerfanito Bentonite  
 DJR Operating LLC  
 Jicarilla 396 # 7  
 1090' FNL, 1120' FEL  
 Sec 7A, T23N, R4W  
 GL= 6882', KB= 6888'

2)Upper Chacra - Pt. Lookout  
 DJR Operating LLC  
 Martin-Whittaker 15  
 730 FNL, 1800FWL  
 Sec 7A, T23N, R4W  
 GL= 6882', KB= 6888'

3)Mancos - Dakota  
 DJR Operating LLC  
 Same

**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 71750

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 71750
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/21/2022
kpickford	CBL required	1/21/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report	1/21/2022