

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

Well Name: OJO SOCORRO	Well Location: T21N / R7W / SEC 10 / SWSE / 36.059671 / -107.562634	County or Parish/State: SANDOVAL / NM
Well Number: 34	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM25814	Unit or CA Name:	Unit or CA Number:
US Well Number: 300432073700S1	Well Status: Oil Well Shut In	Operator: M & M PRODUCTION & OPERATION

Notice of Intent

Sundry ID: 2699956

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/27/2022

Time Sundry Submitted: 10:15

Date proposed operation will begin: 08/01/2023

Procedure Description: See attached. DJR Operating, LLC/ DJR Nominee Corporation is submitting the NOI to Abandon as the Record Title Owner of Lease NMNM25814.

Surface Disturbance

Is any additional surface disturbance proposed?: No

Oral Submission

Oral Notification Date: Sep 23, 2022

Oral Notification Time: 12:00 AM

Contacted By: Shaw-Marie Ford

Contact's Email: sford@djrlc.com

Comments: Submitted paper copy because DJR Operating, LLC is not the operator in AFMSS 2. Only the record title owner of the lease.

NOI Attachments

Procedure Description

NMNM25814_Ojo_Socorro_21_7_10_034_NOIA_093232022_20221027101449.pdf

Well Name: OJO SOCORRO

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County or Parish/State: SANDOVAL / NM

Well Number: 34

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM25814

Unit or CA Name:

Unit or CA Number:

US Well Number: 300432073700S1

Well Status: Oil Well Shut In

Operator: M & M PRODUCTION & OPERATION

Conditions of Approval

Additional

21N07W10OKg_Ojo_Socorro_034_20221108143437.pdf

Authorized

NMNM25814_NOIA_34_NOIA_APPROVED_KGR_11092022_20221109131224.pdf

2699956_NOIA_34_3004320737_KR_11092022_20221109131218.pdf

General_Requirement_PxA_20221109131203.pdf

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: 11/09/2022

Signature: Kenneth Rennick

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM25814

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No. Ojo Socorro 21-7-10 #034

2. Name of Operator

DJR OPERATING, LLC

9. API Well No. 30-043-20737

3a. Address

1 ROAD 3263
AZTEC, NM 87410

3b. Phone No. (include area code)

(505) 632-3476

10. Field and Pool or Exploratory Area
Wildcat; Alamito, South-Gallup

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

330' FSL x 2200' FEL / O-10-21N-07W / 36.059665 -107.562599

11. Country or Parish, State
Sandoval County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

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.

Received

SEP 23 2022

Farmington Field Office
Bureau of Land Management

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Shaw-Marie Ford

Regulatory Specialist

Title

Signature

Shaw-Marie Ford

Date

09/21/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Kenneth Pennick

Title

PETROLEUM
ENGINEER

Date

11/09/2022

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FARMINGTON FIELD
OFFICE

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.

(Instructions on page 2)

Plug and Abandonment Procedure
for
DJR Operating, LLC
Ojo Socorro 21-7-10 #034
API # 30-043-20737
SW/SE, Unit O, Sec. 10, T21N, R7W
Sandoval 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. Set tubing stop, in the event that the plunger is still in place. TOOH with tubing and send in for storage/salvage.
6. PU and TIH with bit and 4-1/2" casing scraper on workstring to at least 4040'. TOOH.
7. Plug 1 (Gallup and 7" intermediate casing shoe): PU and TIH with 4-1/2" CR and set near 4040'. Sting out of CR and pressure test casing to 600 psi. Sting back into retainer and attempt to squeeze below CR with 10 sx. Sting out and mix and pump cement from top of CR to 3848'. Pump water to ensure tubing is clear. PU to 3270'.
8. Plug 2 (Mancos): Spot balanced plug from 3270-3170'. Pump water to ensure tubing is clear. Pull up to 1558'.
9. Plug 3 (Mesa Verde and Chacra): Spot balanced plug from 1558-1105'. Pump water to ensure tubing is clear. Pull up to 810'.
10. Plug 4 (Pictured Cliffs and Fruitland): Spot balanced plug from 810-620'. Pump water to ensure tubing is clear. Pull up to 402'.

11. Plug 5 (Kirtland, Ojo Alamo and surface plugs): Spot balanced plug from 402'-surface. Pump water to ensure tubing is clear. TOOH.
12. RD cementing equipment. Cut off wellhead, fill annuli with cement, as necessary. **Install P&A marker as per BLM/OCD 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. Ensure 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 ft³/sk. Cement volumes are to include inside capacities +50' and outside capacities + 100% excess.

Current Wellbore Diagram
DJR Operating, LLC
Ojo Socorro 21-7-10 34

API # 30-043-20737
 SW/SE, Unit O, Sec 10, T21N, R7W
 Sandoval County, NM

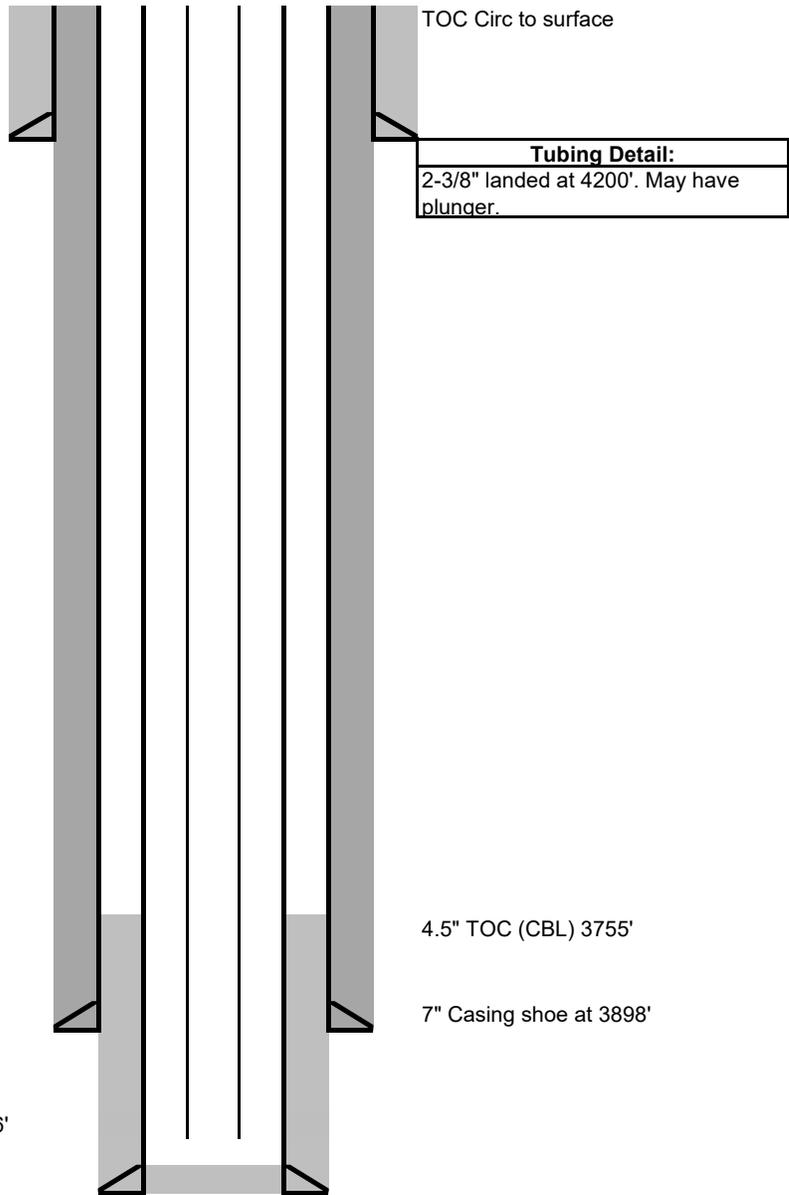
GL 6771'
 KB 6783'
 Spud Date 9/24/1984

<u>Surface</u>		<u>Formation Tops</u>	
Hole size	12.25"	Nacimiento	Surface
Csg Size:	9.625"	Ojo Alamo	220'
Wt:	36#	Kirtland	352'
Grade:	J-55	Fruitland	670'
ID:	8.921"	Pictured Cliffs	760'
Depth	170'	Chacra	1155'
Csg cap ft ³ :	0.434	Mesa Verde	1508'
TOC:	Surf	Mancos	3220'
		Gallup	3910'

<u>Intermediate</u>	
Hole size	8.75"
Csg Size:	7"
Wt:	20#
Grade:	J-55
ID:	6.456"
Depth	3898'
Csg cap ft ³ :	0.2273
Csg/Csg Ann ft ³ :	0.1668
Csg/OH cap ft ³ :	0.1503
TOC:	Circ cement to surface.

<u>Long String</u>	
Hole size	6.25"
Csg Size:	4.5"
Wt:	10.5#
Grade:	K-55
ID:	4.000
Depth	4605-6509'
Csg cap ft ³ :	0.0872
Csg/OH cap ft ³ :	0.1026
TOC (CBL) :	3755'

Perfs 4053-4346'
 PBTD 4353'
 TD 4362'



Proposed Wellbore Diagram
DJR Operating, LLC
Ojo Socorro 21-7-10 34
 API # 30-043-20737
 SW/SE, Unit O, Sec 10, T21N, R7W
 Sandoval County, NM

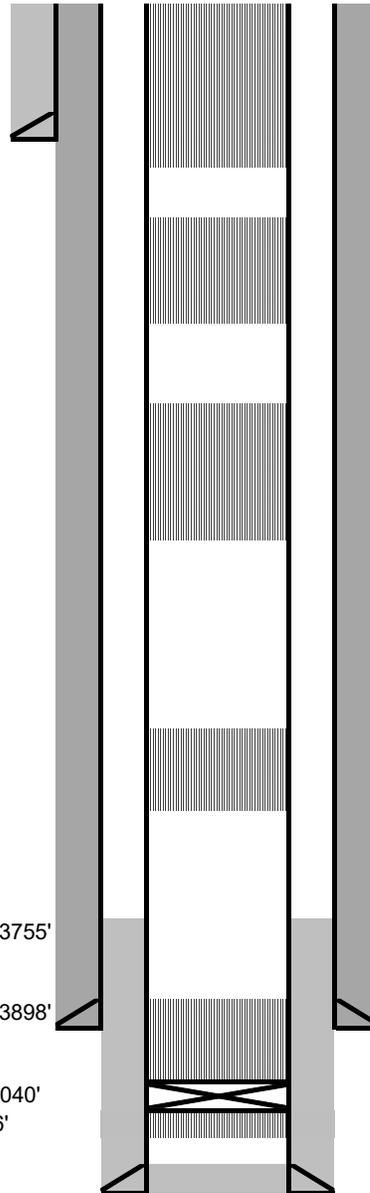
GL 6771'
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 Spud Date 9/24/1984

<u>Surface</u>		<u>Formation Tops</u>	
Hole size	12.25"	Nacimiento	Surface
Csg Size:	9.625"	Ojo Alamo	220'
Wt:	36#	Kirtland	352'
Grade:	J-55	Fruitland	670'
ID:	8.921"	Pictured Cliffs	760'
Depth	170'	Chacra	1155'
Csg cap ft3:	0.434	Mesa Verde	1508'
TOC:	Surf	Mancos	3220'
		Gallup	3910'

<u>Intermediate</u>	
Hole size	8.75"
Csg Size:	7"
Wt:	20#
Grade:	J-55
ID:	6.456"
Depth	3898'
Csg cap ft3:	0.2273
Csg/Csg Ann ft3:	0.1668
Csg/OH cap ft3:	0.1503
TOC:	Circ cement to

<u>Long String</u>	
Hole size	6.25"
Csg Size:	4.5"
Wt:	10.5#
Grade:	K-55
ID:	4.000
Depth	4605-6509'
Csg cap ft3:	0.0872
Csg/OH cap ft3:	0.1026
TOC (CBL) :	3755'

4.5" TOC (CBL) 3755'
 7" Casing shoe at 3898'
 CR near 4040'
 Perfs 4053-4346'
 PBD 4353'
 TD 4362'



TOC Circ to surface

Plug 5 (Kirtland, Ojo Alamo, surface shoe and plug): Spot balanced plug from 402' to surface.

Plug 4 (Pictured Cliffs and Fruitland): Spot balanced plug from 810-620'.

Plug 3 (Mesa Verde and Chacra): Spot balanced plug from 1558-1105'.

Plug 2 (Mancos): Spot balanced plug from 3270-3170'.

Plug 1 (Gallup and 7" shoe): Set CR near 4040'. Attempt to sqz 10 sx below CR. Spot cement on top to 3848'.

All plugs will include 50' excess cement inside casing.

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

AFMSS 2 Sundry ID 2699956

Attachment to notice of Intention to Abandon

Well: Ojo Socorro 34

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 11/9/2022

**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: 11/08/2022

Well No. Ojo Socorro #034 (API# 30-043-20737)	Location	330	FSL	&	2200	FEL
Lease No. NMNM25814	Sec. 10	T21N			R07W	
Operator M & M Production & Operation	County	Sandoval		State	New Mexico	
Total Depth 4362'	PBTD 4353'	Formation Gallup				
Elevation (GL)		Elevation (KB) 6783'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	220	Surface/freshwater sands
Ojo Alamo Ss			220	352	Aquifer (possible freshwater)
Kirtland Shale			352	670	Possible gas
Fruitland			670	760	Coal/Gas/Water
Pictured Cliffs Ss			760	983	Probable Gas
Lewis Shale			983	1155	
Chacra			1155	1508	Gas
Cliff House Ss			1508	1590	Possible gas
Menefee			1590	2990	Possible gas
Point Lookout Ss			2990	3220	Possible gas
Mancos Shale			3220	3910	Oil & Gas
Gallup			3910	PBTD	Oil & Gas
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- Note: DJR Operating, LLC is plugging this well as record title owner of the lease.
- Gallup perfs 4053' – 4346'.

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 157463

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 157463
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	11/14/2022
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	11/14/2022