

<b>Well Name:</b> MARTIN WHITTAKER	<b>Well Location:</b> T23N / R4W / SEC 34 / NWNW /	<b>County or Parish/State:</b> SANDOVAL / NM
<b>Well Number:</b> 54	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b> JICARILLA APACHE
<b>Lease Number:</b> JIC392	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3004320735	<b>Well Status:</b> Producing Oil Well	<b>Operator:</b> DJR OPERATING LLC

**Notice of Intent**

**Sundry ID:** 2650717

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 01/03/2022

**Time Sundry Submitted:** 10:05

**Date proposed operation will begin:** 01/03/2022

**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**

Reclamation\_Plan\_Martin\_Whittaker\_54\_20220103100541.pdf

PxA\_Procedure\_Martin\_Whittaker\_54\_20220103100539.pdf

BIA\_Rationale\_Form\_Martin\_Whittaker\_54\_20220103100539.pdf

Proposed\_WBD\_Martin\_Whittaker\_54\_20220103100539.pdf

Current\_WBD\_Martin\_Whittaker\_54\_20220103100539.pdf

**Well Name:** MARTIN WHITTAKER

**Well Location:** T23N / R4W / SEC 34 /  
NWNW /

**County or Parish/State:**  
SANDOVAL / NM

**Well Number:** 54

**Type of Well:** OIL WELL

**Allottee or Tribe Name:**  
JICARILLA APACHE

**Lease Number:** JIC392

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 3004320735

**Well Status:** Producing Oil Well

**Operator:** DJR OPERATING LLC

### Conditions of Approval

#### Additional Reviews

General\_Requirement\_PxA\_20220110115607.pdf

2650717\_NOIA\_54\_3004320735\_KR\_01102022\_20220110115555.pdf

23N04W34DKd\_Martin\_Whittaker\_54\_20220110095814.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 03, 2022 10:05 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

**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:** 01/10/2022

**Signature:** Kenneth Rennick

**Plug and Abandonment Procedure  
for  
DJR Operating, LLC  
Martin Whittaker 54  
API # 30-043-20735  
NW/NW, Unit D, Sec. 34, T23N, R4W  
Sandoval 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 near 6690'. Drop standing valve and pressure test tubing to 1000 psi. Recover standing valve.
12. Plug 1: Dakota top and abandoned perms: Spot cement plug on top of existing retainer from 6690-6270'. Pull up and pump water to ensure tubing is clear.
13. Plug 2: Gallup top and perms: Spot balanced plug from 5846-5086'. Pump water to ensure tubing is clear. TOOH. WOC.
14. TIH with tagging sub and tag TOC. Roll hole. Pressure test casing to 600 psi. If casing does not test, contact engineering. TOOH.

15. RU wireline. RIH with GR/CCL/CBL from TOC inside 4-1/2" casing to surface. Hold 500 psi on casing if possible. Send CBL log to Kenny Rennick [krennick@blm.gov](mailto:krennick@blm.gov), Monica Kueling [monica.kueling@state.nm.us](mailto:monica.kueling@state.nm.us), ;Brandon Powell [PowellBrandon.powell@state.nm.us](mailto:PowellBrandon.powell@state.nm.us), Loren Diede [ldiede@djrlc.com](mailto:ldiede@djrlc.com), Scott Lindsay [slindsay@djrlc.com](mailto:slindsay@djrlc.com). Plugs may be adjusted per log run.
16. Plug 3: Mancos, 7" casing shoe, and 4-1/2" liner top: TIH and spot balanced plug from 4951-4672'. 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 3918'. TOOH.
18. RIH with wireline and perforate holes at 3918'. POOH with wireline.
19. Plug 4: Mesaverde: TIH with 7" CR and set at 3868'. Establish rate with water. Squeeze below retainer to bring TOC to 3818' 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 holes at 2858'. POOH with wireline.
21. Plug 5: Chacra: TIH with 7" CR and set at 2808'. Establish rate with water. Squeeze below retainer to bring TOC to 2758' 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: Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo: Spot balanced plug of Class G cement from 2445-1906'. Pump water to ensure tubing is clear. TOOH.
23. RIH with wireline and perforate holes at 700'. POOH with wireline.
24. Plug 7. Nacimiento: TIH with 7" CR and set at 650'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 600' 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 holes at 310'. 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 54**

API # 30-043-20735

NW/NW, Unit D, Sec 34 T23N, R4W  
Sandoval County, NM

GL 7029'  
KB 7042'  
Spud Date 9/30/1984

SURF CSG

Hole size 12.25"  
Csg Size: 9.625"  
Wt: 32#  
Grade: J-55  
ID: 9.001  
Depth 260'  
Csg cap ft<sup>3</sup>: 0.4418  
TOC: Surf

FORMATION TOPS

San Jose Surface  
Nacimiento 650'  
Ojo Alamo 1956'  
Kirtland 2101'  
Fruitland 2230'  
Pictured Cliffs 2395'  
Chacra 2808'  
Mesa Verde 3868'  
Mancos 4722'  
Gallup 5341'  
Dakota 6598'

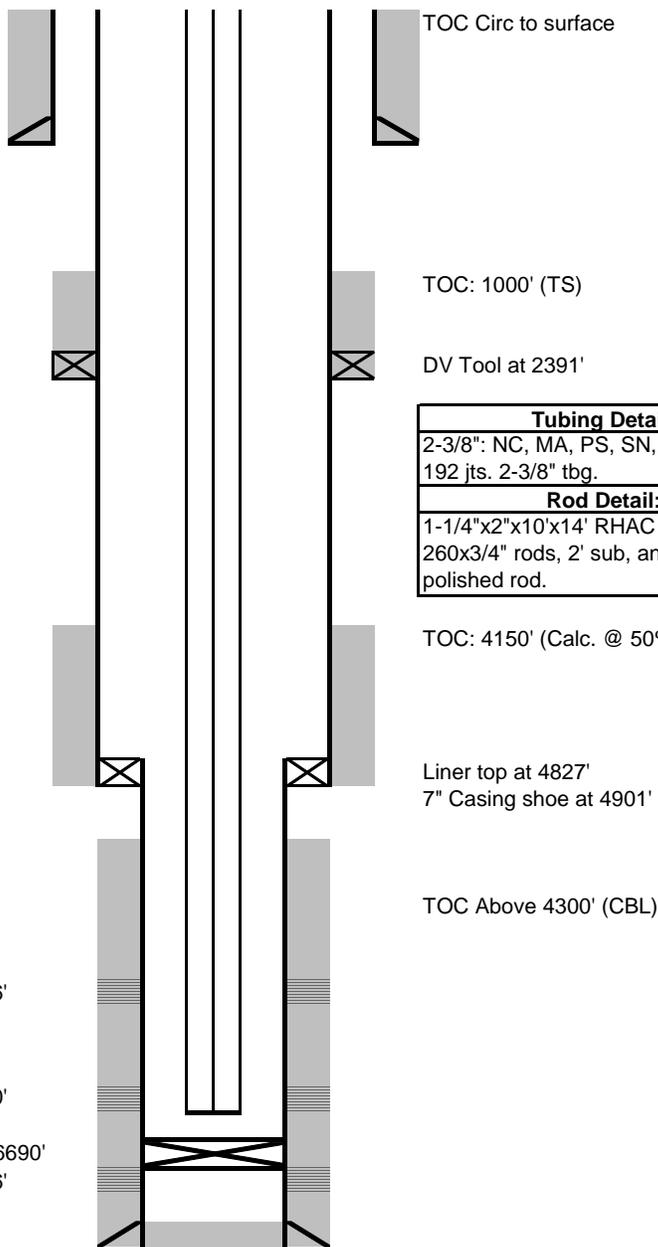
PROD CSG

Hole size 8.75"  
Csg Size: 7"  
Wt: 23#  
Grade: J-55  
ID: 6.366"  
Depth 4901'  
Csg cap ft<sup>3</sup>: 0.2210  
Csg/Csg Ann ft<sup>3</sup>: 0.1668  
Csg/OH cap ft<sup>3</sup>: 0.1503  
TOC: Stg 1 (Calc.) 4150'  
TOC: Stg 2 (TS) 1000'  
DV Tool at 2391'

Liner

Hole size 6.25"  
Csg Size: 4.5"  
Wt: 11.6#  
Grade: K-55  
ID: 4.000  
Depth 4827-6845'  
Csg cap ft<sup>3</sup>: 0.0872  
Csg/OH cap ft<sup>3</sup>: 0.1026  
TOC above 4300' (CBL)

Perfs 5136-5796'  
  
Perfs 6320-6570'  
  
BP set at 6690'  
Abandoned Perfs 6706-6776'  
PBSD 6843'  
TD 6845'



TOC Circ to surface

TOC: 1000' (TS)

DV Tool at 2391'

Tubing Detail:	
2-3/8":	NC, MA, PS, SN, 15 jts. TAC,
192 jts.	2-3/8" tbg.
Rod Detail:	
1-1/4"x2"x10"x14'	RHAC pump,
260x3/4"	rods, 2' sub, and 22'
	polished rod.

TOC: 4150' (Calc. @ 50%)

Liner top at 4827'  
7" Casing shoe at 4901'

TOC Above 4300' (CBL)

**Proposed Wellbore Diagram**  
**DJR Operating, LLC**  
**Martin Whittaker 54**  
 API # 30-043-20735  
 NW/NW, Unit D, Sec 34 T23N, R4W  
 Sandoval County, NM

GL 7029'  
 KB 7042'  
 Spud Date 9/30/1984

SURF CSG

Hole size 12.25"  
 Csg Size: 9.625"  
 Wt: 32#  
 Grade: J-55  
 ID: 9.001  
 Depth 260'  
 Csg cap ft3: 0.4418  
 TOC: Surf

FORMATION TOPS

San Jose	Surface
Nacimiento	650'
Ojo Alamo	1956'
Kirtland	2101'
Fruitland	2230'
Pictured Cliffs	2395'
Chacra	2808'
Mesa Verde	3868'
Mancos	4722'
Gallup	5341'
Dakota	6598'

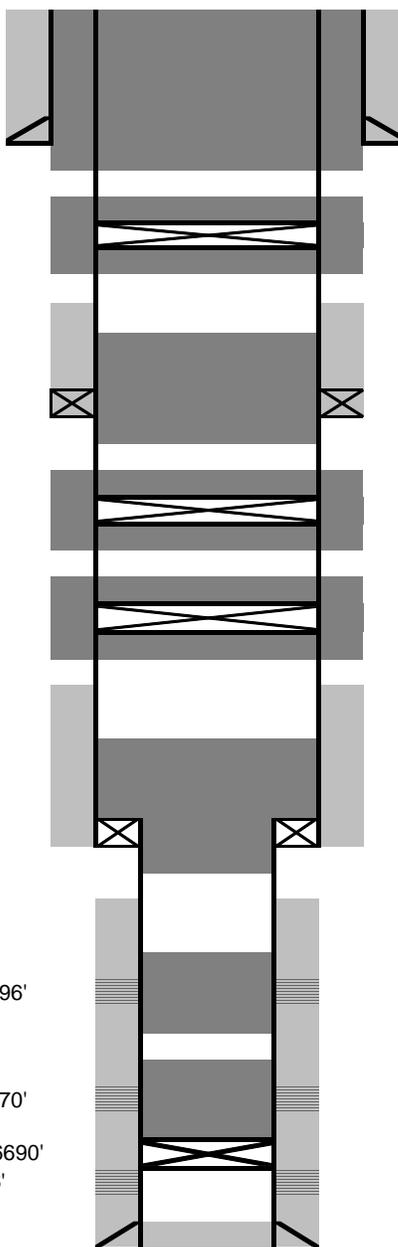
PROD CSG

Hole size 8.75"  
 Csg Size: 7"  
 Wt: 23#  
 Grade: J-55  
 ID: 6.366"  
 Depth 4901'  
 Csg cap ft3: 0.2210  
 Csg/Csg Ann ft3: 0.1668  
 Csg/OH cap ft3: 0.1503  
 TOC: Stg 1 (Calc.) 4150'  
 TOC: Stg 2 (TS) 1000'  
 DV Tool at 2391'

Liner

Hole size 6.25"  
 Csg Size: 4.5"  
 Wt: 11.6#  
 Grade: K-55  
 ID: 4.0000  
 Depth 4827-6845'  
 Csg cap ft3: 0.0872  
 Csg/OH cap ft3: 0.1026  
 TOC above 4300' (CBL)

Perfs	5136-5796'
Perfs	6320-6570'
BP set at	6690'
Abandoned Perfs	6706-6776'
PBTD	6843'
TD	6845'



Plug 8: Surface casing shoe to surface: Perf holes at 310'. 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 holes at 700'. Set CR at 650'. Sqz below CR with Class G cement to bring TOC to 600' inside and outside casing.

TOC: 1000' (TS)

Plug 6: Pictured Cliffs, DV tool, Fruitland, Kirtland, Ojo Alamo: Spot balanced plug of Class G cement from 2445-1906'.

Plug 5: Chacra: Perf holes at 2858'. Set CR at 2808'. Sqz below CR with Class G cement to bring TOC to 2758' inside and outside casing.

Plug 4: Mesa Verde: Perf holes at 3918'. Set CR at 3868'. Sqz below CR with Class G cement to bring TOC to 3818' inside and outside casing.

Plug 3: Mancos, 7" casing shoe, liner top: Spot balanced plug of Class G cement from 4951'-4672'.  
 Liner top at 4827'  
 7" Casing shoe at 4901'

TOC Above 4300' (CBL)

Plug 2: Gallup top and perfs: Spot balanced plug of Class G cement from 5846-5086'.

Plug 1: Dakota top and perfs: Spot Class G cement from 6690-6270'.

**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 2650717

Attachment to notice of Intention to Abandon

Well: Martin-Whitaker 54

**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 1/10/2022

**BLM FLUID MINERALS  
P&A Geologic Report**

**Date Completed:** 01/10/2022

Well No. Martin Whittaker #54 (API# 30-043-20735)	Location	870	FNL	&	850	FWL
Lease No. JIC392	Sec. 34	T23N			R04W	
Operator DJR Operating, LLC	County	Sandoval		State	New Mexico	
Total Depth 6845'	PBTD 6690'	Formation Dakota (TD), Greenhorn/Gallup (producing)				
Elevation (GL) 7029'		Elevation (KB) 7042'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	650	Surface/freshwater sands
Nacimiento Fm			650	1956	Possible freshwater sands
Ojo Alamo Ss			1956	2100	Aquifer (possible freshwater)
Kirtland Shale			2100	2240	
Fruitland Fm			2240	2395	Coal/Gas/Possible water
Pictured Cliffs Ss			2395	2500	Gas
Lewis Shale			2500	2808	
Chacra			2808	3868	Gas
Cliff House Ss			3868	3915	Water/Possible gas
Menefee Fm			3915	4510	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4510	4722	Probable water/Possible O&G
Mancos Shale			4722	5341	
Gallup			5341	6521	O&G/Water
Greenhorn			6521	6608	
Graneros Shale			6608	6636	
Dakota Ss			6636	PBTD	O&G/Water

Remarks:

## P &amp; A

- BLM picks for the Dakota formation top varies from Operator pick.
- CBL run planned as part of P&A.
- The plugs proposed in the P&A procedure will adequately protect any freshwater sands in this well bore.
- Gallup and Greenhorn perms 5136' – 5796', 6320' – 6570'.

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 71417

**CONDITIONS**

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 71417
	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