

Well Name: MARTIN-WHITTAKR	Well Location: T23N / R4W / SEC 23 / NWNW /	County or Parish/State: SANDOVAL / NM
Well Number: 62	Type of Well: OIL WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC390	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004320778	Well Status: Oil Well Shut In	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2642282

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 11/01/2021

Time Sundry Submitted: 09:44

Date proposed operation will begin: 11/01/2021

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

Reclamation_Plan_20211101094358.pdf

PxA_Procedure_20211101094358.pdf

BIA_Rationale_Form_20211101094358.pdf

Current_WBD_20211101094358.pdf

Proposed_WBD_20211101094358.pdf

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Well Status: Oil Well Shut In

Operator: DJR OPERATING LLC

Conditions of Approval

Additional Reviews

General_Requirement_PxA_20220208173941.pdf

2642282_NOIA_62_3004320778_KR_02082022_20220208173906.pdf

Martin_Whittaker_62_Geo_Rpt_20220208104137.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: NOV 01, 2021 09:44 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: 02/08/2022

Signature: Kenneth Rennick

Plug and Abandonment Procedure
for
DJR Operating, LLC
Martin Whittaker 62
API # 30-043-20778
NW/NW, Unit D, Sec. 23, 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. TOO H 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. TIH with bit and scraper. Ensure tubing can go past 6800'. Drop standing valve and pressure test tubing to 1000 psi. Recover standing valve.
12. Plug 1: Dakota top and perfs, and Lower Mancos perfs: PU and TIH with 4-1/2" CR. Squeeze below CR with 12 sx of Class G cement. Spot 793' plug on top of CR to bring TOC to 6007' inside. Pull up and pump water to ensure tubing is clear.

13. Plug 2: Gallup top and perfs: Spot balanced plug of Class G cement from 6030-5333'. 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. MIRU logging truck. Roll hole. Run CBL log from TOC to surface. Hold 600 psi on casing if possible. Electronic copy of CBL to be sent to; Brandon Powell, NMOCD brandon.powell@state.nm.us, Monica Kuehling, NMOCD mkuehling@state.nm.us, krenneck@blm.gov, Scott Lindsay, DJR slindsay@djrlc.com, and [Loren Diede, DJR@djrlc.com](mailto:Loren.Diede,DJR@djrlc.com).
16. Plug 3: Mancos: 7" casing shoe, and 4-1/2" liner top: Spot balanced plug of Class G cement from 5047-4606'. Pump water to ensure tubing is clear.
17. Plug 4: Mesa Verde: Spot balanced plug of Class G cement from 4253-4153'. Pump water to ensure tubing is clear. TOOH.
18. RIH with wireline and perforate holes at 3180'. POOH with wireline.
19. Plug 5: Chacra: TIH with 7" CR and set at 3130'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 3080' 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.
20. Plug 6: Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo: Spot balanced plug of Class G cement from 2787-2252'. Pump water to ensure tubing is clear. TOOH.
21. RIH with wireline and perforate holes at 1156'. POOH with wireline.
22. Plug 7. Nacimiento: TIH with 7" CR and set at 1106'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 1056' 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.
23. RIH with wireline and perforate holes at 293'. POOH with wireline.
24. 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.

25. 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.
26. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
27. 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 62

API # 30-043-20778

NWNW, Unit D, Sec 23 T23N, R4W
Sandoval County, NM

GL 7146'
KB 7159'
Spud Date 7/8/1985

SURF CSG

Hole size 12.25"
Csg Size: 9.625"
Wt: 32#
Grade: J-55
ID: 9.001
Depth 243'
Csg cap ft³: 0.4418
TOC: N/A

FORMATION TOPS

San Jose Surface
Nacimiento 1106'
Ojo Alamo 2302'
Kirtland 2433'
Fruitland 2611'
Pictured Cliffs 2737'
Chacra 3130'
Mesa Verde 4203'
Mancos 4997'
Gallup 5801'
Dakota 6881'

PROD CSG

Hole size 8.75"
Csg Size: 7"
Wt: 23#
Grade: J-55
ID: 6.366"
Depth 4982'
Csg cap ft³: 0.2210
Csg/Csq Ann ft³: 0.1668
Csg/OH cap ft³: 0.1503
TOC: Stg 1 (Calc.) 4107'
TOC: Stg 2 (TS) 1910'
DV Tool at 2699'

Liner

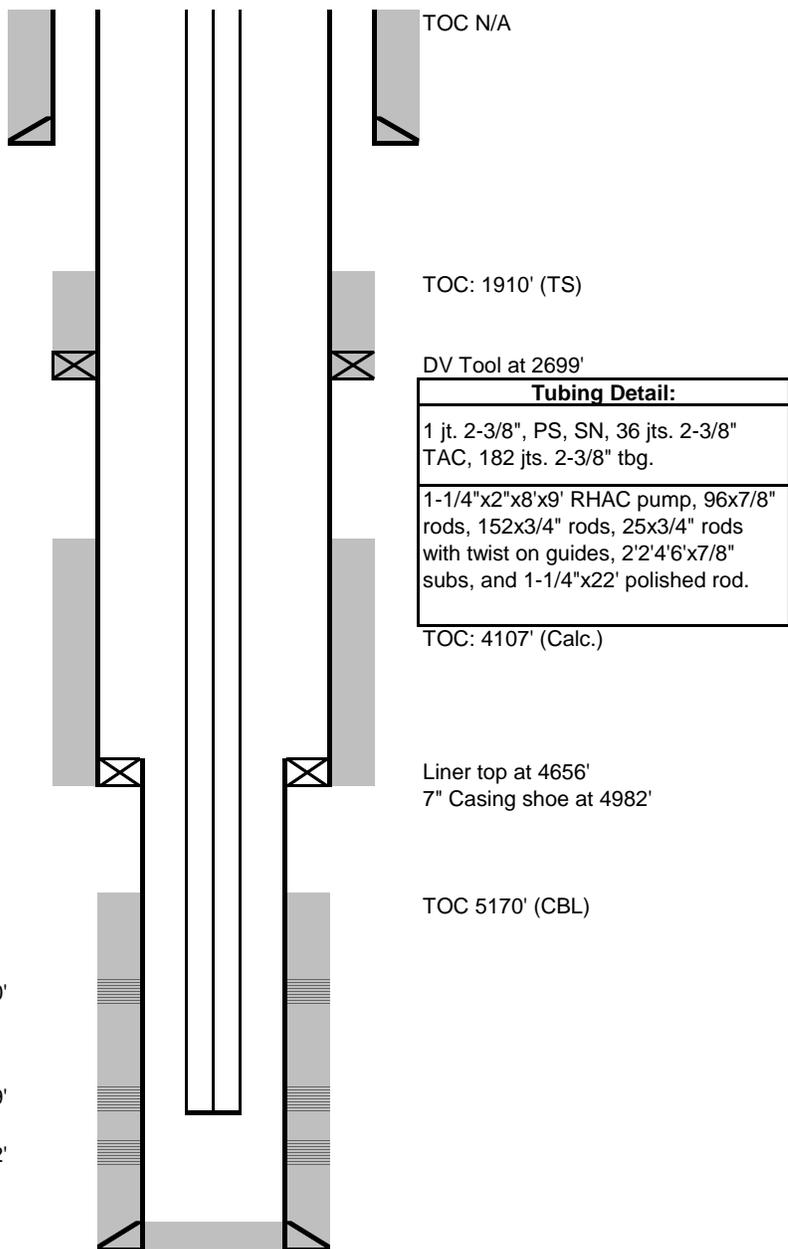
Hole size 6.25"
Csg Size: 4.5"
Wt: 11.6#
Grade: K-55
ID: 4.000
Depth 4656-7000'
Csg cap ft³: 0.0872
Csg/OH cap ft³: 0.1026
TOC 5170' (CBL)

Perfs 5388-5980'

Perfs 6057-6629'

Perfs 6821-6942'

COTD 6959'
PBTB 6999'
TD 7039'



TOC N/A

TOC: 1910' (TS)

DV Tool at 2699'

Tubing Detail:	
1 jt. 2-3/8", PS, SN, 36 jts. 2-3/8"	TAC, 182 jts. 2-3/8" tbg.
1-1/4"x2"x8'x9' RHAC pump, 96x7/8" rods, 152x3/4" rods, 25x3/4" rods with twist on guides, 2'2'4'6"x7/8" subs, and 1-1/4"x22' polished rod.	

TOC: 4107' (Calc.)

Liner top at 4656'
7" Casing shoe at 4982'

TOC 5170' (CBL)

Proposed Wellbore Diagram
DJR Operating, LLC
Martin Whittaker 62
 API # 30-043-20778
 NW/NW, Unit D, Sec 23 T23N, R4W
 Sandoval County, NM

GL 7146'
 KB 7159'
 Spud Date 7/8/1985

SURF CSG

Hole size 12.25"
 Csg Size: 9.625"
 Wt: 32#
 Grade: J-55
 ID: 9.001
 Depth 243'
 Csg cap ft3: 0.4418
 TOC: N/A

FORMATION TOPS

San Jose	Surface
Nacimiento	1106'
Ojo Alamo	2302'
Kirtland	2433'
Fruitland	2611'
Pictured Cliffs	2737'
Chacra	3130'
Mesa Verde	4203'
Mancos	4997'
Gallup	5801'
Dakota	6881'

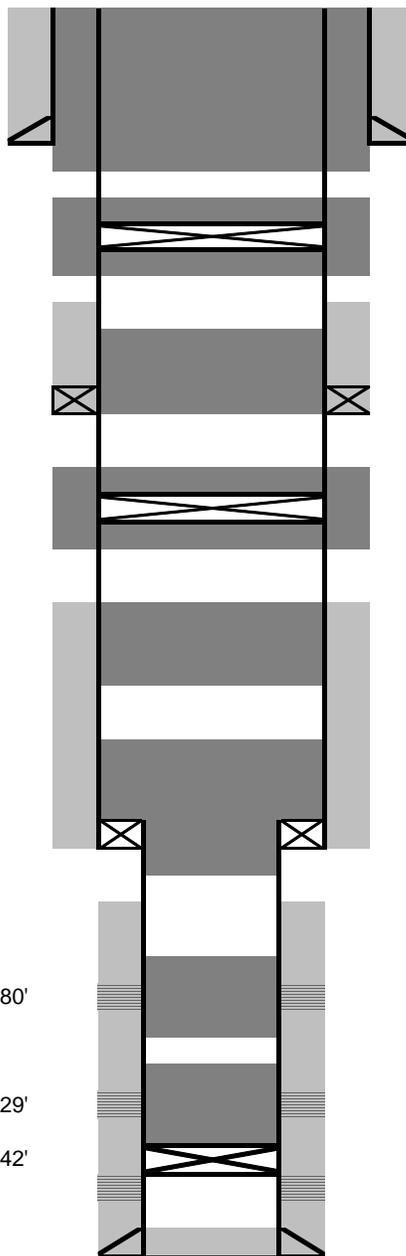
PROD CSG

Hole size 8.75"
 Csg Size: 7"
 Wt: 23#
 Grade: J-55
 ID: 6.366"
 Depth 4982'
 Csg cap ft3: 0.2210
 Csg/Csg Ann ft3: 0.1668
 Csg/OH cap ft3: 0.1503
 TOC: Stg 1 (Calc.) 4107'
 TOC: Stg 2 (TS) 1910'
 DV Tool at 2699'

Liner

Hole size 6.25"
 Csg Size: 4.5"
 Wt: 11.6#
 Grade: K-55
 ID: 4.0000
 Depth 4656-7000'
 Csg cap ft3: 0.0872
 Csg/OH cap ft3: 0.1026
 TOC 5170' (CBL)

Perfs	5388-5980'
Perfs	6057-6629'
Perfs	6821-6942'
COTD	6959'
PBTD	6999'
TD	7039'



Plug 8: Surface casing shoe to surface: Perf holes at 293'. 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 1156'. Set CR at 1106'. Sqz below CR with Class G cement to bring TOC to 1056' inside and outside casing.
 TOC: 1910' (TS)

Plug 6: Pictured Cliffs, Fruitland, Kirtland, Ojo Alamo: Spot balanced plug of Class G cement from 2787-2252'.

Plug 5: Chacra: Perf holes at 3180'. Set CR at 3130'. Sqz below CR with Class G cement to bring TOC to 3080' inside and outside casing.

Plug 4: Mesaverde: Spot balanced plug of Class G cement from 4253'-4153'.

Plug 3: Mancos, 7" casing shoe, liner top: Spot balanced plug of Class G cement from 5047-4606'.

Liner top at 4656'
 7" Casing shoe at 4982'

TOC 5170' (CBL)

Plug 2: Gallup top and perfs: Spot balanced plug of Class G cement from 6030-5333'.

Plug 1: Dakota top and perfs, and lower Mancos perfs: Set CR at 6800'. Sqz below CR with sufficient Class G cement to cover from 6800-6942' (if possible) inside. Spot 793' plug inside to bring TOC to 6007' inside.

**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**

AFMSS 2 Sundry ID 2642282

Attachment to notice of Intention to Abandon

Well: Martin-Whittaker 62

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. Before operations, confirm procedure for Plug 1 and Plug 2. Procedure has that the two plugs overlap each other.
 - b. Plug 3 (Mancos): The base must be lowered to 5100 feet for the BLM formation top pick.
 - c. Plug 4 (Mesaverde): Adjust to cover the interval of 4235 to 4135 feet for the BLM formation top pick.
 - d. Plug 6 (Ojo Alamo): The top must be raised to 2158 feet for the BLM formation top pick.

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 2/8/2022

BLM - FFO - Geologic Report

Date Completed 2/2/2022

Well No. Martin-Whittaker # 62 Surf. Loc. 790 FNL 790 FWL
 Sec. 23 T23N R4W
 Lease No. Jic 390
 Operator DJR Operating LLC County Rio Arriba State New Mexico
 TVD 7039 PBSD 6999 Formation Lindrith Gallup-Dakota
 Elevation GL 7146 Elevation Est. KB 7159

Geologic Formations	Est. tops	Subsea Elev.	Remarks
San Jose Fm.	Surface	7159	
Nacimiento Fm.	1106	6053	Surface /fresh water sands
Ojo Alamo Ss	2208	4951	Fresh water aquifer
Kirtland Fm.	2441	4718	
Fruitland Fm.	2556	4603	Coal/gas/possible water
Pictured Cliffs	2516	4643	Possible gas/water
Lewis Shale (Main)	2736	4423	Source rock
Huerfanito Bentonite	3052	4107	Reference bed
Chacra (upper)	3126	4033	Possible gas/water
Chacra (lower)	3446	3713	Possible gas/water
Lewis Shale Stringer	3746	3413	Source rock
Cliff House Ss	4185	2974	Possible gas/water
Menefee Fm.	4276	2883	Coal/water/possible gas
Point Lookout Fm.	4841	2318	Possible gas/water
Mancos Shale	5050	2109	Source rock
El Vado Ss	5385	1774	Possible gas/water
Tocito Ss Lentils	5730	1429	Possible gas/water
Gallup	5900	1259	Oil & gas
Mancos Stringer	6065	1094	Source rock
Graneros Shale	7012	147	
Dakota Ss	7060	99	Possible gas/water

Remarks:

-Vertical wellbore, all formation depths are TVD from KB.
 -The top of Plug 1 and the base of Plug 2 overlap from 6030' to 6007'.
 -The base of Plug 3 must be lowered to 5100' for the BLM Mancos top.
 -Plug 4 must be adjusted to 4235' - 4135' for the BLM Mesa Verde Top.
 -The top of Plug 6 must be raised to 2158' for the BLM Ojo Alamo top.

Reference Wells:

Formation tops:
 1) Surface - Lewis Shale
 Elm Ridge Exploration Co, LLC
 Bonita Canyon # 1
 Sec 23A, T23N, R4W
 GL= 7245', KB= 7257'
 2) Huerfanito Bentonite - Mesa Verde
 Group
 DJR Operating LLC
 Martin Whittaker # 30,
 Sec 15A, T23N, R4W
 GL= 7242', KB= 7253'
 3) Mancos - Dakota
 Same

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

CONDITIONS
 Action 79946

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 79946
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	2/14/2022
kpickford	Adhere to BLM approved plugs and COAs. See GEO Report	2/14/2022
kpickford	CBL required	2/14/2022