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

Sundry Print Report

01/06/2022

Well Name: MARTIN-WHITTAKER

Well Location: T23N / R4W / SEC 7 / NESE /

County or Parish/State: RIO ARRIBA / NM

Well Number: 21

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: 3003923365

Well Status: Oil Well Shut In

Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2631667

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 08/31/2021

Time Sundry Submitted: 02:50

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_21_Rec_Plan_20210831145032.pdf

Martin_Whittaker_21_PxA_Procedure_20210831145031.pdf

Martin_Whittaker_21_Current_WBD_20210831145031.pdf

Martin_Whittaker_21_Proposed_WBD_20210831145031.pdf

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Operator: DJR OPERATING LLC

Conditions of Approval

Additional Reviews

2631667_NOIA_21_3003923365_KR_01062022_20220106083256.pdf

General_Requirement_PxA_20220106083239.pdf

23N04W07IKg_Martin_Whittaker_21_20220105172020.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: AUG 31, 2021 02:50 PM

Name: DJR OPERATING LLC

Title: Regulatory Specialist

Street Address: 1 Road 3263

City: Aztec **State:** NM

Phone: (505) 632-3476

Email address: sford@djrllc.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: 01/06/2022

Signature: Kenneth Rennick

Plug and Abandonment Procedure

for

DJR Operating, LLC

Martin Whittaker 21

API # 30-039-23365

NE/SE, Unit I, 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 6466'. Drop standing valve and pressure test tubing to 1000 psi. Recover standing valve.
12. Plug 1: Lower Mancos perfs: Spot balanced plug of Class G cement from 6466-5953'. Pull up to 5949'.
13. Plug 2: Upper perfs and Gallup top: Spot balanced plug of Class G cement from 5949-5545'. 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 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, Joe Killins, BLM jkillins@blm.gov, John Hoffman, BLM jhoffman@blm.gov, Loren Diede, DJR, ldiede@djrllc.com, and Scott Lindsay, DJR, slindsay@djrllc.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 balanced plug of Class G cement from 4883-4555'. 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 4025'. TOOH.

18. RIH with wireline and perforate holes at 4025'. POOH with wireline.

19. Plug 4: Mesaverde: TIH with 7" CR and set at 3975'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 3925' 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 2954'. POOH with wireline.

21. Plug 5: Chacra: TIH with 7" CR and set at 2904'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 2854' 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, DV tool, Fruitland, Kirtland and Ojo Alamo: TIH to 2535'. Spot balanced plug of Class G cement from 2535-1950'. Pump water to ensure tubing is clear. TOOH.

23. RIH with wireline and perforate holes at 1060'. POOH with wireline.

24. Plug 7. Nacimiento: TIH with 7" CR and set at 1010'. Establish rate with water. Squeeze below retainer with Class G cement to bring TOC to 960' 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 319'. 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 21

API # 30-039-23365
NE/SE, Unit I, Sec 7, T23N, R4W
Rio Arriba County, NM

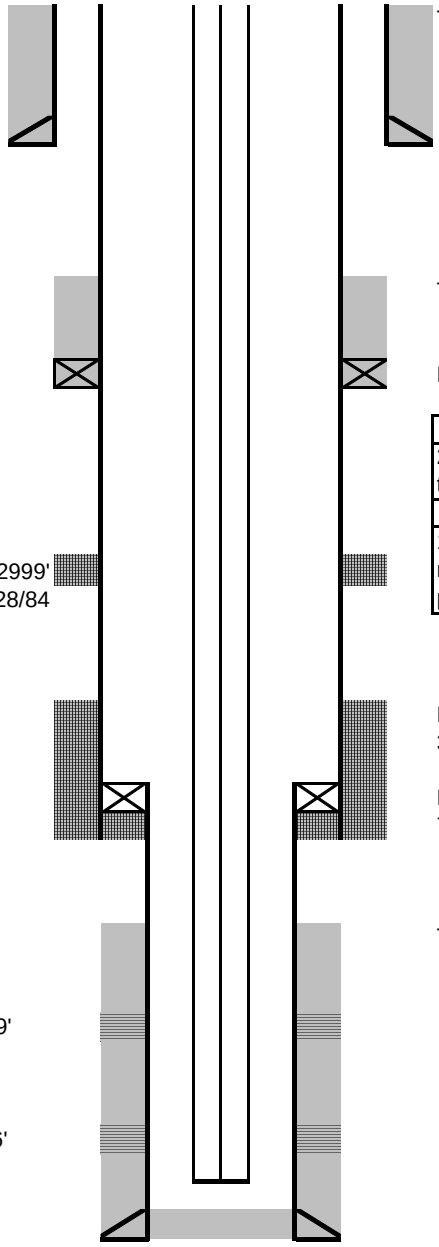
GL	**6890'**
KB	**6902'**
Spud Date	**1/8/1984**

SURF CSG	
Hole size	12.25"
Csg Size:	9.625"
Wt:	36#
Grade:	J-55
ID:	8.921"
Depth	269'
Csg cap ft^3:	0.434
TOC:	Surf

PROD CSG	
Hole size	8.75"
Csg Size:	7"
Wt:	23#
Grade:	J-55
ID:	6.366"
Depth	4780'
Csg cap ft^3:	0.2210
Csg/Csg Ann ft^3:	0.1668
Csg/OH cap ft^3:	0.1503
TOC: Stg 1 (CBL)	5343'
TOC: Stg 2 (TS)	1850'
DV Tool at 2330'	

Liner	
Hole size	6.25"
Csg Size:	4.5"
Wt:	11.6#
Grade:	K-55
ID:	4.000
Depth	4605-6509'
Csg cap ft^3:	0.0872
Csg/OH cap ft^3:	0.1026

FORMATION TOPS	
San Jose	Surface
Nacimiento	1010'
Ojo Alamo	2000'
Kirtland	2098'
Fruitland	2249'
Pictured Cliffs	2485'
Chacra	2904'
Mesa Verde	3975'
Mancos	4833'
Gallup	5595'



TOC Circ to surface

TOC: 1850' (TS)

DV Tool at 2335'

Tubing Detail:
2-3/8": MA, 26 jts. tbg. TAC, 172 jts. tbg.
Rod Detail:
1-1/4"x2"x16' BHD pump, 254x3/4" rods, 2x6' subs, and 1-1/4"x22' polished rod.

Perfs 2942-2999'
Squeezed 8/28/84

Liner sqz'd with 110 sx (total). TOC 3040' (CBL)

Liner top at 4605'
7" Casing shoe at 4780'

TOC 5343' (CBL)

Perfs 5641'-5949'

Perfs 6003-6466'

PBTD 6509'
TD 6510'

Proposed Wellbore Diagram

DJR Operating, LLC

Martin Whittaker 21

API # 30-039-23365
NE/SE, Unit I, Sec 7, T23N, R4W
Rio Arriba County, NM

GL 6890'
KB 6902'
Spud Date 1/8/1984

SURF CSG

Hole size	12.25"
Csg Size:	9.625"
Wt:	36#
Grade:	J-55
ID:	8.921"
Depth	269'
Csg cap ft3:	0.434
TOC:	Surf

PROD CSG

Hole size	8.75"
Csg Size:	7"
Wt:	23#
Grade:	J-55
ID:	6.366"
Depth	4780'
Csg cap ft3:	0.2210
Csg/Csg Ann ft3:	0.1668
Csg/OH cap ft3:	0.1503
TOC: Stg 1 (CBL)	5343'
TOC: Stg 2 (TS)	1850'
DV Tool at 2330'	

Liner

Hole size	6.25"
Csg Size:	4.5"
Wt:	11.6#
Grade:	K-55
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FORMATION TOPS

San Jose	Surface
Nacimiento	1010'
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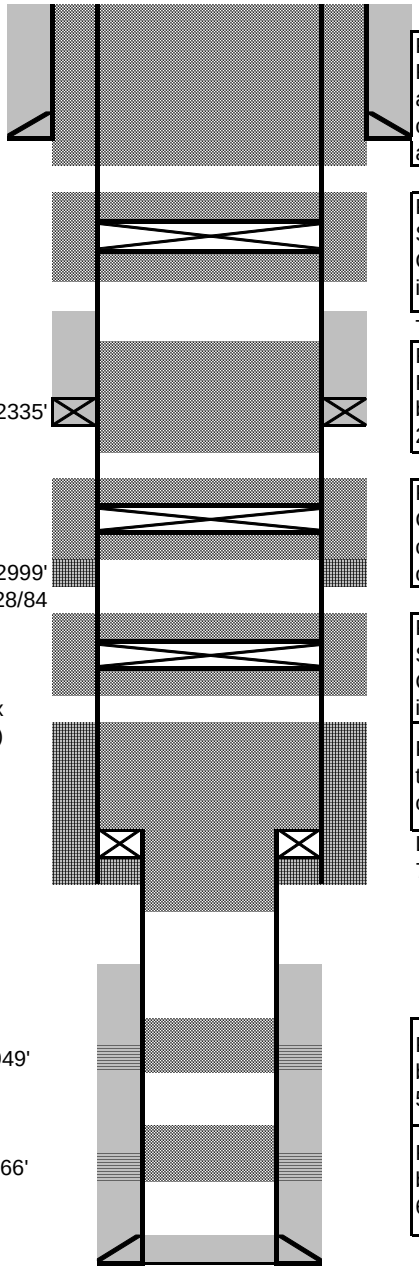

Plug 8: Surface casing shoe to surface: Perf holes at 319'. Tie onto 7" casing and mix and pump siufficient Class G cement to bring cement to surface, insdie and outside 7" casing.

Plug 7: Nacimiento: Perf holes at 1060'. Set CR at 1010'. Sqz below CR with Class G cement to bring TOC to 960' inside and outside casing.

TOC: 1675' (TS)

Plug 6: Pictured Cliffs, DV tool, Fruitland,Kirtland, Ojo Alamo: Spot balanced plug of Class G cement from 2535-1950'.

Plug 5: Chacra: Perf holes at 2954' Set CR at 2904'. Sqz below CR with Class G cement to bring TOC to 2854' inside and outside casing.

Plug 4: Mesaverde: Perf holes at 4025'. Set CR at 3975'. Sqz below CR with Class G cement to bring TOC to 3925' inside and outside casing.

Plug 3: Mancos, 7" casing shoe, liner top: Spot balanced plug of Class G cement from 4883'-4555'.

Liner top at 4605'
7" Casing shoe at 4780'

Plug 2: Upper perfs and Gallup top: Spot balanced plug of Class G cement from 5949-5545'.

Plug 1: Lower Mancos perfs: Spot balanced plug of Class G cement from 6466-5953'

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_2S.

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.

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

AFMSS 2 Sundry ID 2631667

Attachment to notice of Intention to Abandon

Well: Martin-Whittaker 21

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 7 (Nacimiento) – Adjust or add a plug to cover BLM formation top pick at 740 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 1/6/2022

BLM FLUID MINERALS
P&A Geologic Report

Date Completed: 01/05/2022

Well No. Martin Whittaker #21 (API# 30-039-23365)		Location	1650 FSL	&	990 FEL	
Lease No. JIC362		Sec. 07	T23N		R04W	
Operator DJR Operating, LLC		County	Rio Arriba	State	New Mexico	
Total Depth 6510’	PBTD 6509’	Formation	Gallup			
Elevation (GL) 6890’		Elevation (KB)	6902’			

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	740	Surface/freshwater sands
Nacimiento Fm			740	1998	Possible freshwater sands
Ojo Alamo Ss			1998	2098	Aquifer (possible freshwater)
Kirtland Shale			2098	2338	
Fruitland Fm			2338	2485	Coal/Gas/Possible water
Pictured Cliffs Ss			2485	2552	Gas
Lewis Shale			2552	2904	
Chacra			2904	3975	Gas
Cliff House Ss			3975	4008	Water/Possible gas
Menefee Fm			4008	4620	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4620	4833	Probable water/Possible O&G
Mancos Shale			4833	5595	
Gallup			5595	PBTD	O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:
P & A

- BLM picks for the Fruitland and Nacimiento formation tops vary from Operator picks.
- No CBL on file. CBL run planned as part of P&A.
- Adjust Plug #7 (Nacimiento), or add a plug, to cover BLM formation top pick at 740’.
- The plugs proposed in the P&A procedure, with changes recommended above, will adequately protect any freshwater sands in this well bore.
- Gallup perfs 5641’ – 5949’ and 6003’ – 6466’. Chacra perfs 2942’ – 2999’.

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 70860

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 70860
	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	Adhere to BLM approved COAs and plugs. See Geo Report.	1/21/2022