

Well Name: MARTIN-WHITTAKER	Well Location: T23N / R4W / SEC 6 / NENE /	County or Parish/State: RIO ARRIBA / NM
Well Number: 27	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: 3003923431	Well Status: Oil Well Shut In	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2652197

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 01/12/2022	Time Sundry Submitted: 08:48
Date proposed operation will begin: 01/12/2022	

Procedure Description: The subject well has a casing failure & is being submitted for engineering & geological review per Dave M. of the BLM prior to the onsite inspection. A Reclamation Plan will be submitted on a subsequent sundry at a later date. DJR Operating, LLC requests permission to Plug & Abandon the subject well according to the attached Procedure, Current & Proposed Wellbore Diagram.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- Martin_Whittaker_27_BIA_Rationale_Form_20220112084742.pdf
 - Martin_Whittaker_27_Current_WBD_20220112084742.pdf
 - Martin_Whittaker_27_PA_Procedure_20220112084742.pdf
 - Martin_Whittaker_27_Proposed_WBD_20220112084742.pdf

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Conditions of Approval

Additional Reviews

General_Requirement_PxA_20220127163629.pdf
2652197_NOIA_27_3003923431_KR_01272022_20220127163617.pdf
23N04W06AKg_Martin_Whittaker_27_20220127140125.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 12, 2022 08:47 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: 01/27/2022
Signature: Kenneth Rennick	

**Plug and Abandonment Procedure
for
DJR Operating, LLC
Martin Whittaker 27
API # 30-039-23431
NE/NE, Unit A, Sec. 6, 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 bit and scraper on workstring. Ensure tubing can go past 6350'. TOOH.
12. Plug 1: Tocito-Semilla perfs: TIH with 4-1/2" CR and set at 6350'. Pressure test tubing to 1000 psi. Establish rate with water. Squeeze below CR with 10 sx. Sting out of retainer and spot 50' of cement on top of CR. Pull up and pump water to ensure tubing is clear. TOOH.
13. Plug 2: Lower Gallup perfs and Gallup top: TIH with 4-1/2" CR and set at 5700'. Squeeze below CR with 10 sx. Sting out of CR and spot 50' of cement on top of CR. Pump water to ensure tubing is clear. TOOH.

14. Plug 3: Upper Gallup perms: TIH with 4-1/2" CR and set at 5450'. Squeeze below CR with 10 sx. Sting out of CR and spot 50' of cement on top of CR. Pump water to ensure tubing is clear. TOOH.
15. TIH with tagging sub and tag TOC. Roll hole. Pressure test casing to 600 psi. If casing does not test, contact engineering. TOOH.
16. 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 Ken Rennick krennick@blm.gov, Monica Kueling monica.kueling@state.nm.us, Loren Diede ldiede@djrlc.com, and slindsay@djrlc.com. Plugs may be adjusted per log run.
17. Plug 4: Mancos: 7" casing shoe, and 4-1/2" liner top: TIH and spot balanced plug from 5010-4790'. Pump water to ensure tubing is clear.
18. Plug 5: Mesaverde: Spot balanced plug from 4120-4020'. Pump water to ensure tubing is clear.
19. Plug 6: Chacra: Spot balanced plug from 3443-3343'. Pump water to ensure tubing is clear.
20. Plug 7: Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo: Spot balanced plug from 2609--2010'. Pump water to ensure tubing is clear.
21. Plug 8: Nacimiento: Spot balanced plug from 1865-1765'. Pump water to ensure tubing is clear. TOOH. NOTE: Depending on CBL results, an inside-outside plug may be required.
22. RIH with wireline and perforate holes at 305'. POOH with wireline.
23. Plug 9: Surface casing shoe to surface: Tie onto 7" casing. Establish rate with water. Mix and pump sufficient cement to bring cement to surface inside and outside 7" casing.
24. 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.
25. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.

26. 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 27

API # 30-039-23431
 NE/NE, Unit A, Sec 6 T23N, R4W
 Rio Arriba, NM

GL 6891'
 KB 6904'
 Spud Date 4/24/1984

SURF CSG

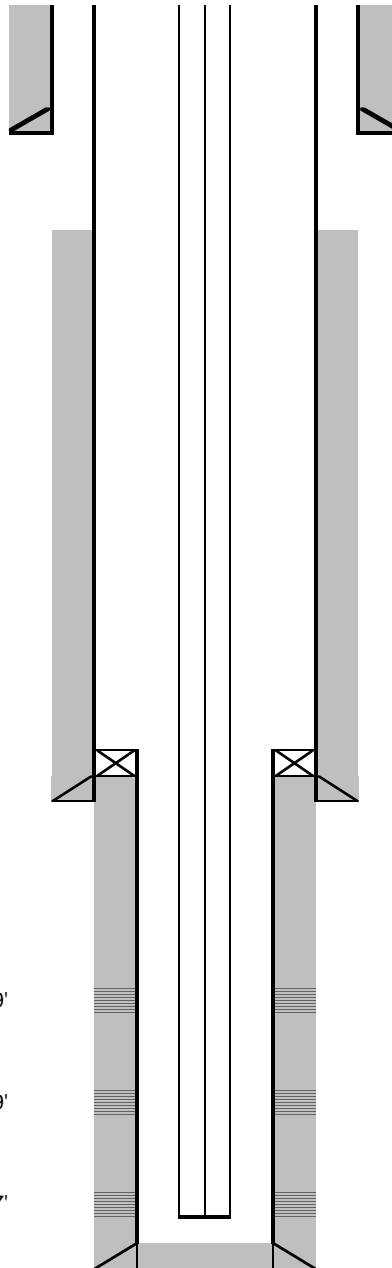
Hole size	12.25"		
Csg Size:	9.625"	San Jose	Surface
Wt:	32#	Nacimiento	1815'
Grade:	J-55	Ojo Alamo	2060'
ID:	9.001	Kirtland	2288'
Depth	255'	Fruitland	2450'
Csg cap ft ³ :	0.4418	Pictured Cliffs	2559'
TOC:	Circ cmt to surface	Chacra	3393'
		Mesa Verde	4070'
		Mancos	4952'
		Gallup	5731'

PROD CSG

Hole size	8.75"
Csg Size:	7"
Wt:	23#
Grade:	J-55
ID:	6.366"
Depth	4956'
Csg cap ft ³ :	0.2210
Csg/Csg Ann ft ³ :	0.1668
Csg/OH cap ft ³ :	0.1503
TOC: 1800' (TS)	

Liner

Hole size	6.125"	
Csg Size:	4.5"	
Wt:	11.6#	
Grade:	K-55	
ID:	4.000	
Depth	4842-6682'	
Csg cap ft ³ :	0.0872	
Csg/OH cap ft ³ :	0.1026	
TOC: 4920' (CBL)		Upper Gallup Perfs 5492-5529'
		Lower Gallup Perfs 5755-5969'
		Tocito-Semilla Perfs 6393-6537'
		PBSD 6682'
		TD 6685'

**Tubing Detail:**

2-3/8": MA, PS, SN (6209'), 9 jts.,
 TAC (5917'), 184 jts. EOT 6245'.

Rod Detail:

2"x1-1/2"x16' HWAC pump, 246x3/4"
 rods, 22'x1-1/4" polished rod with 10'
 liner.

Liner top at 4842'

7" Casing shoe at 4956'

Proposed Wellbore Diagram

DJR Operating, LLC

Martin Whittaker 27

API # 30-039-23431

NE/NE, Unit A, Sec 6 T23N, R4W

Rio Arriba, NM

GL 6891'

KB 6904'

Spud Date 4/24/1984

SURF CSG

Hole size	12.25"	<u>FORMATION TOPS</u>	
Csg Size:	9.625"	San Jose	Surface
Wt:	32#	Nacimiento	1815'
Grade:	J-55	Ojo Alamo	2060'
ID:	9.001	Kirtland	2288'
Depth	255'	Fruitland	2450'
Csg cap ft3:	0.4418	Pictured Cliffs	2559'
TOC:	Circ cmt to surface	Chacra	3393'
		Mesa Verde	4070'
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Hole size	6.125"
Csg Size:	4.5"
Wt:	11.6#
Grade:	K-55
ID:	4.0000
Depth	4842-6682'
Csg cap ft3:	0.0872
Csg/OH cap ft3:	0.1026
TOC:	4920' (CBL)

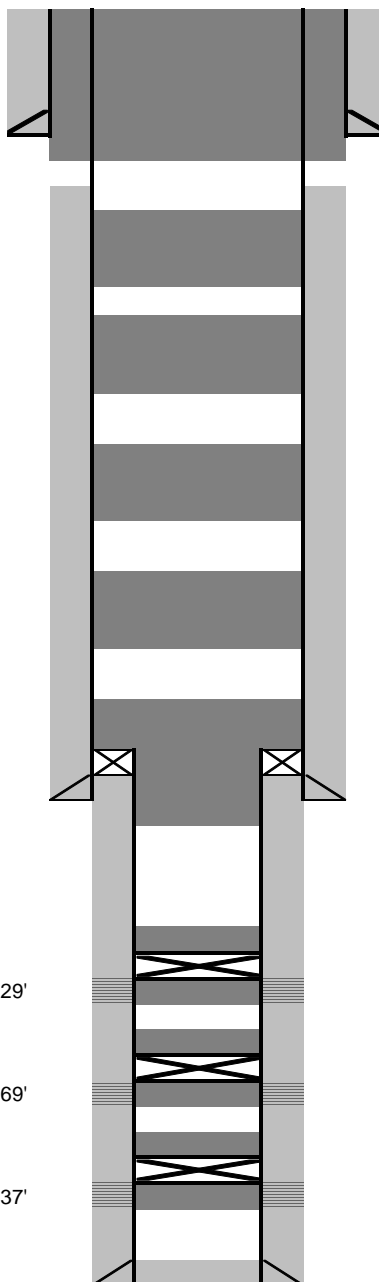
Upper Gallup Perfs 5492-5529'

Lower Gallup Perfs 5755-5969'

Tocito-Semilla Perfs 6393-6537'

PBSD 6682'

TD 6685'



Plug 9: Surface casing shoe to surface: Perf holes at 305'. Tie onto 7" casing and mix and pump sufficient cement to bring cement to surface, inside and outside 7" casing.

Plug 8: Nacimiento: Spot balanced plug from 1865-1765'. Outside plug may be required depending on CBL.

Plug 7: Pictured Cliffs, Fruitland, Kirtland, Ojo Alamo: Spot balanced plug from 2609-2010'.

Plug 6: Chacra: Spot balanced plug from 3443-3343'.

Plug 5: Mesaverde: Spot balanced plug from 4120-4020'

Plug 4: Mancos, 7" casing shoe, liner top: Spot balanced plug from 5010'-4790'.
Liner top at 4842'

7" Casing shoe at 4956'

Plug 3: Upper Gallup perfs: Set CR at 5450'. Squeeze 10 sx below CR. Spot 50' plug on top of CR.

Plug 2: Lower Gallup perfs and Gallup top: Set CR at 5700'. Squeeze 10 sx below CR. Spot 50' plug on top of CR.

Plug 1: Tocito-Semilla perfs. Set CR at 6350'. Squeeze 10 sx below CR. Spot 50' plug on top of CR.

**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 2652197

Attachment to notice of Intention to Abandon

Well: Martin-Whittaker 27

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 6 (Chacra): Adjust, or add a plug, to cover the BLM formation top pick at 3000 feet.
 - b. Plug 8 (Nacimiento): Adjust, or add a plug, to cover the BLM formation top pick at 689 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 1/27/2022

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 01/27/2022

Well No. Martin Whittaker #27 (API# 30-039-23431)		Location	800	FNL	&	800	FEL
Lease No. JIC362		Sec. 06	T23N			R04W	
Operator DJR Operating, LLC		County	Rio Arriba		State	New Mexico	
Total Depth 6685'	PBTD 6682'	Formation Gallup					
Elevation (GL) 6891'		Elevation (KB) 6904'					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm			Surface	689	Surface/freshwater sands
Nacimiento Fm			689	2060	Possible freshwater sands
Ojo Alamo Ss			2060	2205	Aquifer (possible freshwater)
Kirtland Shale			2205	2450	
Fruitland Fm			2450	2559	Coal/Gas/Possible water
Pictured Cliffs Ss			2559	2610	Gas
Lewis Shale			2610	3000	
Chacra			3000	4070	Gas
Cliff House Ss			4070	4160	Water/Possible gas
Menefee Fm			4160	4695	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4695	4952	Probable water/Possible O&G
Mancos Shale			4952	5731	
Gallup			5731	PBTD	O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:

P & A

- BLM picks for the Chacra, Kirtland, and Nacimiento formation tops vary from Operator picks.

- Adjust Plug #6 (Chacra), or add a plug, to cover BLM formation top pick at 3000'.

- Adjust Plug #8 (Nacimiento), or add a plug, to cover BLM formation top pick at 689'.

- The plugs proposed in the P&A procedure, with recommended changes, will adequately protect any freshwater sands in this well bore.

- Tocito-Semilla perms 6393' – 6537'. Lower Gallup perms 5755' – 5969'. Gallup/Mancos perms 5492' – 5529'.

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 76264

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 76264
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

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