

Well Name: SOUTH BISTI 31H	Well Location: T26N / R13W / SEC 31 / SENE / 36.447372 / -108.251785	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM80507	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004527918	Well Status: Oil Well Shut In	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2744168

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 08/02/2023	Time Sundry Submitted: 12:16
Date proposed operation will begin: 08/02/2023	

**Procedure Description:** This NOI to P&A is being submitted for engineering & geological review prior to onsite inspection as approved by Dave M. of the BLM. 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

NOI\_PA\_BLM\_20230802121618.pdf

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Conditions of Approval

Additional

26N13W31\_South\_Bisti\_31\_H\_1\_Geo\_KGR\_20230803152201.pdf  
2744168\_NOIA\_1\_3004527918\_KR\_08032023\_20230803152201.pdf  
General\_Requirement\_PxA\_20230803152136.pdf

Operator

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

Operator Electronic Signature: SHAW-MARIE FORD	Signed on: AUG 02, 2023 12:16 PM
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 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: 08/03/2023
Signature: Kenneth Rennick	

**Plug and Abandonment Procedure  
DJR Operating, LLC  
South Bisti 31 H 1  
API # 30-045-27918  
SE/NE, Unit H, Sec. 31, T26N, R13W  
San Juan County, NM**

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 rods and tubing of paraffin.
6. Trip out of hole with rods and pump. Lay down to be sent in for storage/salvage.
7. ND WH, unset TAC, 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. PU 2-3/8" workstring, TIH with bit and scraper, make sure that the bit and scraper will go to 5202'. Drop standing valve. Pressure test tubing to 1000 psi. Recover standing valve. TOOH.
10. Plug 1. Gallup perforations and formation top: Mix and pump a blind plug of 159' from 5202'.
11. Pull up hole, WOC. TIH, tag plug 1, if TOC is at 5043' or above, go to step 12.
12. TIH to 5202'. Load and roll hole. PT casing. If casing does not test, contact engineering.
13. Pull up to 4199'.
14. Plug 2. Mancos formation top: Spot a balanced plug of 150' from 4199'.
15. Pull up to 2373'.
16. Plug 3. Mesa Verde formation top: Spot a balanced plug of 150' from 2373'.
17. Pull up to 1908'.
18. Plug 4: Chacra formation top: Spot a balanced plug of 150' from 1908'.
19. Pull up to 1638'.

20. Plug 5: Pictured Cliffs and Fruitland formation tops: Spot a balanced plug of 244' from 1638'.
21. Pull up to 935'.
22. Plug 6: Kirtland and Ojo Alamo formation tops: Spot a balanced plug of 409' from 935'.
23. Pull up to 399'.
24. Plug 7: Surface casing shoe: Spot a balanced plug of 399' from 399'.
25. Cut off wellhead, check TOC. Install P&A marker, top off casings and cellar with cement as needed.
26. Record GPS coordinates for P&A marker and the Final P&A Report. Photograph the P&A marker and attach to the report.
27. RD and MO all rig and cement equipment. Assure that location is free of trash before moving off.
28. 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.**

## Current Wellbore Diagram

DJR Operating, LLC

South Bisti 31 H 1

API # 30-045-27918

SE/NE, Unit H, Sec 31, T26N, R13W

San Juan County, NM

GL 6507'  
 KB 6520'  
 Spud Date 9/14/1990

SURF CSG

Hole size 12.25"  
 Csg Size: 8.625"  
 Wt: 24#  
 Grade: J-55  
 ID: 8.097"  
 Depth 349'  
 Csg cap ft<sup>3</sup>: 0.3576  
 TOC: Surface  
 Circulated cement  
 to surface.

FORMATION TOPS\*

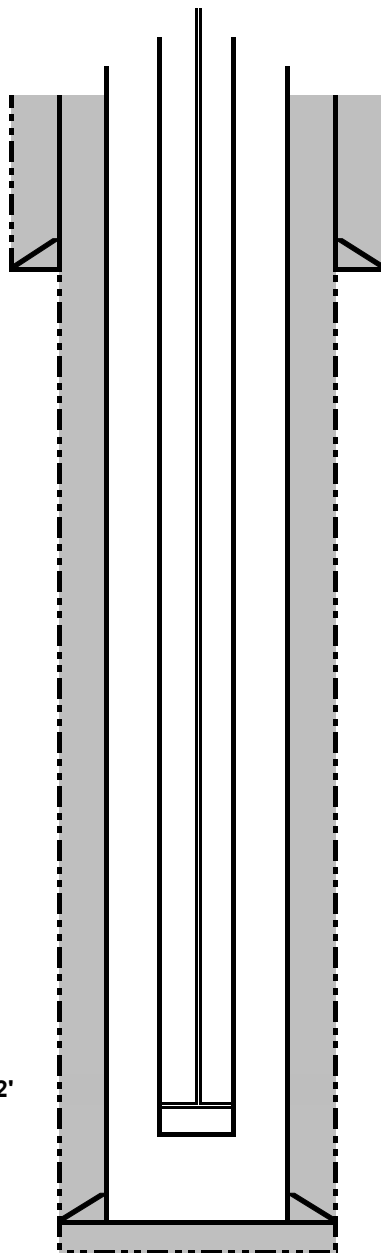
Nacimiento	Surface
Ojo Alamo	626'
Kirtland	885'
Fruitland	1494'
Pictured Cliffs	1588'
Chacra	1858'
Cliff House	2323'
Mancos	4149'
Gallup	5093'

PROD CSG

Hole size 7.875"  
 Csg Size: 5.5"  
 Wt: 15.5#  
 Grade: K-55  
 ID: 4.95"  
 Depth 5394'  
 Csg cap ft<sup>3</sup>: 0.1336  
 Csg/Csg Ann ft<sup>3</sup>: 0.1926  
 Csg/OH cap ft<sup>3</sup>: 0.1732  
 TOC: Surface  
 Circulated cement  
 to surface.

Perfs 5191-5202'

PBTD 5349'  
 TD 5400'

**Prod Tubing Detail: 6-6-2018**

2-3/8" tbg. string: MA, 4' PS, SN (5232), 7 jts.,  
 TAC (5010'), 159 jts. tbg. EOT @ 5266'

**Rod Detail**

2"x1-1/2"x16' RWAC pump, 4x3/4" stabilizer  
 sub, 4x1-1/4" sinker bars, 47x3/4" guided rods,  
 40 rods with snap on guides, 116 3/4" rods, 4',  
 2' ponies, 1-1/4"x22' polished rod with 1-  
 1/2"x10' liner.

## Proposed Wellbore Diagram

DJR Operating, LLC

South Bisti 31 H 1

API # 30-045-27918

SE/NE, Unit H, Sec 31, T26N, R13W

San Juan County, NM

GL 6507'  
 KB 6520'  
 Spud Date 9/14/1990

SURF CSG

Hole size 12.25"  
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FORMATION TOPS\*

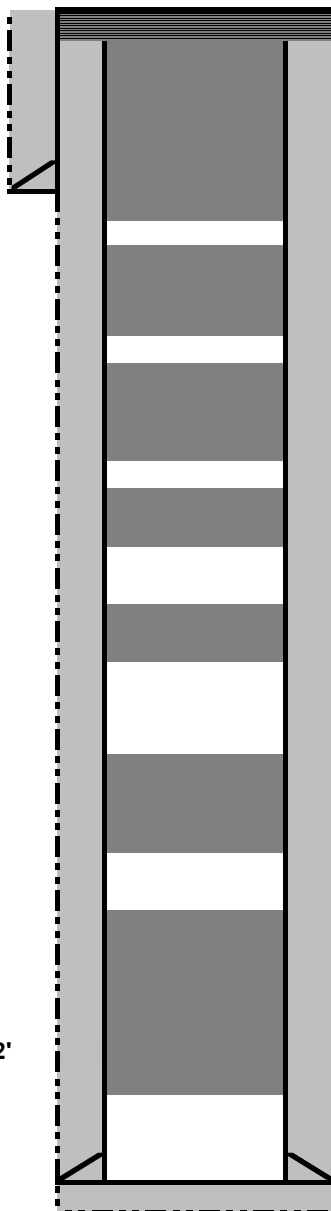
Formation	Depth
Nacimiento	Surface
Ojo Alamo	626'
Kirtland	885'
Fruitland	1494'
Pictured Cliffs	1588'
Chacra	1858'
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 TOC: Surface  
 Circulated cement  
 to surface.

Perfs 5191-5202'

PBTD 5349'  
 TD 5400'



Top off: Cut off WH, check TOC.  
 Install P&A marker, top off casings  
 and cellar with cement as needed.

Plug 7: Surface casing shoe: Spot a  
 balanced plug of 399' from 399'.

Plug 6: Kirtland and Ojo Alamo  
 formation tops: Spot a balanced plug  
 of 409' from 935'.

Plug 5: Pictured Cliffs and Fruitland  
 formation tops: Spot a balanced plug  
 of 244' from 1638'.

Plug 4: Chacra formation top: Spot a  
 balanced plug of 150' from 1908'.

Plug 3: Mesa Verde formation top:  
 Spot a balanced plug of 150' from  
 2373'.

Plug 2: Mancos formation top: Mix  
 and spot a balanced plug of 150' from  
 4199'.

Load and roll hole, PT casing

Plug 1: Gallup perfs and formation  
 top: Mix and pump a blind plug of 159'  
 from 5202'.

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

AFMSS 2 Sundry ID 2744168

Attachment to notice of Intention to Abandon

Well: South Bisti 31H 1

**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 08/03/2022

# BLM FLUID MINERALS P&A Geologic Report

**Date Completed:** 8/3/2023

Well No. South Bisti 31H 1 (API 30-045-27918)	Location	SENE			
Lease No. NMNM80507	Sec. 31	T26N			R13W
Operator DJR Operating, LLC	County	San Juan	State		New Mexico
Total Depth 5400'	PBTD 5349'	Formation	Gallup		
Elevation (GL) 6507'		Elevation (KB)	6520'		

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					Surface/freshwater sands
Nacimiento Fm					Possible freshwater sands
Ojo Alamo Ss			626		Aquifer (possible freshwater)
Kirtland Shale			885		
Fruitland Fm			1494		Coal/Gas/Possible water
Pictured Cliffs Ss			1588		Gas
Lewis Shale					
Chacra			1858		Gas
Cliff House Ss			2323		Water/Possible gas
Menefee Fm					Coal/Ss/Water/Possible O&G
Point Lookout Ss					Probable water/Possible O&G
Mancos Shale			4149		
Gallup			5093		O&G/Water
Greenhorn					
Graneros Shale					
Dakota Ss					O&G/Water

Remarks:

P & A

Reference Well:

- Gallup perforations 5191- 5202'.

**Prepared by: Kenneth Rennick**



**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), through the Automated Fluid Minerals Support System (AFMSS) 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.

**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 248173

CONDITIONS

Operator:  DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID:  371838
	Action Number:  248173
	Action Type:  [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD 8/4/23 BLM approved P&A 8/3/23	8/4/2023