

Well Name: SOUTH BISTI F	Well Location: T26N / R13W / SEC 32 / SENW / 36.445941 / -108.244147	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMNM76867	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004531042	Well Status: Temporarily Abandoned	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2674876

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 06/03/2022	Time Sundry Submitted: 10:10
Date proposed operation will begin: 06/03/2022	

**Procedure Description:** This request is being submitted for engineering & geological review prior to onsite inspection as approved by Dave M. of the BLM. 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\_Submittal\_20220603101004.pdf

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Conditions of Approval

Additional

General\_Requirement\_PxA\_20220624142353.pdf  
2674876\_NOIA\_F\_1\_3004531042\_KR\_06242022\_20220624142256.pdf  
26N13W32FKg\_South\_Bisti\_F\_1\_20220624124028.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: JUN 03, 2022 10:10 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 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: 06/24/2022
Signature: Kenneth Rennick	

**Plug and Abandonment Procedure**  
**for**  
**DJR Operating, LLC**  
**South Bisti F 1**  
**API # 30-045-31042**  
**SE/NW, Unit F, Sec. 32, T26N, R13W**  
**San Juan County, NM**

**I.**

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.
2. MIRU prep rig.
3. Check and record 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. ND WH, NU BOP, function test BOP.

**II.**

6. MIRU P&A rig and equipment.
7. Plug 1. Gallup perfs: PU workstring. TIH and roll hole with water. Sting into existing CR at 5052'. Pressure test tubing to 1000 psi. Sting out and pressure test casing to 600 psi. Sting back into CR and attempt to mix and pump 10 sx cement through the CR into the Gallup perforations. If zone pressures up, sting out of CR and continue with Plug 2.
8. Plug 2. Gallup top: Spot blind plug from top of existing CR at 5052' to 5024'. Pump water to ensure that tubing is clear.
9. Plug 3. Mancos: Spot balanced plug from 4186-4086'. Pump water to ensure that tubing is clear.
10. Plug 4. Mesaverde: Spot balanced plug from 2330-2230'. Pump water to ensure that tubing is clear.

11. Plug 5. Chacra and Pictured Cliffs: Spot balanced plug from 1884-1483'. Pump water to ensure that tubing is clear.
12. Plug 6. Fruitland: Spot balanced plug from 948-848'. Pump water to ensure that tubing is clear.
13. Plug 7. Kirtland, surface casing shoe, and surface plug: Spot balanced plug from 401' to surface.
14. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement as necessary. Install P&A marker as per regulatory requirements. Record GPS coordinates for P&A marker and the Final P&A Report. Photograph the P&A marker and attach to the report.
15. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
16. 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 F 1**  
**API # 30-045-31042**  
**SE/NW, Unit F, Sec 32, T26N, R13W**  
**San Juan County, NM**

GL 6476'  
 KB 6488'  
 Spud Date 3/25/2005

SURF CSG

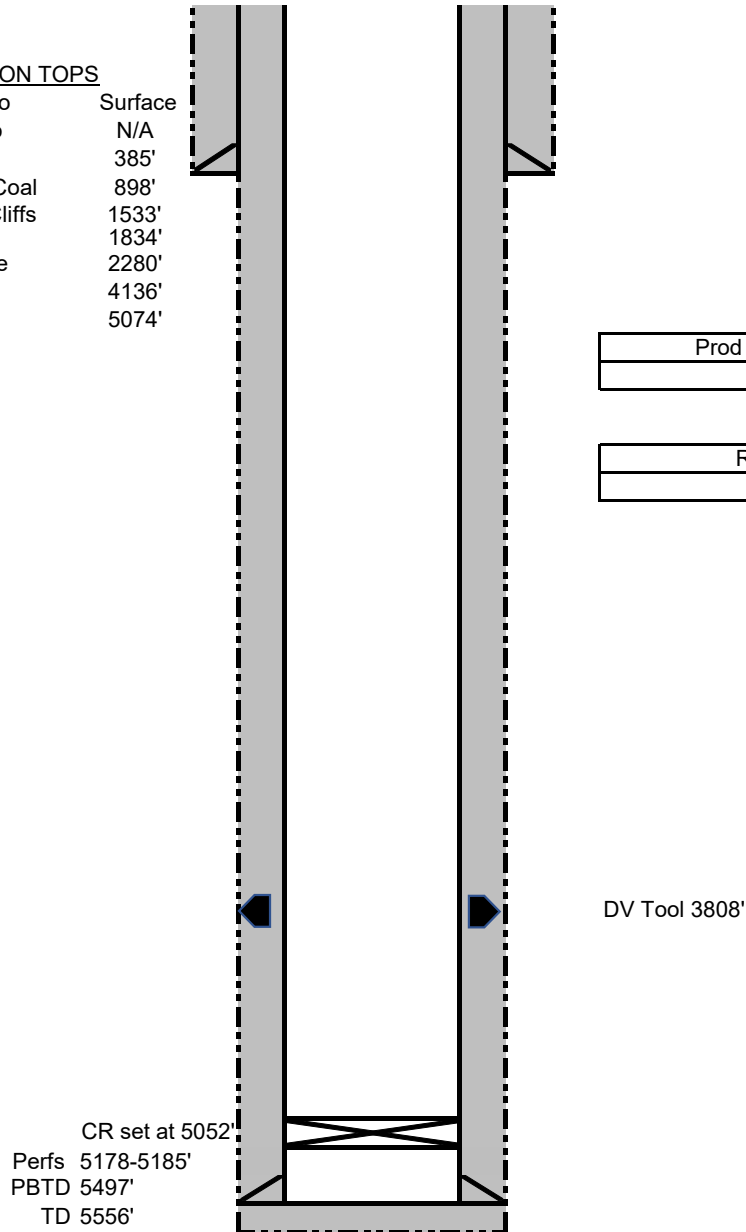
Hole size 12.25"  
 Csg Size: 8.625"  
 Wt: 24#  
 Grade: J-55  
 ID: 8.097"  
 Depth 351'  
 Csg cap ft<sup>3</sup>: 0.3576  
 TOC: Circ  
 cmt to surf

FORMATION TOPS

Nacimiento	Surface
Ojo Alamo	N/A
Kirtland	385'
Fruitland Coal	898'
Pictured Cliffs	1533'
Chacra	1834'
Mesaverde	2280'
Mancos	4136'
Gallup	5074'

PROD CSG

Hole size 7.875"  
 Csg Size: 4.5"  
 Wt: 10.5#  
 Grade: J-55  
 ID: 4.052"  
 Depth 5545'  
 Csg cap ft<sup>3</sup>: 0.0895  
 Csg/Csg Ann  
 ft<sup>3</sup>: 0.1926  
 Csg/OH cap  
 ft<sup>3</sup>: 0.1732  
 TOC: Circ cmt to  
 surf on both  
 stages



Prod Tubing Detail:

None

Rod Detail:

None

DV Tool 3808'

## Proposed Wellbore P&amp;A Diagram

## DJR Operating, LLC

South Bisti F 1

API # 30-045-31042

SE/NW, Unit F, Sec 32, T26N, R13W

San Juan County, NM

GL 6476'

KB 6488'

Spud Date 3/25/2005

SURF CSG

Hole size 12.25"  
 Csg Size: 8.625"  
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Plug 7: Surface casing shoe and surface plug:  
 Spot plug from 401' to surface.

Plug 6: Fruitland: Spot balanced plug from 948-848'.

Plug 5: Chacra and Pictured Cliffs: Spot balanced plug from 1884-1483'.

Plug 4: Mesaverde: Spot balanced plug from 2330-2230'.

DV Tool 3808'

Plug 3: Mancos: Spot balanced plug from 4186-4086'.

Plug 2: Gallup: Spot sufficient volume to bring TOC to 5024' on top of CR.

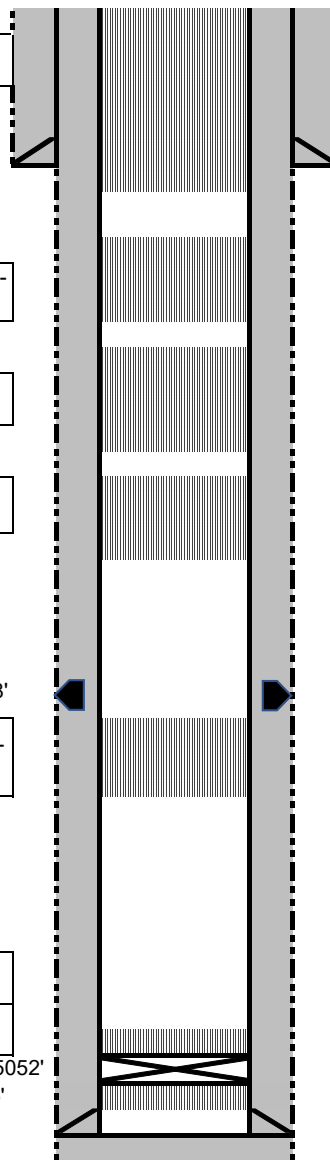
Plug 1: Attempt to pump 10 sx cement through CR and into perms.

CR set at 5052'

Perfs 5178-5185'

PBDT 5508'

TD 5556'

PROD CSG

Hole size 7.875"  
 Csg Size: 4.5"  
 Wt: 10.5#  
 Grade: J-55  
 ID: 4.052"  
 Depth 5545'  
 Csg cap ft3: 0.0895  
 Csg/Csg Ann ft3: 0.1926  
 Csg/OH cap ft3: 0.1732  
 TOC: Circ cmt to  
 surf on  
 both stages

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

AFMSS 2 Sundry ID 2674876

Attachment to notice of Intention to Abandon

Well: South Bisti F 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 6/24/2022

**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)

# BLM FLUID MINERALS P&A Geologic Report

**Date Completed:** 06/24/2022

Well No. South Bisti F #1 (API# 30-045-31042)		Location	2195	FNL	&	2107	FWL
Lease No. NMNM76867		Sec. 32	T26N			R13W	
Operator DJR Operating, LLC		County	San Juan		State	New Mexico	
Total Depth 5556'	PBTD 5508'	Formation Gallup					
Elevation (GL)		Elevation (KB) 6488'					

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					Surface/possible freshwater sands
Nacimiento			Surface	behind casing	Possible freshwater sands
Ojo Alamo Ss			behind casing	385	Aquifer (possible freshwater)
Kirtland Shale			385	898	Possible gas
Fruitland			898	1533	Coal/Gas/Water
Pictured Cliffs Ss			1533	1635	Probable Gas
Lewis Shale			1635	1834	
Chacra			1834	2280	Possible Gas
Cliff House Ss			2280	2424	Water/possible gas
Menefee			2424	3982	Coal/Ss/Water/probable gas
Point Lookout Ss			3982	4136	Probable water/possible O&G
Mancos Shale			4136	5074	Probable O&G
Gallup			5074	PBTD	O&G
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- The plugs proposed in the P&A procedure will adequately protect any freshwater sands in this well bore.
- Existing CR at 5052'.
- Gallup perfs 5178' – 5185'.

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 120824

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 120824
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	6/29/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report.	6/29/2022