Form 3160-5
(June 2015)

OCD Received
8/18/2020

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM25448

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
BISTI GALLUP 20 2

2. Name of Operator
DJR OPERATING LLC
Contact: SHAW-MARIE FORD
E-Mail: sford@djrllc.com

9. API Well No.
30-045-33944-00-S1

3a. Address
1600 BROADWAY SUITE 1960
DENVER, CO 80202

3b. Phone No. (include area code)
Ph: 505-632-3476

10. Field and Pool or Exploratory Area
BISTI LOWER GALLUP

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 20 T25N R12W NWNE 660FNL 1980FEL
36.392122 N Lat, 108.132560 W Lon

11. County or Parish, State
SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

KP

DJR requests permission to Plug & Abandon the subject well per the attached Procedure, Current & Proposed Wellbore Diagram and Reclamation Plan.

Notify NMOCD 24hrs
Prior to beginning
operations

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #520442 verified by the BLM Well Information System
For DJR OPERATING LLC, sent to the Farmington
Committed to AFMSS for processing by HEATHER PERRY on 07/06/2020 (20HCP0021SE)

Name *(Printed/Typed)* SHAW-MARIE FORD — Title REGULATORY SPECIALIST

Signature (Electronic Submission) — Date 06/26/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JOE KILLINS — Title ENGINEER — Date 08/17/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

AV

Plug and Abandonment Procedure

for

DJR Operating, LLC

Bisti Gallup 20-2

API # 30-045-33944

NW/NE, Unit B, Sec. 20, T25N, R12W

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 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. Unset TAC.
8. ND WH, NU BOP, function test BOP.
9. Trip out of hole with 2 3/8" tubing. LD tubing to be sent in for storage/salvage.
10. RDMO prep rig to next location.

II.

11. MIRU P&A rig and equipment.
12. PU workstring, TIH with bit and scraper, make sure that the bit and scraper will go below 4630'. TOOH.
13. PU and RIH with a 5 ½" cement retainer. Set the CR at +/- 4630'. Pressure test tubing to 1000 psi, sting out of CR, test casing to 600 psi. If casing does not test, contact engineering.

14. Plug 1. Sting back into CR and attempt to mix and pump 25 sx class G cement through the CR into the Gallup perforations. If zone pressures up, sting out of CR and continue with Plug 2.

15. Plug 2. Gallup: RU cement equipment, pump water to assure that tubing is clear. Mix and spot a 100' plug of Class G cement from 4630' to 4530'.

16. Plug 3. Mancos: Mix and spot a 100' balanced plug of Class G cement from 3818' to 3718'.

17. Plug 4. Mesa Verde and Chacra: Mix and spot a 530'balanced plug of Class G cement from 1936' to 1406'.

18. Plug 5: Pictured Cliffs: Mix and spot a 100' balanced plug of Class G cement from 1177' to 1077'.

19. Plug 6: Fruitland, Kirtland. Ojo Alamo: Mix and spot balanced plug from 850' to surface with Class G cement. Top off 8-5/8x5-1/2" annulus through 1" tubing, if necessary.

20. 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.

21. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.

22. 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
Bisti Gallup 20-2

API # 30-045-33944
NW/NE, Unit B, Sec 20, T25N, R12W
San Juan County, NM

GL	**6291'**
KB	**6303'**
Spud Date	**8/27/2008**

SURF CSG

Hole size	12.25"
Csg Size:	8.625"
Wt:	24#
Grade:	J-55
ID:	8.097"
Depth	406'
Csg cap ft^3:	0.3576
TOC:	Surface

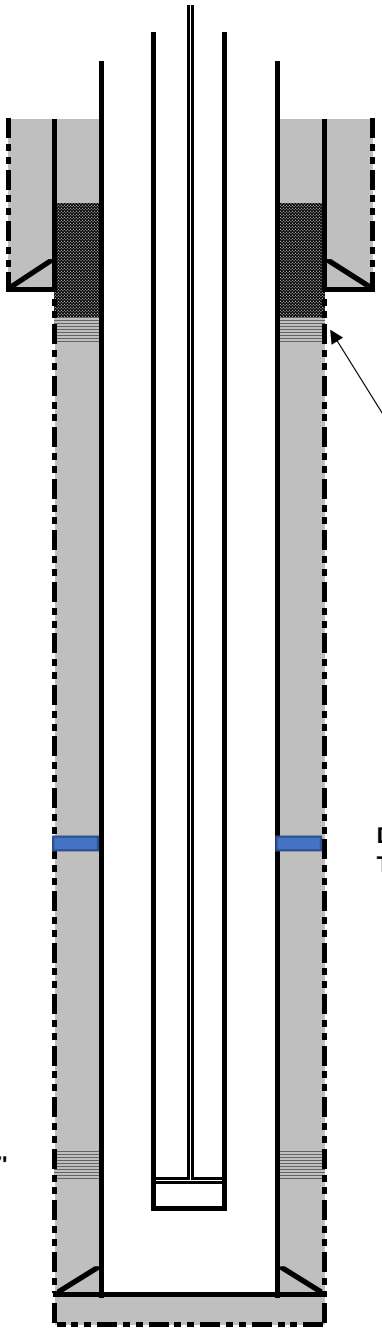
FORMATION TOPS

Nacimiento	**Surface**
Ojo Alamo	**N/A**
Kirtland	**578'**
Fruitland	**800'**
Pictured Cliffs	**1127'**
Chacra	**1456'**
Mesa Verde	**1886'**
Mancos	**3734'**
Gallup	**4653'**

PROD CSG

Hole size	7.875"
Csg Size:	5.5"
Wt:	15.5#
Grade:	J-55
ID:	4.95"
Depth	5150'
Csg cap ft^3:	0.1336
Csg/Csg Ann ft^3:	0.1926
Csg/OH cap ft^3:	0.1732
TOC:	Surface

DV Tool 3483'
Cement Circ to surface on both stages.



Perfs 4656-4877'

PBTD 5106'
TD 5150'

Prod Tubing Detail:
MA, 4'x2-3/8" PS, SN, 4 jts. 2-3/8" tbg, TAC, 150 jts. 2-3/8" tbg.

Rod Detail
2"x1-1/2"x16' RWAC pump, 4x1-1/4" K bars with twist on guides, 15x3/4" rods with molded guides, 171x3/4" plain rods, 2'x3/4" rod sub, 1-1/4"x22' polished rod with 10' liner.

2/2019: Set RBP at 4623'. Loaded casing with water. PT to 750 psi. Held for 20 mintues. Test good. PUH to 970' and reset RBP. Perfed 4 holes at 450'. Established rate. No flow out of bradenhead. 60 psi on bradenhead. Squeezed with 104sx Class G, 15.8 ppg, 1.15 cf/sk yield. WOC. Bradenhead pressure 0 psi. Drilled out cement. Loaded casing with water and PT at 625 psi for 30 minutes. Test good.

DV tool at 3483'.
TOC @ DV Tool

Proposed Wellbore Diagram

DJR Operating, LLC

Bisti Gallup 20-2

API # 30-045-33944
NW/NE, Unit B, Sec 20, T25N, R12W
San Juan County, NM

GL	**6291'**
KB	**6303'**
Spud Date	**8/27/2008**

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Hole size	12.25"
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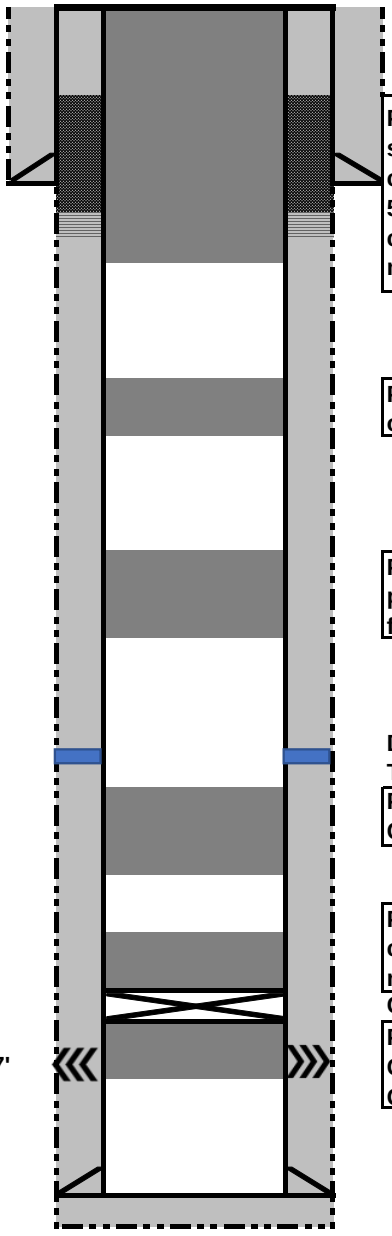
Cement Circ to surfac on both stages.



Perfs 4656-4877'

PBTD 5106'
TD 5150'

Plug 6: Fruitland, Kirtland, Ojo to surface. Pump 850' plug of Class G cement from 850' to surface. Top off 8-5/8"x5-1/2" annulus with Class G cement through 1" tbg to surface, if necessary.

Plug 5: Pictured Cliffs, pump 100' plug of Class G from 1177' to 1077'.

Plug 4: Mesa Verde and Chacra, pump 530' plug of Class G cement from 1936' to 1406'.

DV tool at 3483'.
TOC @ DV Tool

Plug 3: Mancos, pump 100' plug of Class G cement from 3818' to 3718'.

Plug 2: Gallup, spot 100' Class G cement from 4630' to 4530' on top of retainer.

CR 4630'

Plug 1: Mix and attempt to place 25 sx Class G cement through CR into Gallup perfs.

BLM FLUID MINERALS
Geologic Report

Date Completed: 8/14/20

Well No.	Bisti Gallup 20 # 2		Location	660′ FNL	&	1980′ FEL	
Lease No.	NMNM 25448		Sec. 20	T25N		R12W	
Operator	DJR Operating, LLC		County	San Juan	State	New Mexico	
Total Depth	5150′	PBTD 5106′	Formation	Bisti Lower Gallup			
Elevation (GL) 6291′			Elevation (KB) 6303′ (est.)				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento	Surface	Behind Surface Casing			Surface, fresh water sands
Ojo Alamo Ss	Behind Surface Casing			578′	Aquifer (fresh water)
Kirtland Shale			578′	800′	
Fruitland			800′	1110′	Coal/Gas/Possible water
Pictured Cliffs Ss			1110′	1290′	Gas
Lewis Shale			1290′	1456′	
Chacra			1456′	1740′	Possible water or gas
Menefee stringer			1740′	1858′	Coal/Ss/Water/Possible O&G
Cliff House Ss			1858′	2070′	Possible water or gas
Menefee (main)			2070′	3578′	Coal/Ss/Water/Possible O&G
Point Lookout Ss			3578′	3734′	Probable water/Possible O&G
Mancos Shale			3734′	4600′	Source rock
Gallup			4600′		O&G/Water
Graneros Shale					

Remarks:
P & A

- Please ensure that the tops of the Pictured Cliffs and Fruitland formations, as well as the entire Ojo Alamo aquifer, identified in this report, are isolated by proper placement of cement plugs. This will protect the freshwater sands in this well bore.

- The top of the Ojo Alamo formation is behind the surface casing. The proposed plugging plan will adequately protect the freshwater sands in this formation.

- All depths include a 12’ KB.

- Please note that the BLM geologist’s pick for the Menefee formation varies slightly from the operator’s pick and the Menefee is encountered twice, above and below the Cliff House.

Reference Well:
1) DJR Operating, LLC Fm. Tops Same

Prepared by: *Walter Gage*

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

Attachment to notice of Intention to Abandon
Well: Bisti Gallup 20 2
API: **30045339440OS1**

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 (505) 564-7750.

3. If casing fails to test contact BLM Engineering. No changes are to be made to this approved Sundry without prior approval from the BLM.

4. If necessary, submit electronic copy of the CBL for verification to the following addresses: jkillins@blm.gov , jhoffman@blm.gov and Brandon.Powell@state.nm.us . Based on CBL results inside/outside plugs and volumes will be adjusted accordingly.

5. BLM picks top of Pictured Cliffs at 1110' md. Modigy plug 5 to cover top 1060 – 1160' md.

6. A Subsequent Report Sundry Notice (Form 3160-5) must be submitted within 30 days after plugging operations are complete.

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.