

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. NMNM25446
		6. If Indian, Allottee or Tribe Name
		7. If Unit or CA/Agreement, Name and/or No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: COAL BED METHANE		8. Well Name and No. BISTI COAL 18 1
2. Name of Operator DJR OPERATING LLC	Contact: ALICE MASCARENAS E-Mail: amascarenas@djrlc.com	9. API Well No. 30-045-28140-00-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 BASIN FRUITLAND COAL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T25N R12W SWNE 2510FNL 1850FEL 36.401490 N Lat, 108.149250 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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.

DJR Operating, LLC request permission to Plug & Abandon the subject well per the attached procedure, wellbore diagram, and reclamation plan.

Notify NMOCD 24 hrs
prior to beginning
operations

NMOCD
JAN 22 2020
DISTRICT III

14. I hereby certify that the foregoing is true and correct. Electronic Submission #499283 verified by the BLM Well Information System For DJR OPERATING LLC, sent to the Farmington Committed to AFMSS for processing by JOE KILLINS on 01/15/2020 (20JK0084SE)	
Name (Printed/Typed) ALICE MASCARENAS	Title REGULATORY TECHNICIAN
Signature (Electronic Submission)	Date 01/15/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>JOE KILLINS</u>	Title <u>ENGINEER</u>	Date <u>01/16/2020</u>
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.

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**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:

Re: Permanent Abandonment
Well: Bisti Coal 18-1

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 (505) 564-7750.

**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.

Plug and Abandonment Procedure

for

DJR Operating, LLC

Bisti Coal 18-1

API # 30-045-28140

SW/NE, Unit G, Sec. 18, T25N, R12W

San Juan County, NM

I.

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.
2. Check and record tubing, casing and bradenhead pressures.
3. 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.
4. Trip out of hole with rods and pump. Lay down to be sent in for storage/salvage.
5. ~~ND-WH, NU-BOP, function test BOP.~~
6. Trip out of hole with 2 3/8" tubing. LD tubing to be sent in for storage/salvage.

II.

7. PU workstring, TIH with bit and scraper, make sure that the bit and scraper will go below 1330'. TOOH.
8. PU and RIH with a 4 1/2" cement retainer. Set the CR at +/- 1330'. Pressure test tubing to 1000 psi, sting out of CR, test casing to 800 psi. If casing does not test, contact engineering.

Provided that casing test was good, proceed to step 9.

9. RU up cement equipment. Pump water to assure that tubing is clear.
10. Plug 1. Fruitland Coal, Kirtland, Ojo Alamo and surface casing shoe. From 1330 to surface, 121.3 cu ft, 105.5 sx Class G at 1.15 yield. With 50% excess = 158.2 sx. (or pump cement until circulation is achieved at surface.)

11. RD cementing equipment. Cut off wellhead, fill annuli 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.
12. RD and MO all rig and cement equipment. Assure that location is free of trash and contamination before moving off.
13. Send all reports and attachments to DJR Aztec office for regulatory filings.

Current Wellbore Diagram
DJR Operating, LLC
Bisti Coal 18-1
 API # 30-045-28140
 SW/NE, Unit G, Sec 18, T25N, R12W
 San Juan County, NM

GL 6505
 KB N/A
 Spud Date 8/26/1990

SURF CSG
 Hole size 8.75
 Csg Size: 7
 Wt: 20#
 Grade: J-55
 ID: 6.456
 Depth 135
 cap cf/ft: 0.2273
 TOC: Surf

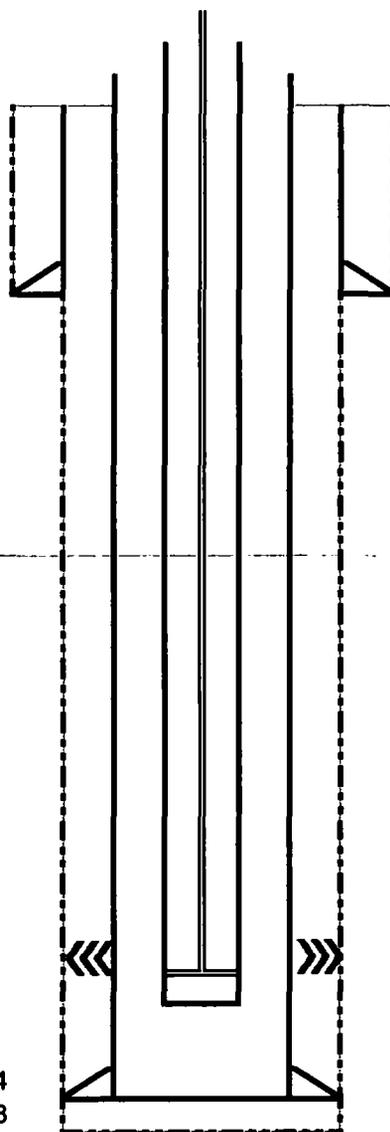
FORMATION TOPS

Nacimiento	Surface
Ojo Alamo	
Kirtland	814

PROD CSG
 Hole size 6.25
 Csg Size: 4.5
 Wt: 9.5#
 Grade: J-55
 ID: 4.09
 Depth 1527
 cap cf/ft: 0.0912
 Csg/Csg 0.1026
 Ann, cf/ft
 TOC: Circ to
 Surf

Fruitland	1115
Pictured Cliffs	1410
Fruitland Coal perms	1363 to 1409

PBTD 1404
 TD 1508



PROD TBG DETAIL:	
2 3/8	1374
SN	1343
1 1/4 x 16 polish rod	
2'+ 4' Ponies	
3/4 plain	4
3/4 guided, snapon	49
1 1/4 K bars	3
4' 7/8 stab	1
RWAC	2x1 1/2x12'

Proposed Wellbore P&A Diagram
DJR Operating, LLC
Bisti Coal 18-1
 API # 30-045-28140
 SW/NE, Unit G, Sec 18, T25N, R12W
 San Juan County, NM

GL 6505
 KB N/A
 Spud Date 8/26/1990

FORMATION TOPS

Plug Detail

SURF CSG

Hole size 8.75
 Csg Size: 7
 Wt: 20#
 Grade: J-55
 ID: 6.456
 Depth 135
 cap cf/ft: 0.2273
 TOC: Surf

Nacimiento Surface

 Ojo Alamo

 Kirtland 814

Plug 1: Fruitland, Kirtland, Ojo Alamo,
 Surface shoe to surface. 1330 to surface.
 158 sx Class G cement.

PROD CSG

Hole size 6.25
 Csg Size: 4.5
 Wt: 9.5#
 Grade: J-55
 ID: 4.09
 Depth 1527
 cap cf/ft: 0.0912
 Csg/Csg 0.1026
 Ann, cf/ft
 TOC: Circ to
 Surf

Fruitland 1115

 Pictured Cliffs 1410

Cement Retainer 1330

 Fruitland perms 1363 to 1409

 PBTD 1404
 TD 1508

