

Well Name: JICARILLA CONTRACT 428	Well Location: T23N / R4W / SEC 30 / SESW /	County or Parish/State: SANDOVAL / NM
Well Number: 7	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC428	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004320289	Well Status: Producing Gas Well	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2672544

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 05/19/2022	Time Sundry Submitted: 10:03
Date proposed operation will begin: 05/19/2022	

**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

BLM\_Submittal\_20220519100319.pdf

<b>Well Name:</b> JICARILLA CONTRACT 428	<b>Well Location:</b> T23N / R4W / SEC 30 / SESW /	<b>County or Parish/State:</b> SANDOVAL / NM
<b>Well Number:</b> 7	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b> JICARILLA APACHE
<b>Lease Number:</b> JIC428	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3004320289	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> DJR OPERATING LLC

Conditions of Approval

Additional

General\_Requirement\_PxA\_20220624145556.pdf  
2672544\_NOIA\_7\_3004320289\_KR\_06242022\_20220624145540.pdf  
Jicarilla\_Contract\_428\_No\_7\_Geo\_Rpt\_20220624093224.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

<b>Operator Electronic Signature:</b> SHAW-MARIE FORD	<b>Signed on:</b> MAY 19, 2022 10:03 AM
<b>Name:</b> DJR OPERATING LLC	
<b>Title:</b> Regulatory Specialist	
<b>Street Address:</b> 1 Road 3263	
<b>City:</b> Aztec	<b>State:</b> NM
<b>Phone:</b> (505) 632-3476	
<b>Email address:</b> sford@djrlc.com	

Field

<b>Representative Name:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b>		
<b>Email address:</b>		

BLM Point of Contact

<b>BLM POC Name:</b> KENNETH G RENNICK	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5055647742	<b>BLM POC Email Address:</b> krennick@blm.gov
<b>Disposition:</b> Approved	<b>Disposition Date:</b> 06/24/2022
<b>Signature:</b> Kenneth Rennick	

**Plug and Abandonment Procedure  
for  
DJR Operating, LLC  
Jicarilla Contract 428 7  
API # 30-043-20289  
SE/SW, Unit N, Sec. 30, T23N-R4W  
Sandoval County, NM**

**I.**

1. Hold Pre job meeting, comply with all NMOCD, BLM and environmental regulations.
2. MIRU 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. TOOH with 1-1/4" tubing. LD for salvage.
6. ND WH, NU BOP, function test BOP.

**II.**

7. PU gauge ring and RIH to near 2190'. POOH.
8. Plug 1: Pictured Cliffs perms and tops, Fruitland, Kirtland, and Ojo Alamo tops. PU and TIH with 1-1/2" work string. RU cement equipment. Establish rate. With end of tubing near 2188', mix and pump sufficient volume to bring TOC to 1652' inside 2-7/8" casing. Displace cement, TOOH, and SI with pressure. WOC. (Note: Stinger for a 2-7/8" cement retainer has an ID of 0.5", which is insufficient to allow cement to be pumped through it, when considering friction pressures of both that restriction and of the 1-1/2" workstring).
9. Tag TOC. Roll hole and pressure test casing to 600 psi. If test fails, contact office.

10. MIRU logging truck. Run CBL log from TOC to surface. Hold 600 psi on casing if possible. Send CBL log to Ken Rennick [krennick@blm.gov](mailto:krennick@blm.gov), Monica Kueling [monica.kueling@state.nm.us](mailto:monica.kueling@state.nm.us), Loren Diede [ldiede@djrlc.com](mailto:ldiede@djrlc.com), and [slindsay@djrlc.com](mailto:slindsay@djrlc.com). Plugs may be adjusted per log results.
11. Plug 2: Nacimiento top: RIH with wireline and perforate holes at 756'. POOH. TIH with workstring. With end of tubing at 756', mix and pump sufficient volume to bring TOC to 656' inside and outside. Displace cement, TOOH, and SI with pressure. WOC.
12. TIH and tag TOC. TOOH.
13. Plug 3. Surface casing shoe, surface plug: RIH with wireline and perforate holes at 113'. Tie on to 2-7/8" casing, establish rate, and mix and pump cement inside and outside from 113' to surface.
14. 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.
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.**

**Surface PxA marker it to be installed at surface, 12"x18", and exposed at the reclaimed GL surface.**

## Current Wellbore Diagram

DJR Operating, LLC

Jicarilla Contract 428 7

API # 30-043-20289

SE/SW, Unit N, Sec 30, T23N, R4W

Sandoval County, NM

GL 6884'

KB 6889'

Spud Date 3/27/1978

SURF CSG

Hole size 9-3/4"  
 Csg Size: 7"  
 Wt: 23#  
 Grade: J-55  
 ID: 6.366"  
 Depth 63'  
 cap cf/ft: 0.2210  
 TOC: Circ. To  
 surface

FORMATION TOPS

San Jose	Surf
Nacimiento	706'
Ojo Alamo	1702'
Kirtland	1900'
Fruitland	1974'
Pictured Cliffs	2164'

PROD TBG DETAIL:

1-1/4" K-55 10 rd landed at  
 2183'.

PROD CSG

Hole size 5.125"  
 Csg Size: 2.875"  
 Wt: 6.4#  
 Grade: J-55  
 ID: 2.441"  
 Depth 2290'  
 cap cf/ft: 0.0325  
 Csg/Csg Ann,  
 cf/ft: 0.1760  
 Csg/OH Ann,  
 cf/ft: 0.0982  
 TOC: 1454' (Calc.)

1454' (Calc.)

Pictured Cliffs perms 2164-88'

PBD 2279'

TD 2320'

**Proposed Wellbore Diagram**  
**DJR Operating, LLC**  
**Jicarilla Contract 428 7**  
**API # 30-043-20289**  
**SE/SW, Unit N, Sec 30, T23N, R4W**  
**Sandoval County, NM**

**GL 6884'**  
**KB 6889'**  
**Spud Date 3/27/1978**

**SURF CSG**

Hole size 9-3/4"  
 Csg Size: 7"  
 Wt: 23#  
 Grade: J-55  
 ID: 6.366"  
 Depth 63'  
 cap cf/ft: 0.2210  
 TOC: surface

**FORMATION TOPS**

San Jose	Surf
Nacimiento	706'
Ojo Alamo	1702'
Kirtland	1900'
Fruitland	1974'
Pictured Cliffs	2164'

Plug 3: Surface shoe and surface plug: Perf holes at 113'. Tie onto 2-7/8" casing and mix and pump sufficient cement to bring TOC to surface, inside and outside.

**PROD CSG**

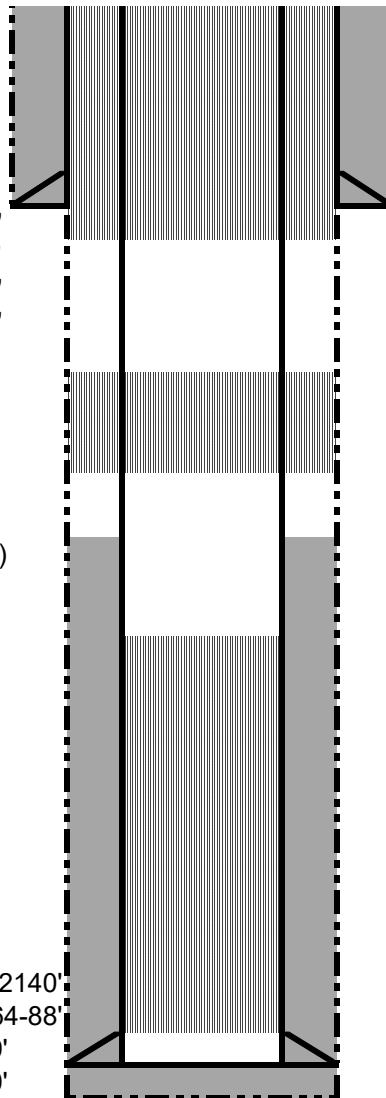
Hole size 5.125"  
 Csg Size: 2.875"  
 Wt: 6.4#  
 Grade: J-55  
 ID: 2.441"  
 Depth 2290'  
 cap cf/ft: 0.0325  
 Csg/Csg Ann, cf/ft: 0.1760  
 Csg/OH Ann, cf/ft: 0.0982  
 TOC: 1454' (Calc.)

1454' (Calc.)

Plug 2: Nacimiento: Perforate holes at 756'. With end of tubing near 756', mix and pump sufficient volume to bring TOC to 656' inside and outside. Pressure up to squeeze cement into perfs.

Plug 1: Pictured Cliffs, Fruitland, Kirtland, Ojo Alamo tops: Mix and pump sufficient volume to bring TOC from 2188' to 1652'. Attempt to squeeze cement into perfs.

Set CR near 2140'  
 Pictured Cliffs perfs 2164-88'  
 PBD 2279'  
 TD 2320'



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

AFMSS 2 Sundry ID 2672544

Attachment to notice of Intention to Abandon

Well: Jicarilla Contract 428 7

**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. The following modifications to your plugging program are to be made:
  - a. Before starting work, confirm Cement Retainer at 2140'. Proposed wellbore schematic has one, but the written procedure does not. Top of cement for plug 1 still requires to be at a minimum of 1652'.
3. 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 - FFO - Geologic Report****Date Completed** 6/23/2022

Well No. Jicarilla Contract 428 # 7 Surf. Loc. 790 FSL 1170 FWL  
 Sec. 30 T23N R4W

Lease No. Jic 428  
 Operator DJR Operating LLC County Sandoval State New Mexico  
 TVD 2320 PBTD 2279 Formation Pictured Cliffs  
 Elevation GL 6884 Elevation Est. KB 6889

Geologic Formations	Est. tops	Subsea Elev.	Remarks
San Jose	Surface		Surface
Nacimiento Fm.	706	6183	Fresh water sands
Ojo Alamo Ss	1702	5187	Aquifer (fresh water)
Kirtland Fm.	1900	4989	
Fruitland Fm.	2010	4879	Coal/gas/possible water
Pictured Cliffs Ss	2164	4725	Probable water
Lewis Shale	2238	4651	

Remarks:Reference Well:

-Extend Plug 1 to 1602' to account for required excess.  
 -Extend Plug 2 to 606' to account for required excess.

Same

Prepared by: Walter Gage

**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 120807

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 120807
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	6/29/2022
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