

Well Name: JICARILLA D	Well Location: T26N / R3W / SEC 30 / SESE / 36.4528689 / -107.1793575	County or Parish/State: RIO ARRIBA / NM
Well Number: 16	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC100	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003920999	Operator: HILCORP ENERGY COMPANY	

Notice of Intent

Sundry ID: 2800444

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 07/12/2024	Time Sundry Submitted: 10:35
Date proposed operation will begin: 08/01/2024	

**Procedure Description:** Hilcorp Energy Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 07/10/2024 with Bryan Hall, Alfred Vigil, Kurt Sandoval, Jason Sandoval, Olando Muniz, Lambert Chee (BLM, BIA, Jicarilla JOGA). The Re-Vegetation Plan is attached. A closed loop system will be used. Jicarilla has requested that a surface plate be used for the P&A marker for this location. Please see attached letter.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

2024\_07\_01\_\_\_JICARILLA\_D\_16\_\_\_P\_A\_NOI\_20240712103351.pdf

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Lease Number: JIC100	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003920999	Operator: HILCORP ENERGY COMPANY	

Conditions of Approval

Additional

General\_Requirement\_PxA\_20240729091606.pdf  
Jicarilla\_D\_016\_Geo\_KR\_20240729090807.pdf  
2800444\_NOIA\_D\_16\_3003920999\_KR\_07292024\_20240729090807.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: TAMMY JONES	Signed on: JUL 12, 2024 10:34 AM
Name: HILCORP ENERGY COMPANY	
Title: Regulatory Compliance Specialist	
Street Address: 382 ROAD 3100	
City: AZTEC	State: NM
Phone: (505) 324-5185	
Email address: TAJONES@HILCORP.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: 07/29/2024
Signature: Kenneth Rennick	



**HILCORP ENERGY COMPANY**  
**JICARILLA D 16**  
**P&A NOI**

API #: 3003920999

**JOB PROCEDURES**

1. Contact NMOCD and BLM (where applicable) 24 hours prior to MIRU.
2. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.
3. MIRU service rig and associated equipment; NU and test BOP.
4. Set a 4-1/2" CIBP or CICR at +/- 3,795' to isolate the PC Perfs.
5. Load the well as needed. Pressure test the casing above the plug to 560 psig.
6. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
7. PU & TIH w/ work string to +/- 3,795'.
8. **PLUG #1: 48sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 3,804' | PC Top @ 3,785' | FRD Top @ 3,490' | KRD Top @ 3,449' | OJO Top @ 3,290':**  
 Pump a 48 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 3,190'** & est. **BOC @ +/- 3,795'**). Wait on Cement for 4 hours, tag TOC w/ work string. \*Note cement plug lengths & volumes account for excess.
9. POOH w/ work string to +/- 2,574'.
10. **PLUG #2: 29sx of Class G Cement (15.8 PPG, 1.15 yield); DV Tool #1 Top @ 2,524' | NAC Top @ 2,304':**  
 Pump an 29 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 2,204'** & est. **BOC @ +/- 2,574'**). \*Note cement plug lengths & volumes account for excess.
11. TOOH w/ work string. TIH and perforate squeeze holes @ +/- 215'. TIH with tubing/work string. Establish Circulation.
12. **PLUG #3: 63sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 165':**  
 Pump 10sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 165'** & est. **BOC @ +/- 215'**). Continue pumping 36sx of cement in the 4-1/2" casing X 8-5/8" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 165'**). Pump a 17 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 215'**). WOC for 4 hrs, tag TOC w/ work string. \*Note cement plug lengths and volumes account for excess.
13. ND BOP, cut off casing below casing flange. Top off cement in surface casing annulus, if needed. Install a P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.



**HILCORP ENERGY COMPANY**  
**JICARILLA D 16**  
**P&A NOI**

**JICARILLA D 16 - CURRENT WELLBORE SCHEMATIC**

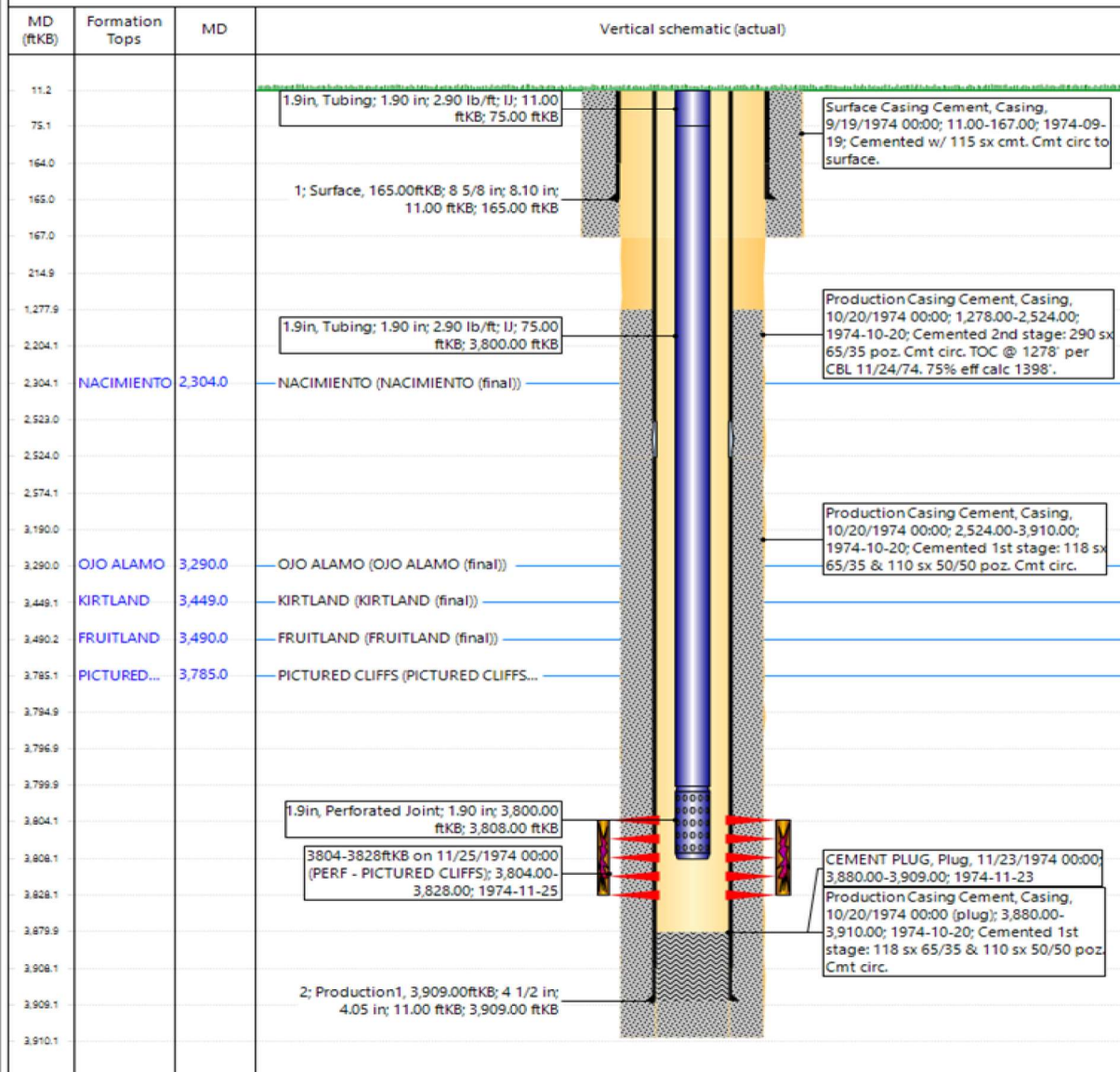


**P&A WBD - Current Schematic**

**Well Name: JICARILLA D 016**

API / UWI 3003920999	Surface Legal Location 030-026N-003W-P	Field Name PC	Route 1411	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 7,174.00	Original KBRT Elevation (ft) 7,185.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 11.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

**Original Hole [Vertical]**



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Report Printed: 7/1/2024





**HILCORP ENERGY COMPANY**  
JICARILLA D 16  
P&A NOI

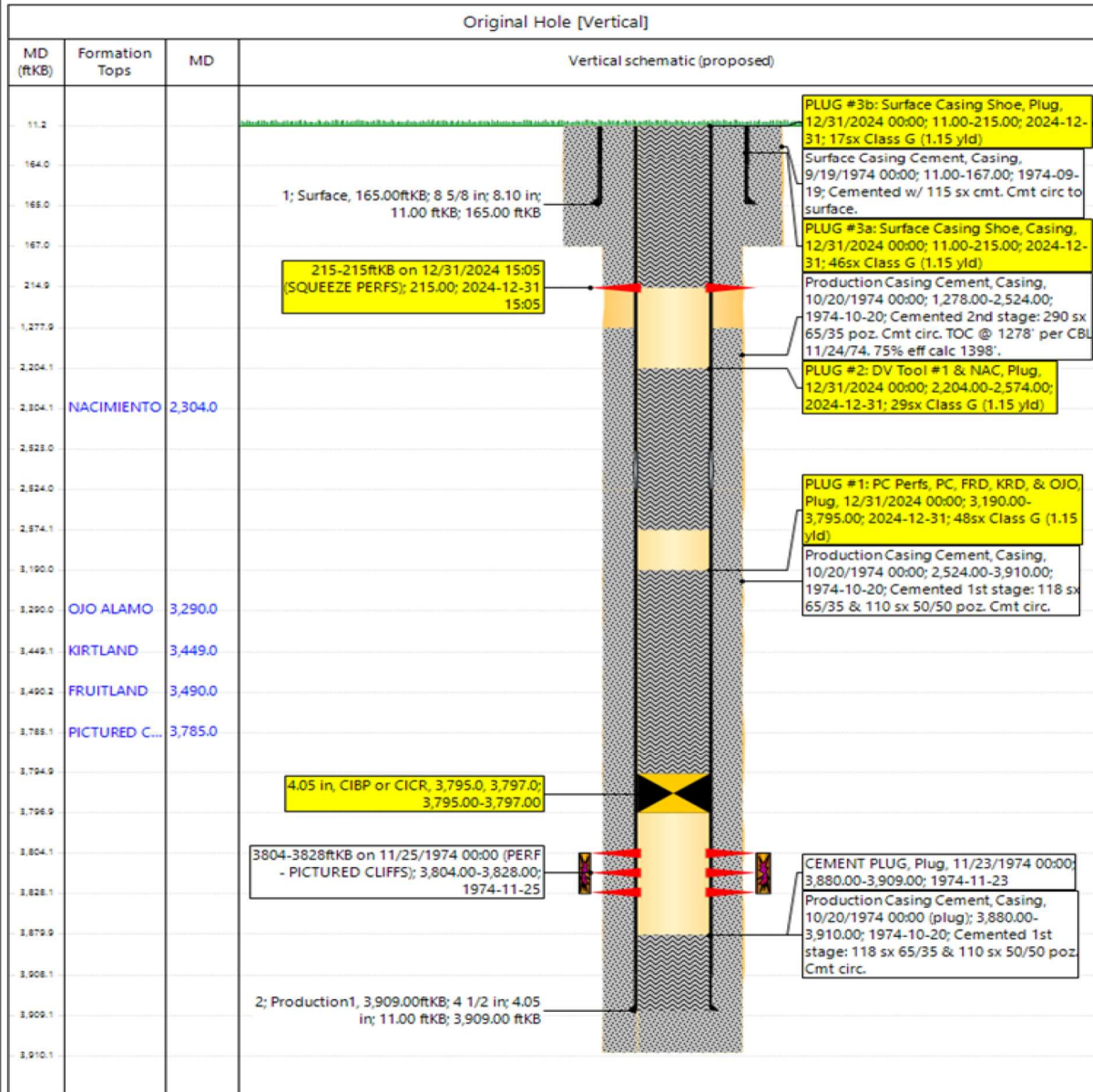
**JICARILLA D 16 - PROPOSED WELLBORE SCHEMATIC**



**P&A WBD - Proposed Schematic**

Well Name: JICARILLA D 016

API / UWI 3003920999	Surface Legal Location 030-026N-003W-P	Field Name PC	Route 1411	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 7,174.00	Original KB/RT Elevation (ft) 7,185.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 11.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)



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Report Printed: 7/1/2024

## Hilcorp Energy

Jicarilla D 16

36.45294, -107.17942

API-30-039-20999

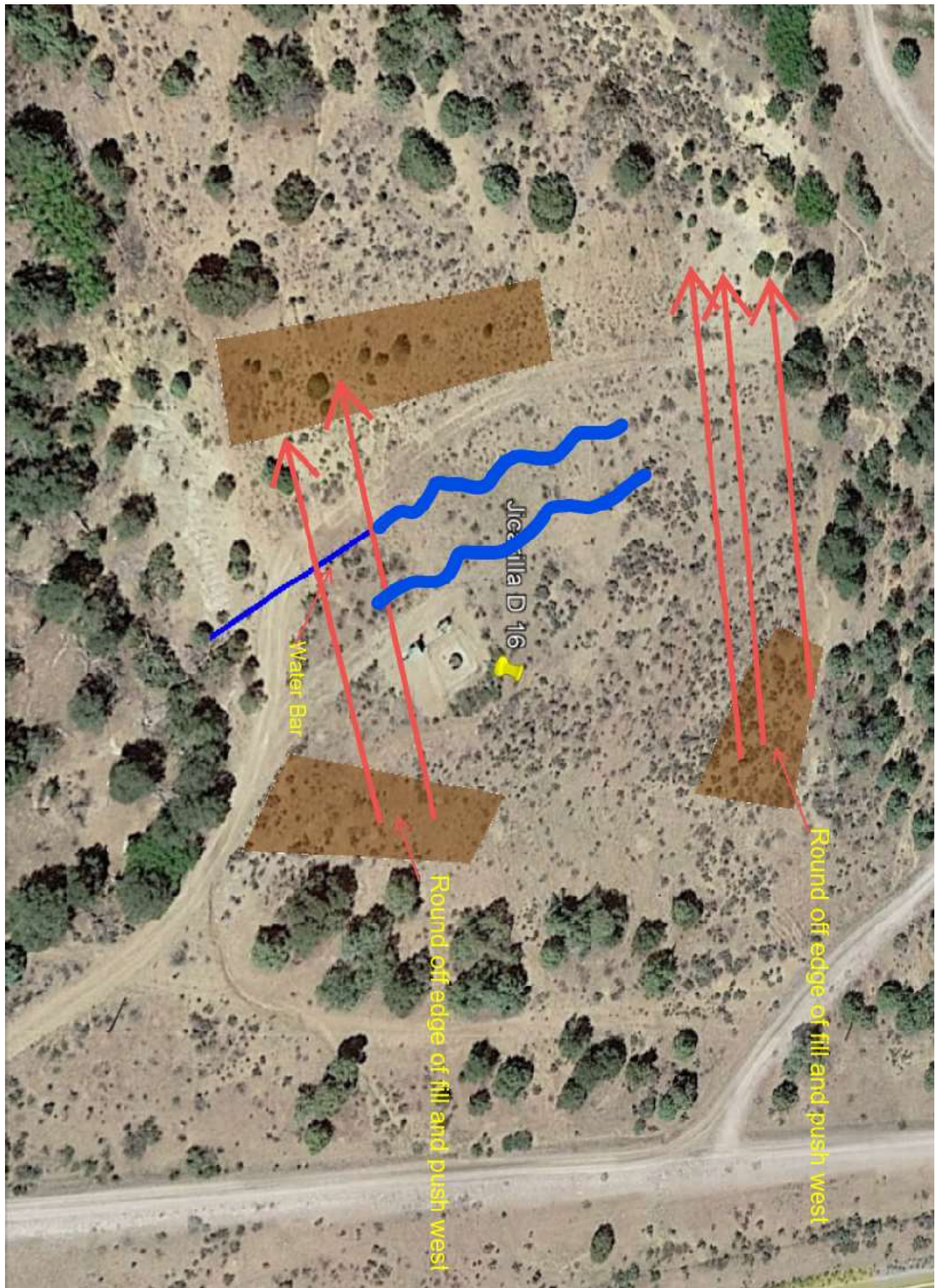
Jicarilla Lease #100

### Pre-Onsite Final Reclamation Plan

Onsite Completed on 7/10/2024 with Bryan Hall, Alfred Vigil, Kurt Sandoval, Jason Sandoval, Orlando Muniz, Lambert Chee (BLM, BIA, Jicarilla JOGA)

1. Pick up and remove all trash, metal, cable, and any foreign debris within 100' of location.
2. Remove anchors.
3. Strip equipment off facility. Test under pit, and separator.
4. Harvest to remove meter run, line drip and piping back to dog leg.
5. Brush hog location.
6. Round off NE edge of fill and push to the NW cut, leaving existing trees.
7. Round off SE edge of fill and push to the SW cut, leaving trees.
8. Rip and seed bare spots.
9. Install water bar on SW side of location and design to allow water to spread over location.
10. Set surface wellhead marker plate.
11. Reclaim road back to the main road. Install rolling water diversions as needed.
12. Install woven field wire fence at main road.
13. Rip compacted soil.
14. Weed Management: No noxious weeds were found on location.
15. Re-seed all disturbed areas. Drill where applicable at rate per acre defined by seed mix, and broadcast seed and harrow, at double the rate, all other disturbed areas. Mesa Mix seed mix will be used.











# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Jicarilla Agency

P.O. Box 167

Dulce, New Mexico 87528

IN REPLY REFER TO:

Branch of Real Estate Services

November 15, 2019

## Memorandum

To: Robert Switzer, Environmental Protection Specialist  
Bureau of Land Management, Farmington Field Office

From: Kurt Sandoval, Realty Officer  
Bureau of Indian Affairs, Jicarilla Agency

Subject: BIA Concurrence concerning Well Pad Monument Makers

Let this serve as concurrence for the agreed upon preferred method to be used when constructing well pad monument markers on Jicarilla Apache Tribal Lands. We will eliminate the 6 ft. dry hole marker and use a permanent metal plate that will be installed at ground level, effective September 2019. The marker will contain the following information:

- Well Pad Lease Number
- Well Pad Location Name and Number
- Well Pad Legal Description, specifically Section, Township and Range
- Well Pad API Number
- Well Pad Plug Date
- Well Pad Operator Name

You may contact our office if you have any questions or concerns at (575) 759-3936. Thank you.

  
Realty Officer

cc: Jicarilla Oil and Gas Administration

**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.



BLM - FFO - Geologic Report

Date Completed 7/29/2024

Well No.	Jicarilla D 016	Surf. Loc.	910 FSL	850 FEL
US Well No.	30-039-20999		Sec. 30	T. 26N R. 3W
Lease No.	JIC100			
Agrmt #		County	Rio Arriba	State New Mexico
Operator	Hilcorp Energy Company	Formation	Tapacito	Pictured Cliffs
TVD	3910	PBTD	3880	Elevation KB 7185
Elevation GL	7174			

Geologic Formations	Est. tops	Remarks
Nacimiento Fm.	2304	Fresh water sands
DV Tool	2524	
Ojo Alamo Ss	3290	Fresh water aquifer
Kirtland Shale	3449	
Fruitland Fm	3490	Coal/gas/possible water
Pictured Cliffs	3785	Possible gas/water

Remarks:

Reference Well:

The available raster log supports formation tops selected by the operator. No changes.

Same

Prepared by: Kenneth Rennick

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

AFMSS 2 Sundry ID 2800444

Attachment to notice of Intention to Abandon

Well: Jicarilla D 16

**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 07/29/2024

**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 368359

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 368359
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	approved for record only	7/30/2024