

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: JICARILLA CONTRACT
146

Well Location: T25N / R5W / SEC 10 /
NWNW / 36.41919 / -107.352239

County or Parish/State: RIO
ARRIBA / NM

Well Number: 3

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:
JICARILLA APACHE

Lease Number: JIC146

Unit or CA Name:

Unit or CA Number:

US Well Number: 3003906112

Operator: HIGH RIVER RESOURCES
OPERATING LLC

Notice of Intent

Sundry ID: 2905039

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/08/2026

Time Sundry Submitted: 10:48

Date proposed operation will begin: 07/01/2026

Procedure Description: High River Resources Operating LLC would like to request to plug and abandoned the above referenced well per the attached procedure.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Jicarilla_Contract_146_03_Proposed_NOI_3_20260408104537.pdf

Jicarilla_Contract_146_3_Rec_Plan_10.17.2024_20260408104449.pdf

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US Well Number: 3003906112

Operator: HIGH RIVER RESOURCES OPERATING LLC

Conditions of Approval

Additional

General_Requirement_PxA_20260409130830.pdf

2905039_146_3_3003906112_NOIA_COA_04092026_20260409130754.pdf

JicarillaContract146__3_P_AGeoReport_20260409130735.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: SHARLA STOOHOFF

Signed on: APR 08, 2026 10:45 AM

Name: HIGH RIVER RESOURCES OPERATING LLC

Title: Regulatory Specialist

Street Address: 2700 FARMINGTON AVE BLD K STE 1

City: FARMINGTON **State:** NM

Phone: (505) 325-0318

Email address: SSTOOHOFF@HIGHRIVERLLC.COM

Field

Representative Name: Amy Archuleta

Street Address:

City: **State:** **Zip:**

Phone: (505)320-6917

Email address: aarchuleta@highriverllc.com

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: 04/09/2026

Signature: Kenneth Rennick

**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), 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: 4/9/2026

Well No.	Jicarilla Contract 146 #3	Surf. Loc.	990	FNL	1140	FWL
API	30-039-06112		T. 25 N	R. 05 W	Section	10
Operator	HilCorp Energy Company	County	Rio Arriba	State	NM	
Elevation (KB)	6722					
Lease #	JIC146					

Geologic Formations	Tops (TVD)	Remarks
Nacimiento	948	Possible F/W
Ojo Alamo	2380	F/W Sands
Kirtland	2584	
Fruitland	2816	Coal, Gas
Pic. Cliffs	2959	Gas

Completed by Alek K

Save

Print

Clear

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB
No. 1004-0137 Expires:
December 31, 2024

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.**

5. Lease Serial No. Jicarilla 146

6. If Indian, Allottee or Tribe Name
Jicarilla Apache

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

8. Well Name and No. Jicarilla Contract 146 #3

9. API Well No. 30-039-06112

10. Field and Pool or Exploratory Area
Blanco South, Pictured Cliffs

11. Country or Parish, State
Rio Arriba, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
High River Resources Operating, LLC

3a. Address 2700 Farmington Ave. Bldg K, Suite 1
Farmington, NM 87401

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
D-10-25N-05W 990 FNL & 1140 FWL

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 recomplate 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 perfonned 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 detennined that the site is ready for final inspection.)

JMR Services, LLC plans to P&A this well per the attached procedure.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

PLUG AND ABANDONMENT PROCEDURE

8/18/2021

Jicarilla Contract 146 #003

Pictured Cliffs – Blanco South

990' FNL, 1140' FWL, Section 10, T25N, R5W, Rio Arriba County, New Mexico

API 30-039-06112 / Long 36.41912 / -107.35211

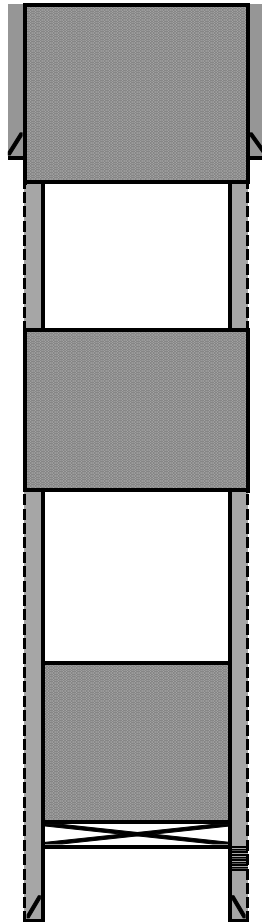
Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
2. R/T 7" gauge ring or mill to 2864'. RIH and set 7" CR at 2914'.
3. MIRU logging truck. Run CBL log TOC to surface. Hold 600 psi on casing if possible. NOTE: Results of CBL may change the following plugs. Pressure test tubing to 1000#. Attempt to pressure test casing to 800#.
4. **Plug #1 (Pictured Cliffs perforations and top, Fruitland, Kirtland and Ojo Alamo tops: 2914' - 2300')**: Mix and pump 113 sxs Class G cement and spot a balanced plug inside casing to cover PC through the Ojo Alamo top. TOH.
5. **Plug #2 (Nacimiento top, 1050' - 950')**: Perforate squeeze holes at 1050'. Establish injection rate. RIH and set 7" CR @ 1000'. Mix and pump 57 sxs Class G cement, squeeze 31 sxs outside casing and leave 26 sxs inside to cover the Nacimiento top. TOH.
6. **Plug #3 (9-5/8" Surface casing shoe and Surface, 210' - Surface)**: Perforate 4 squeeze holes at 210'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 109 sxs Class G cement and pump down the 7" casing to circulate good cement out bradenhead. Shut in well and WOC.
7. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations

High River		PROPOSED	
Author:	<u>Abby @ JMR</u>	Well No.	<u>#3</u>
Well Name	<u>Jicarilla Contract 146</u>	API #:	<u>30-039-06112</u>
Field/Pool	<u>PC; Blanco PC Sth</u>	Location:	<u>Sec 10, T25N, R5W</u>
County	<u>Rio Arriba</u>	State	<u>990' FNL, 1140' FWL</u>
State	<u>NM</u>	GL:	<u>3710'</u>
Spud Date	<u>6/17/1955</u>		

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	<u>9 5/8</u>	<u>J55</u>	<u>32#</u>	<u>160</u>		<u>125</u>	<u>0</u>
Prod Csg	<u>7</u>	<u>J55</u>	<u>20#</u>	<u>2,964</u>		<u>125</u>	<u>1930 +/-</u>

Formation	Top
Nacimiento	1000 +/-
Ojo Alamo	2380 +/-
Kirtland	2584 +/-
Fruitland	2816 +/-
Pictured Cliffs	2959



9 5/8 32# CSG @ 160
Hole Size: 0
Plug #3 (9-5/8" Surface casing shoe and Surface): Perf & Sqz 109 sx Class G cmt @ 210' to surface. (65 sx outside, 44 sx inside)

Plug #2 (Nacimiento top): Perf & Sqz 57 sxs Class G cement @ 1050-950'. (31 sxs outside and 26 sxs inside)

Plug #1 (Pictured Cliffs perforations and top, Fruitland, Kirtland and Ojo Alamo tops): Set CR @ 2914'. Spot 113 sxs Class G cement @ 2914-2300'.

Perfs @ 2964-2998'

7 20# CSG @ 2,964
Hole Size: 0

TD @ 2998'



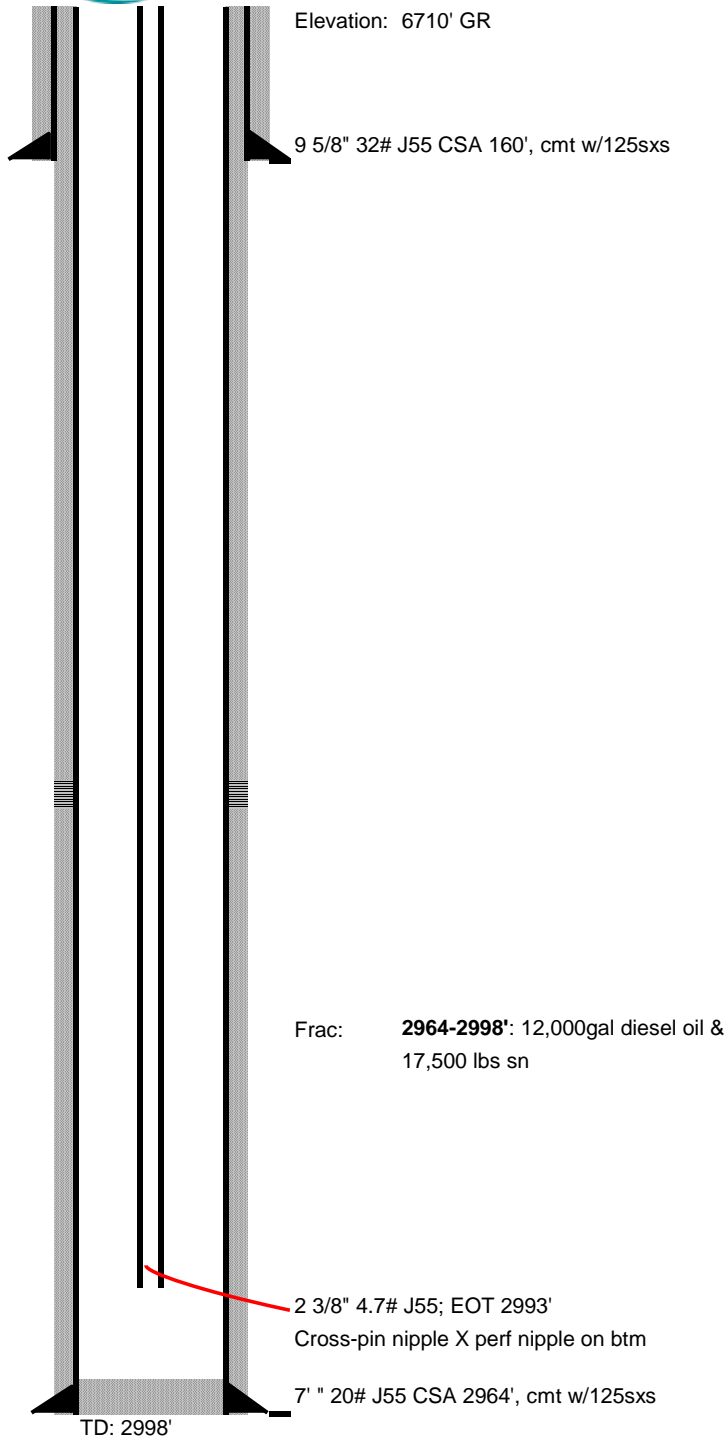
Jicarilla 146 No.3
CURRENT WBD

Location: 990' FNL, 1140' FWL, Sec 10, T25N,
R5W, Rio Arriba County, New
Mexico
Lse #: Jicarilla Contract #146

Field: Pictured Cliffs

API #: 30-039-06112

Spud Date: June 17, 1955



Delia Pacheco
8/19/2024



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
6251 College Boulevard, Suite A
Farmington, New Mexico 87402
<http://www.blm.gov/nm>



CONDITIONS OF APPROVAL

April 9, 2026

Notice of Intent – Plug and Abandonment

Operator: High River Resources Operating LLC
Lease: JIC146

Well(s): Jicarilla Contract 146 4, US Well # 30-039-06112
Sundry Notice ID #: 2905039

The Notice of Intent to Plug and Abandon is accepted with the following Conditions of Approval (COA):

1. **Deadline of Completion of Operations:** Complete the plugging operation by **October 1, 2026**.
2. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
3. The following modifications to your plugging program are to be made:
 - a. Send CBL results to the Bureau of Land Management by email at krennick@blm.gov.
 - b. Modify Plug 1: Make the TOC 2280', 100' above Ojo Alamo formation top at 2380'.
 - c. Modify Plug 2: Perforate at approximately 998' and attempt to make TOC approximately 848' to cover the BLM geologist's pick for the Nacimiento at 948'.
4. **Notification:** 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.

K. Rennick 04/09/2026

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 573705

CONDITIONS

Operator: High River Resources Operating, LLC 2700 Farmington Ave FARMINGTON, NM 87401	OGRID: 328985
	Action Number: 573705
	Action Type: [C-103F] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Accepted for record	4/20/2026