

Well Name: APACHE

Well Location: T24N / R4W / SEC 3 /
SWSW / 36.33386 / -107.24921

County or Parish/State: RIO
ARRIBA / NM

Well Number: 19

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:
JICARILLA APACHE

Lease Number: JIC127

Unit or CA Name:

Unit or CA Number:

US Well Number: 300392144600S1

Operator: HIGH RIVER RESOURCES
OPERATING LLC

Notice of Intent

Sundry ID: 2905017

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/08/2026

Time Sundry Submitted: 10:32

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

Apache__127__019_Rec_Plan_10.17.2024_20260408102612.pdf

Apache19_Proposed_NOI_4_20260408102412.pdf

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Operator: HIGH RIVER RESOURCES OPERATING LLC

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 10:26 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

PLUG AND ABANDONMENT PROCEDURE

8/18/2024

Apache #19

South Blanco P.C.

790' FSL, 790' FWL, Section 3, T24N, R4W, Rio Arriba County, New Mexico

API 30-039-21446 / Lat/Long 36.33384 / -107.25029

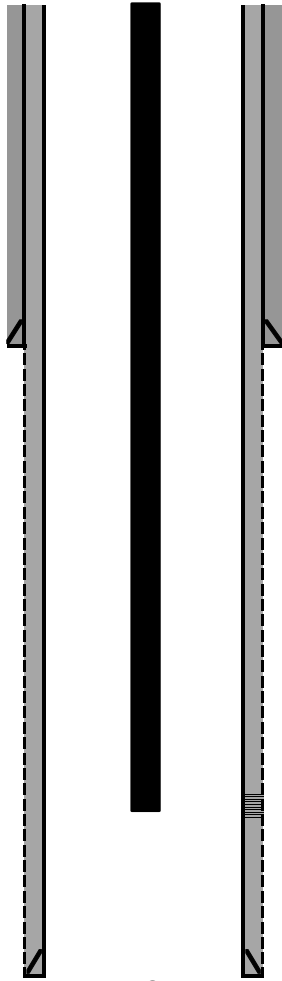
Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

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 4.5" gauge ring or mill to 2797'. RIH and set 4.5" CR at 2847'.
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. Attempt to pressure test casing to 800#. If casing does not test, then spot or tag subsequent plugs as necessary.
4. **Plug #1 (Pictured Cliffs perforations and top, Fruitland, Kirtland and Ojo Alamo tops, 2847'-2193')** Mix and pump 48 sxs Class G cement and spot a balanced plug inside casing from 2847' to cover the PC through the Ojo Alamo Top. PUH.
5. **Plug #2 (Nacimiento top, 850' - 700')**: Perforate & squeeze holes at 850'. Establish injection rate. RIH & set 4.5" CR @ 750'. Mix and pump 74 sxs Class G cement, Squeeze 60 sx outside casing and leave 14 sx inside casing to cover the Nacimiento top. TOH.
6. **Plug #3 (8-5/8" Surface casing shoe and Surface, 190' - Surface)**: Perforate 4 squeeze holes at 190'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 99 sxs Class G cement and pump down the 4.5" 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		CURRENT	
Author:	<u>Abby @ JMR</u>	Well No.	<u>#19</u>
Well Name	<u>Apache</u>	API #:	<u>30-039-21446</u>
Field/Pool	<u>Blanco P.C. Sth</u>	Location:	<u>Sec 3, 24N, 04W</u>
County	<u>Rio Arriba</u>	GL:	<u>6771</u>
State	<u>NM</u>		
Spud Date	<u>7/4/1977</u>		

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8	K55	24#	139	12 1/4	180	0
Prod Csg	4 1/2	K55	10.5#	3,012	7 7/8	175	2100' calc

Formation Tops	
Nacimiento	800 +/-
Oju Alamo	2193
Kirtland	2567
Fruitland	2691
Pictured Cliffs	2850



8 5/8 24# CSG @ 139
Hole Size: 12 1/4

FRAC
 19,000 gal foam/20,250 gal h2o
 60,000 gal h2o/ 65,000# sand

PROD. TBG.
 1 1/4" @ 2925'

Perfs @ 2897-2984'

8 5/8 24# CSG @ 3,012
Hole Size: 7 7/8

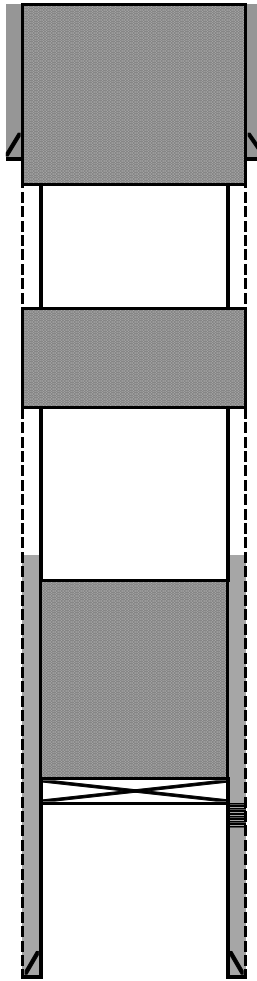
TDPB @ 3010'
TD @ 3012'

IP TEST
 Flow thru 3/4" choke 3 hrs
 FTP 50 PSI
 FCP 300 PSI
 After 3 hrs -3/4" choke =767 MCFD
 CAOF=839 MCFD

High River		PROPOSED	
Author:	<u>Abby @ JMR</u>	Well No.	<u>#19</u>
Well Name	<u>Apache</u>	API #:	<u>30-039-21446</u>
Field/Pool	<u>Blanco P.C. Sth</u>	Location:	<u>Sec 3, 24N, 04W</u>
County	<u>Rio Arriba</u>	State	<u>NM</u>
Spud Date	<u>7/4/1977</u>	GL:	<u>6771</u>

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Nacimiento	800 +/-
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Pictured Cliffs	2850



8 5/8 24# CSG @ 139
Hole Size: 12 1/4

Plug 3 (8-5/8" Surface casing shoe and Surface): Perf & Sqz 99 sx class G cmt @ 190' to surface. (82 sx outside, 17 sx inside)

Plug 2 (Nacimiento top): Perf & Sqz 74 sx class G cmt @ 850-700'. (60 sx outside csg, 14 sx inside)

Plug 1 (Pictured Cliffs perforations and top, Fruitland, Kirtland and Ojo Alamo tops): Set CR @ 2847'. Spot 48 sx class G cmt @ 2847-2193'

Perfs @ 2897-2984'

4 1/2 10.5# CSG @ 3,012
Hole Size: 7 7/8

TDPB @ 3010'
TD @ 3012'



Apache (127) No. 019

790' FSL x 790' FWL M-SW/SW Sec 03, T24N, R04W
Rio Arriba County, NM / API 30-039-21446

PURPOSE AND SCOPE

The purpose of this Reclamation Plan is to ensure final reclamation of the **Apache (127) #019** well pad site, associated access road and well tie pipeline based on the BLM/BIA/EnerVest Operating/HRRO LLC on-site inspection conducted on **September 27, 2024**. Those in attendance were:

Enervest/HRRO Operating	Jicarilla Oil and Gas Admin	Jicarilla BIA	BLM- FFO
Jeff Cross	Alfred Vigil, Jr	Kurt Sandoval	N/A
Roy Greene	Donna Montoya		
		Jicarilla EPO	
Daniel Sloan-Enterprise		N/A	

Well Pad Reclamation

(Note: some steps may occur in a different sequence than listed below or may occur simultaneously as the case may be):

The following activities were discussed and agreed to during the on-site visit.

- Remove all trash and debris from location and access road.
- Remove all equipment on location (WH, meter house, stairs)
- Remove all piping on location including drip line that is close to the existing meter house.
- Remove all anchors.
- Soil will be moved from the Northeast part of the location and pulled to the South (road area).
- There is a previously P&A'd location to the south the Apache (127) #115 that has an existing pipe that must be removed when the remediation of this location starts.

Waste Material Handling and Disposal

- All surface equipment, contaminated soil and trash will be removed from the location and disposed of at an approved waste disposal facility.
- There are no pits or tanks on this location.

Access Road Reclamation

- There is not an access road to this location. The location is open to an existing road and will be fenced to detour traffic.



Apache (127) No. 019

790' FSL x 790' FWL M-SW/SW Sec 03, T24N, R04W
Rio Arriba County, NM / API 30-039-21446

Revegetation

The well pad and adjacent and previously P&A location Apache (127) #115 will also be reseeded and mulched with South Seed Mix.

Reclamation well pad Seed Mix for the area—South Seed Mix

Common Name	Variety	PLS / A**
Blue grama	Hachita	0.6
Galleta	Viva	0.8
Indian ricegrass	Paloma or Nezpar	1.1
Western wheatgrass	Arriba or Barton	3.2
Pubescent wheatgrass	Luna	2.1
Crested wheatgrass	Ephraim or Hycrest	1.5
Blue Flax	Appar	0.3
Palmar Penstemon	Cedar	1.0

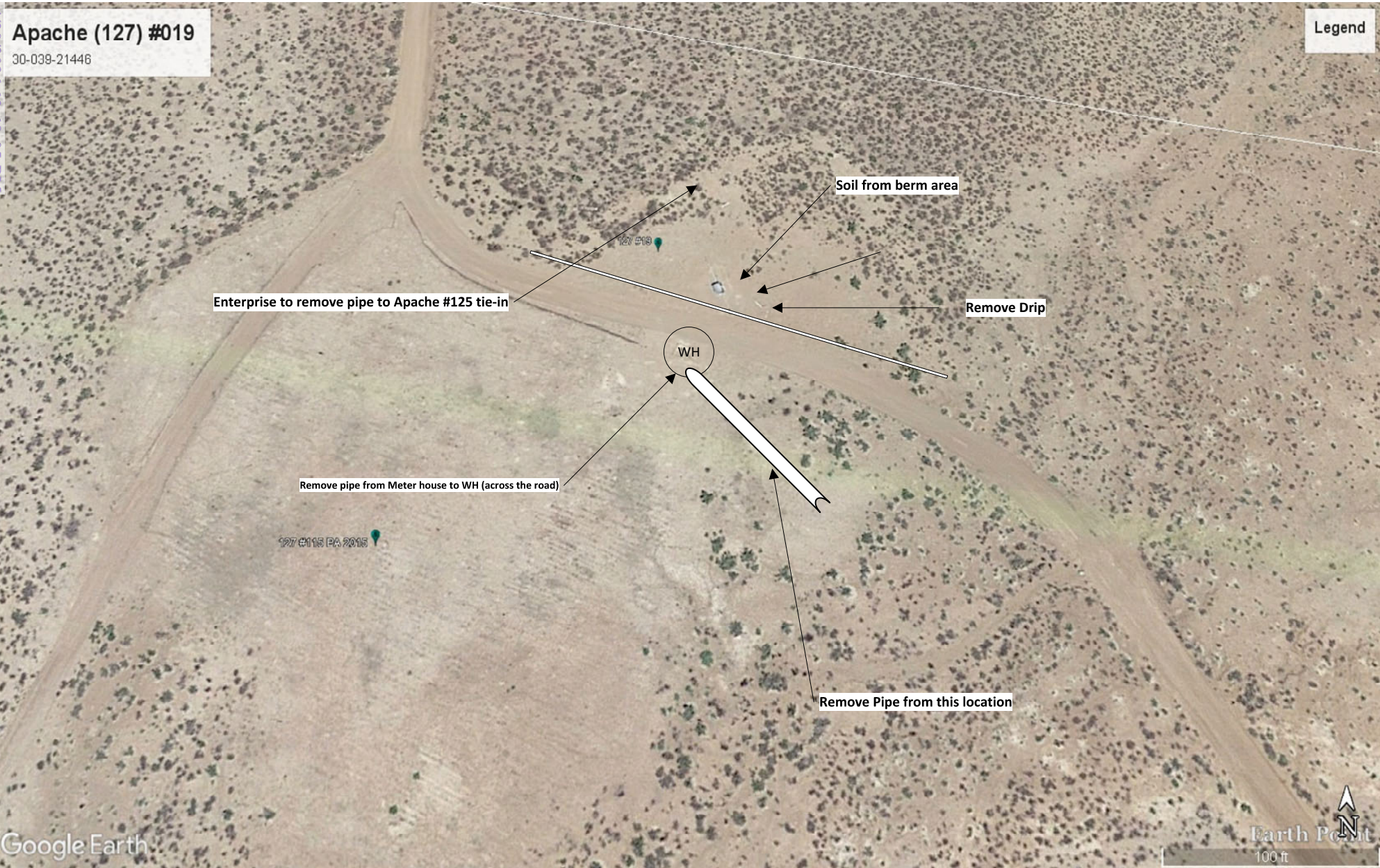
* Recommended seeding rate will be doubled if seed is applied by broadcasting or hydroseeding.
** Pure live Seed (PLS) = Purity x (Germination + Hard Seed) x Total Bulk # Example: 25# PLS = 50% Purity x (35% Germ + 15 % dormant) x 100# bulk

Pipeline Reclamation – Enterprise Products

- Enterprise will remove the existing meter house
- Pipe will be removed from the dog leg that goes to the Apache (127) #125. Two weeks' notice is required before removing the pipe.

Site Photo:

See attached Photo





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 13, 2026

Notice of Intent – Plug and Abandonment

Operator: High River Resources Operating LLC
Lease: JIC127

Well(s): Apache 19, US Well # 30-039-21446
Sundry Notice ID #: 2905017

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 1935', 100' above BLM geologist's Ojo Alamo formation pick at 2035'.
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 04/13/2026



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790' FSL x 790' FWL M-SW/SW Sec 03, T24N, R04W
Rio Arriba County, NM / API 30-039-21446

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Site Photo:

See attached Photo



**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.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
6251 College Boulevard, Suite A
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Lease: JIC127

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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 04/13/2026

BLM - FFO - Geologic Report

Date Completed 4/13/2026

Well No.	Apache No 19	Surf. Loc.	790	FSL	790	FWL
Lease No.	Jic127			Sec	3	T24N
Operator	High River Resources Operating	County	Rio Arriba			R4W
US Well #	3003921446			State		New Mexico
TVD	3012	PBTD	3010	Formations: South Blanco Pictured Cliffs		
Elevation	GL		6771	Elevation	Est. KB	6782

Geologic Formations	Est. tops	Subsea Elev.	Remarks
San Jose Fm.	Surface	6782	
Surface Casing	139	6643	
Nacimiento Fm.	800	5982	Surface /fresh water sands
Ojo Alamo Ss	2035	4747	Fresh water aquifer
Kirtland Fm.	2520	4262	
Fruitland Fm.	2635	4147	Coal/gas/possible water
Pictured Cliffs	2840	3942	Possible gas/water

Remarks:

Reference Well:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.

-Plug 1 in the plugging diagram contains a representation of a higher outside plug while the plug description contains only a balanced inside plug. Either add an outside plug to the schematic description or change the diagram to a balanced inside plug.

High River Resources

Same

Prepared by: Walter Gage

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 574830

CONDITIONS

Operator: High River Resources Operating, LLC 2700 Farmington Ave FARMINGTON, NM 87401	OGRID: 328985
	Action Number: 574830
	Action Type: [C-103F] NOI Plug & Abandon (C-103F)

CONDITIONS

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