

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

Well Name: JICARILLA H

Well Location: T24N / R4W / SEC 5 /
SWSW / 36.335294 / -107.284697

County or Parish/State: RIO
ARRIBA / NM

Well Number: 6

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:
JICARILLA APACHE

Lease Number: JIC111

Unit or CA Name:

Unit or CA Number:

US Well Number: 300390561900S1

Operator: SOUTHLAND ROYALTY
COMPANY

Notice of Intent

Sundry ID: 2896105

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 02/16/2026

Time Sundry Submitted: 12:47

Date proposed operation will begin: 10/01/2026

Procedure Description: MorningStar Operating requests approval of the attached Procedure to P&A the Jicarilla H #6. Also attached are the WBDs.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Jicarilla_H_6_Proposed_PA_WBD_02.16.2026_20260216124632.pdf

Jicarilla_H_6_Current_WBD_02.13.2026_20260216124625.pdf

Jicarilla_H_6_Proposed_PA_procedure_02.16.2026_20260216124610.pdf

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US Well Number: 300390561900S1

Operator: SOUTHLAND ROYALTY COMPANY

Conditions of Approval

Specialist Review

Jicarilla_H_6_Geo_KR_20260225093119.pdf

2896105_H_6_3003905619_NOIA_KR_02252026_20260225093113.pdf

General_Requirement_PxA_20260225093048.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: CONNIE BLAYLOCK

Signed on: FEB 16, 2026 12:46 PM

Name: SOUTHLAND ROYALTY COMPANY

Title: Regulatory Technician

Street Address: 400 W 7th St.

City: Forth Worth

State: TX

Phone: (817) 334-7882

Email address: CBLAYLOCK@MSPARTNERS.COM

Field

Representative Name: Amy Byars

Street Address:

City:

State:

Zip:

Phone:

Email address: abyars@txopartners.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: 02/25/2026

Signature: Kenneth Rennick



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

February 25, 2026

Notice of Intent – Plug and Abandonment

Operator: MorningStar Operating LLC
AFMSS Operator Southland Royalty Company

Lease: JIC111

Well(s): Jicarilla H 6, US Well # 30-039-05619

Sundry Notice ID #: 2896105

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

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. Plug 2 attempted injection/ bottom of cement needs to be modified to 2320' (or above plug 1) to account for the BLM's Ojo Alamo top of 2272'. Top of cement for plug 2 can be modified to 2172'. Alternatively depending on the results of the CBL, plug 1 and plug 2 can be combine to an inside plug with top of cement to 2172' (100' feet above BLM's Ojo Alamo top).
3. **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 2/25/2026

**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 2/25/2026

Well No. Jicarilla H 6
US Well No. 30-039-05619
Lease No. JIC111

Operator MorningStar Operating LLC Formation Blanco P.C. South
AFMSS Operator Southland Royalty Company

Geologic Formations	Est. tops	Remarks
Surface Casing	97	
Nacimiento	970	
Ojo Alamo	2272	
Kirtland	2418	
Fruitland Fm	2510	
Pictured Cliffs	2760	
Top Perforation	2776	
Bottom	2844	

Remarks:

Reference Well:

Available raster logs indicate different locations for Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo. Plug 2 attempted injection/ bottom of cement needs to be modified to 2320' (or above plug 1) to account for the BLM's Ojo Alamo top of 2272'. Top of cement for plug 2 can be modified to 2172'. Alternatively depending on the results of the CBL, plug 1 and plug 2 can be combine to an inside plug with top of cement to 2172' (100' feet above BLM's Ojo Alamo top).

Same

Prepared by: Kenneth Rennick

Proposed P&A Procedure_02.25.2026

Proposed P&A Procedure

Jicarilla H #6 API 3003905619

Notify Farmington BLM Office at least 24hrs in advance to plugging operations 505 564-7750

Notify NMOCD at least 24hrs in advance to plugging operations via email at

monica.kuehling@emnrd.nm.gov and loren.diede@emnrd.nm.gov

- All Cement Class G 15.8 ppg 1.15 cuft/sk yield
- Tbg, Csg, and Bradenhead pressure to be recorded and reported on each daily report to include the initial move in pressures
- CaCl₂ will be used for plugs requiring WOC
- Follow casing pressure testing as required by NMOCD
- WOC time is required for ANY plug that has been placed above a CIBP/CR or above any perforations, regardless if the casing has passed a pressure test or not
- WOC time is NOT required if the casing passed a pressure test AND that the plug is not above a CIBP/CR or perforations.

Proposed P&A Procedure_02.25.2026

Proposed Procedure

1. Make necessary advance 24 hr notifications as required.
2. Confirm WH BOP connection and existing tubing size before MIRU.
3. MIRU P&A services and 2 3/8" workstring.
4. Pull existing tbg OOH laying down.
5. MIRU wireline. Run gauge ring to ~2750'.
6. Set CICR/CIBP ~2726'.
7. Load/top off hole with FW in preparation for CBL.
 - a. Keep hole loaded as necessary to ensure CBL run to surface.
8. Run CBL from CIBP/CICR to surface. Send CBL for review to krennick@blm.gov, vlucero@blm.gov, monica.kuehling@emnrd.nm.gov, loren.diede@emnrd.nm.gov, rberry@txopartners.com.
 - a. Revise plugging plan if required.
9. PU and tally workstring while TIH.
10. Plug 1 (PC perfs/FC/Kirtland/Ojo Alamo)
 - a. Balance plug **65sx** cement plug from 2726-2172'.
 - b. Note plug 1 may need to be split into 2 plugs after CBL.
11. Plug 2 (Nacimiento)
 - a. Perforate 1020'.
 - b. Attempt to establish Injection...
 - i. If established, pump outside plug **46sx** and inside plug **18sx**.
 - ii. if none, drop down spot plug from 1070' inside casing estimated **24sx** cmt.
 - iii. Plug 1020-870'
12. Plug 3 (surface shoe circulation attempt)
 - a. Perforate 157'.
 - b. Attempt to establish circulation...
 - i. If established, pump outside plug **34sx** and inside plug **19sx**.
 - ii. if none, drop down to 207' and pump balance plug to surface **25sx**.
 - c. Ensure cement at surface on all strings of casing, top off as needed.
13. Cut off wellhead below surface casing flange.
14. Install P&A Marker.

Estimated 114 sx to 182 sx cement needed in total.

Proposed P&A Procedure_02.25.2026

Please make sure all excess volumes are as follows:

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.

4.4 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.

MorningStar Operating, LLC

Prepared by: BBerry
Date: 02.13.2026
Updated Geo Tops: 02.25.2026

GL = 6718 ft
API# 30-039-05619

Spud Date: 07.08.1957

Jicarilla H #6
S05 T24N R04W
Rio Arriba County, NM

Current WBD

TD - 2912' MD

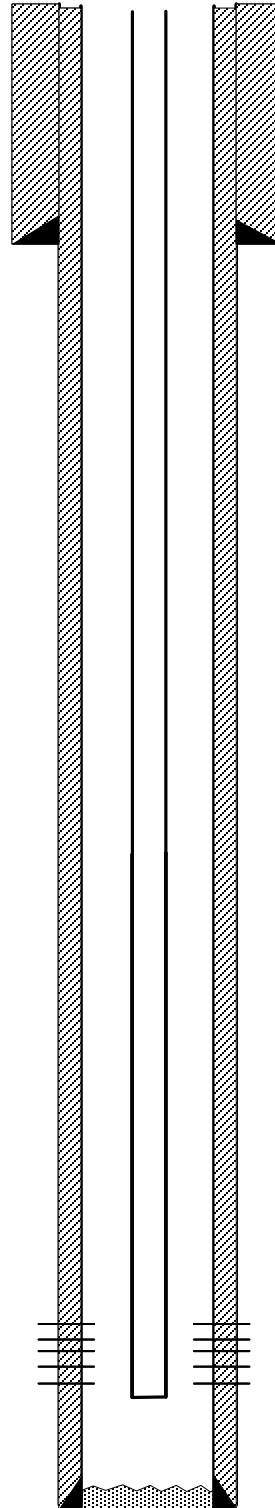
10.5" hole to 107' KB
Surface Csg: 8-5/8" 24# J-55
Setting Depth: 107' KB

Cement
70 sx - Circulated to surf

7.875" hole to 2912'
Prod Csg: 5-1/2" 15.5# J55
Setting Depth: 2911'

Cement
100 sx

TOC from Temp Survey ~2510' 07.19.1957



Surf Shoe: 107'
*Nacimiento: 970'
*Ojo Alamo: 2272'
*Kirtland: 2418'
*Fruitland: 2510'
*Pictured Cliffs: 2760'
*BLM COA Geo Tops

07/1957 - Tubing
1.25" Tbg (Est OD 1.66")
EOT 2839'

PC Frac:
25,000 gal water 30,000# sand

PC Perfs:
2776-2844' overall

PBD: 2875' MD

MorningStar Operating, LLC

Jicarilla H #6
S05 T24N R04W
Rio Arriba County, NM

TD - 2912' MD

10.5" hole to 107' KB
Surface Csg: 8-5/8" 24# J-55
Setting Depth: 107' KB

Cement
70 sx - Circulated to surf

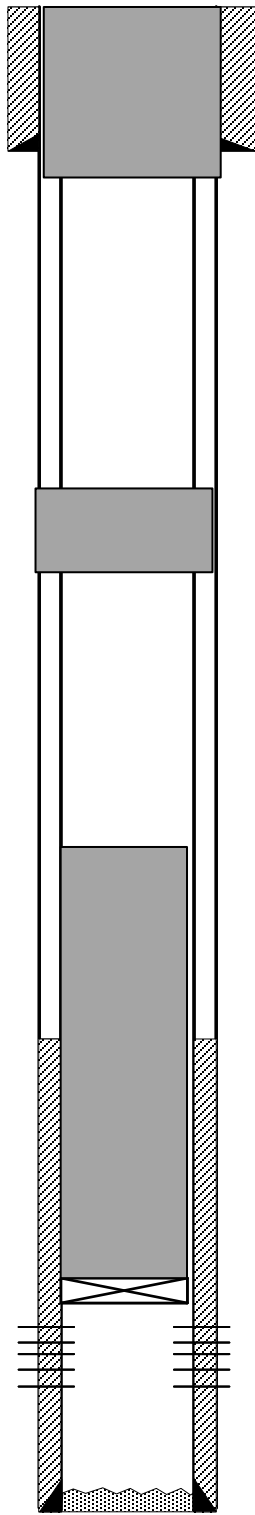
7.875" hole to 2912'
Prod Csg: 5-1/2" 15.5# J55
Setting Depth: 2911'

Cement
100 sx

TOC Est from Temp Survey ~2510' 07.19.1957

PC Perfs:
2776-2844' overall

Proposed P&A WBD



PBTD: 2875' MD

Plug 3 (Surf Csg Shoe)
Perf 157' attempt to establish circ - if circ established, pump 34 sx cmt outside plug plus 19 sx cmt inside plug - if no circ drop down to 207' and pump balance plug 25sx cmt (157-0')

Plug 2 (Nacimiento)
Perf 1020' attempt to establish injection - if inj established, pump 46sx cmt outside plug plus 18 sx cmt inside plug - if no inj drop down to 1070' and pump balance plug 24sx cmt (1020-870')

Potential to split plug 1 into 2 based on CBL results

Plug 1 (PC perfs/FC/Kirtland/Ojo Alamo)
Set CICR/CIBP ~2726'
Balance Plug 65sx cmt
WOC Tag Plug - (2726-2172')

Prepared by: BBerry
Date: 02.16.2026
Updated with BLM COAs: 02.25.2026

GL = 6718 ft
API# 30-039-05619

Spud Date: 07.08.1957

Surf Shoe: 107'
*Nacimiento: 970'
*Ojo Alamo: 2272'
*Kirtland: 2418'
*Fruitland: 2510'
*Pictured Cliffs: 2760'
*BLM COA Geo Tops

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 557874

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 557874
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	Notify the OCD inspection supervisor via email 24 hours prior to beginning Plug & Abandon (P&A) operations.	2/26/2026
loren.diede	Submit photo and GPS coordinates of the P&A marker with the C-103P subsequent P&A report. The API# on the marker must be clearly legible.	2/26/2026
loren.diede	NMOCD concurs with the BLM COAs for this well.	2/26/2026