

Well Name: JICARILLA 110	Well Location: T26N / R5W / SEC 19 / SWSW / 36.467712 / -107.4062279	County or Parish/State: RIO ARRIBA / NM
Well Number: 8	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC110	Unit or CA Name:	Unit or CA Number:
US Well Number: 300390637300S1	Operator: MORNINGSTAR OPERATING LLC	

Notice of Intent

Sundry ID: 2862818

Type of Submission: Notice of Intent

Date Sundry Submitted: 07/11/2025

Date proposed operation will begin: 10/01/2025

Type of Action: Plug and Abandonment

Time Sundry Submitted: 09:46

Procedure Description: MorningStar Operating requests approval of the attached procedure to P&A the Jicarilla 110 #8. Also attached are WBDs.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Jicarilla_110__8_Proposed_PA_WBD_07.10.2025_20250711094528.pdf
- Jicarilla_110__8_Current_WBD_07.08.2025_20250711094500.pdf
- Jicarilla_110__8_Proposed_PA_Procedure_07.10.25_20250711094443.pdf

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Conditions of Approval

Additional

General_Requirement_PxA_20250808133915.pdf
2862818_110_8_3003906373_NOI_ABD_KR_08082025_20250808133902.pdf
Jicarilla_110_No_8_Geo_Rpt_20250808104629.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: JUL 11, 2025 09:45 AM
Name: MORNINGSTAR OPERATING LLC	
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: 08/08/2025
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.



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

August 8, 2025

Notice of Intent – Plug and Abandonment

Operator: Morningstar Operating LLC
Lease: JIC110
Well(s): Jicarilla 110 8, US Well # 30-039-06373
Location: Sec 19 T26N R05W (Rio Arriba County, NM)
Sundry Notice ID #: 2862818

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 modification to your plugging program is to be made:
 - a. Modify Plug 1: Move the TOC to 2268' to cover the BLM geologist's pick for the Ojo Alamo at 2368'.
 - b. Modify Plug 2 to cover the BLM geologist's pick for the Nacimiento at 1872'. Perforate the casing and make the BOC at 1922'. Make the TOC 1772'.
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.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 8/8/2025

BLM - FFO - Geologic Report**Date Completed**

8/8/2025

Well No. Jicarilla 110 No 8
Lease No. Jic 110

Surf. Loc. 990
Sec

FSL 990
19 T26N
FWL R5W

US Well No. 3003906373

Operator Morningstar Operating LLC

County Rio Arriba

State

New Mexico

TVD 3194

PBTD

3194

Formation Pictured Cliffs

Elevation GL

6729

Elevation Est. KB 6739

Geologic Formations**Est. tops Subsea Elev.****Remarks**

San Jose Fm.

Surface

Surface Casing

138

6591

Fresh water aquifer

Nacimiento Fm.

1872

4753

Surface /fresh water sands

Ojo Alamo Ss

2368

4257

Fresh water aquifer

Kirtland Fm.

2573

4052

Fruitland Fm.

2805

3820

Coal/gas/possible water

Pictured Cliffs

3020

3605

Possible gas/water

Remarks:**Reference Well:**

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

-The 1/4 1/4 on page 3 of the 3160-5 is missing the footages.

-Modify Plug 1. Move the TOC to 2268' to cover the BLM Geologist's pick for the Ojo Alamo.

-Modify Plug 2 to cover the BLM geologist's pick for the Nacimiento. Perforate the casing and make the BOC at 1922'. Make the TOC 1772'.

Tenneco Oil Co.

Jicarilla A No. 4

1850' FSL, 1850' FWL, 19K-26N-5W

GL = 6615, KB= 6625'

US Well No: 3003908062

Prepared by: Walter Gage

08.12.2024 Rev w/BLM COAs

Proposed P&A Procedure

Jicarilla 110 #8

Notify appropriate Regulatory agencies in advance of plugging operations as required

All Cement Class G 15.8ppg 1.15 cuft/sk yield.

Review COAs to ensure compliance with regulatory requirements.

1. MIRU P&A Services.
2. Pull tbg OOH and determine if good to use as work string. If not, LD and move in 2 3/8" 4.7# J-55 work string.
3. Run bit and scraper or wireline gauge ring to ~3080'.
4. Set CICR @ ~3080'.
5. Circulate hole with regulatory approved P&A fluid.
6. Run CBL from plug to surface. Send CBL to appropriate regulatory agencies and MSO Engineering.
 - a. Revise plugging plan as required per regulatory direction after review of CBL. Notify all of any approved adjustments to plugging plan via email/phone conversation.
7. Plug 1 (PC OH/FC/Kirtland/Ojo Alamo)
 - a. Pump/Sqz **9sx** cmt below retainer (3150-3080').
 - b. Balance plug **95sx** cement.
 - c. Plug from 3080-2268'
8. Plug 2 (Nacimiento)
 - a. Perforate 1922'.
 - b. Attempt to establish circulation...
 - i. if none, spot plug to 1772' in 5 1/2" casing estimated **18sx** needed.
 - ii. If established, estimated **64sx** required to fill 5 1/2" annulus (including 100% excess in pipe/formation section) and inside 5 1/2" casing to 1772'.
 - iii. Plug 1922'-1772'
9. Plug 3 (surface shoe circulation attempt)

Proposed P&A Procedure

08.12.2024 Rev w/BLM COAs

- a. Perforate 188'.
 - b. Attempt to establish circulation...
 - i. if none, spot plug to surface in 5 ½" casing estimated **22sx** needed.
 - ii. If established, estimated **70sx** required to fill 5 ½" annulus (including 100% excess in pipe/formation section) and inside 5 ½" casing to surface.
 - c. Ensure cement at surface on all strings of casing, top off as needed.
10. Cut off wellhead below surface casing flange.
11. Install P&A Marker.

Estimated 144 sx to 238 sx cement needed in total.

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.

Proposed P&A Procedure

MorningStar Operating, LLC

Jicarilla 110-8
Rio Arriba County, NM
S19 T26N R05W

TD – 3194' MD

12.25" hole
Surface Csg: 9-5/8" 40#
Setting Depth: 138'

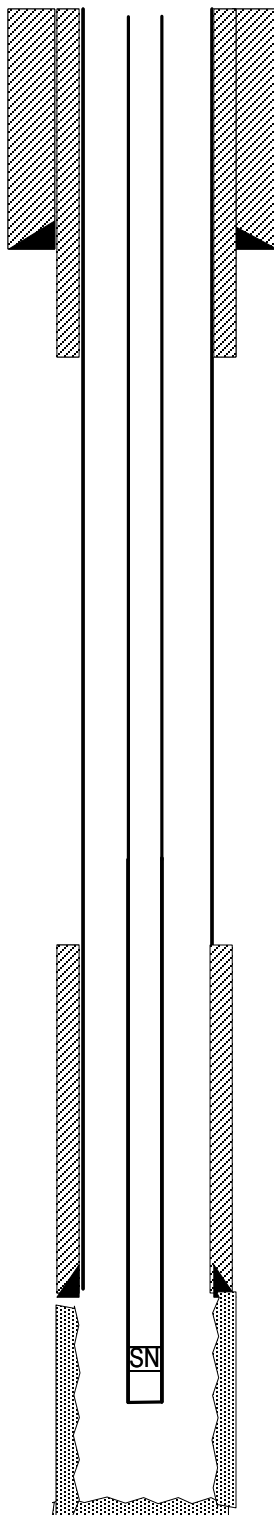
Cement
85 sx – Circulated cement to surf

7 7/8" hole assumed
Prod Csg: 5-1/2" 15.5# 8rd
Setting Depth: 3104'

Cement
100 sx – TOC est 2593'

OH 3104-3194'

Current WBD



Prepared by: BBerry
Date: 07/08/2025
Updated with BLM GeoPicks:
08.12.2025

GL = 6729 ft
API# 30-039-06373

Spud Date: 08/19/1953
Date Completed: 09/04/1953

San Jose: Surface
Nacimiento: 1872'
Ojo Alamo: 2368'
Kirtland: 2573'
Fruitland: 2805'
Pictured Cliffs: 3020'
*Tops from BLM GeoPicks

Csg Repair 05/30/1996: Leak 191-286'

-Pump 29 sx cmt 317' and squeeze, WOC drill out, PT fail
-Perf 2 sqz holes 200' establish circ, pump 75 sx cmt, 1 bbl cmt to surf, squeeze down WOC, drill out, PT csg fail
-isolate casing leak 190-200' – establish injection, pump 140 sx cmt squeeze down, no cmt to surf – WOC, drill out PT fail
-casing test good

1/8/2007 - Tubing

2 3/8" 4.7# J-55
1JT, SN, 99JTS
EOT @ 3153', AND SN @ 3119'

PC Stimulation:
3111-3194' - 4" Tin SNG explosive

MorningStar Operating, LLC

Jicarilla 110-8
Rio Arriba County, NM
S19 T26N R05W

TD – 3194' MD

12.25" hole
Surface Csg: 9-5/8" 40#
Setting Depth: 138'

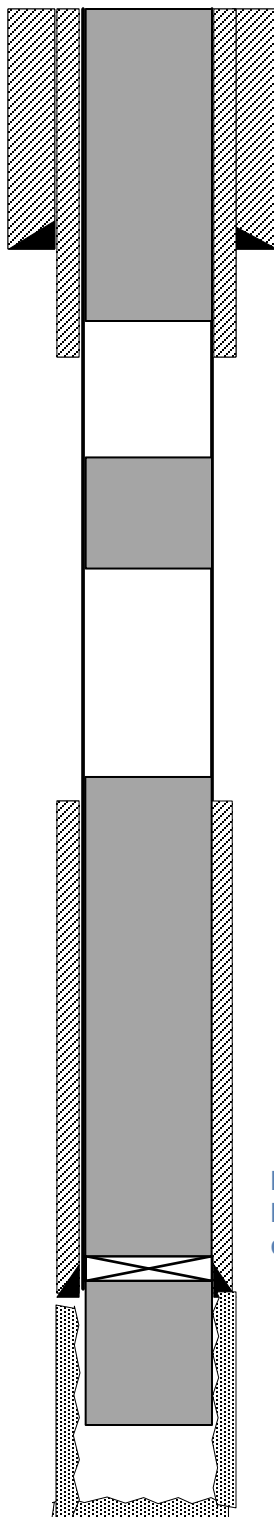
Cement
85 sx – Circulated cement to surf

7 7/8" hole assumed
Prod Csg: 5-1/2" 15.5# 8rd
Setting Depth: 3104'

Cement
100 sx – TOC est 2593'

OH 3104-3194'

Proposed P&A WBD



Plug 3 (Surf Shoe) – Perf 188' – attempt to circulate – if circ achieved pump 38 sx cmt for pipe/hole section and 22 sx cmt to surface - if no circ, spot Plug 22 sx cmt 188' to surface

Plug 2 (Nacimiento) Perf 1922' – attempt to circulate – if circ achieved pump 46 sx cmt for pipe/hole section and 18 sx cmt to 1772' - if no circ, spot Plug 18 sx cmt 1922-1772'

Plug 1 (PC perms/FC/Kirtland/Ojo Alamo) –Set CICR ~3080' Pump below retainer 9sx (3150-3080') Balance plug 95 sx cmt on top (3080-2268')

Prepared by: BBerry
Date: 07/08/2025
Updated with BLM GeoPicks:
08.12.2025

GL = 6729 ft
API# 30-039-06373

Spud Date: 08/19/1953
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San Jose: Surface
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*Tops from BLM GeoPicks

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 495222

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 495222
	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.	8/14/2025
loren.diede	Accepted for Record.	8/14/2025