

Well Name: JICARILLA F	Well Location: T26N / R5W / SEC 16 / SWNE / 36.4897293 / -107.3604156	County or Parish/State: RIO ARRIBA / NM
Well Number: 14	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC109	Unit or CA Name:	Unit or CA Number:
US Well Number: 300390650100S1	Operator: MORNINGSTAR OPERATING LLC	

Notice of Intent

Sundry ID: 2863945

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 07/17/2025	Time Sundry Submitted: 02:14
Date proposed operation will begin: 10/01/2025	

Procedure Description: MorningStar Operating requests approval for the attached P&A Procedure. WBDs also attached. (A NOI to TA was previously approved but the decision has been made to P&A).

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Jicarilla_F__14_Current_WBD_07.16.2025_20250717141405.pdf
- Jicarilla_F__14_Proposed_PA_WBD_07.16.2025_20250717141347.pdf
- Jicarilla_F_14_Proposed_PA_procedure_07.16.2025_20250717141330.pdf

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Conditions of Approval

Additional

2863945_F_14_3003906501_NOI_ABD_KR_08072025_20250807132209.pdf
General_Requirement_PxA_20250807132157.pdf
Jicarilla_F_No_14_Geo_Rpt_20250807121229.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 17, 2025 02:14 PM
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: 08/07/2025
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 7, 2025

Notice of Intent – Plug and Abandonment

Operator: Morningstar Operating LLC
Lease: JIC109
Well(s): Jicarilla F 14, US Well # 30-039-06501
Location: SWNE Sec 16 T26N R05W (Rio Arriba County, NM)
Sundry Notice ID #: 2863945

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 2325' to cover the BLM geologist's pick for the Ojo Alamo at 2425'.
 - b. Modify Plug 2 to cover the BLM geologist's pick for the Nacimiento at 1800'. Perforate the casing and make the BOC at 1850'. Make the TOC 1700'.
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 8/7/2025

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

8/7/2025

Well No. Jicarilla F No 14
Lease No. Jic 109

Surf. Loc. 1650 FNL 1650 FEL
Sec 16 T26N R5W

US Well No. 3003906501

Operator Morningstar Operating LLC

County Rio Arriba

State

New Mexico

TVD 3260

PBTD

3251

Formation Pictured Cliffs

Elevation GL

6604

Elevation Est. KB 6614

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

San Jose Fm.

Surface

Surface Casing

107

6507

Fresh water aquifer

Nacimiento Fm.

1800

4814

Surface /fresh water sands

Ojo Alamo Ss

2425

4189

Fresh water aquifer

Kirtland Fm.

2705

3909

Fruitland Fm.

2805

3809

Coal/gas/possible water

Pictured Cliffs

3124

3490

Possible gas/water

Remarks:Reference Well:

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

-Modify Plug 1. Move the TOC to 2325' 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 1850'. Make the TOC 1700'.

Morningstar Operations LLC

Same

Prepared by: Walter Gage

08.12.2024 – Rev w/COAs

Proposed P&A Procedure

Jicarilla F #14

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 and slimhole workstring and handling tools.
2. PU and talley workstring along with bit and scraper. Carefully rotate and clean tight spot ~2400' and continue in hole to ~3130'. POOH LD bit and scraper.
3. Set CIBP @ ~3100'.
4. Circulate hole with regulatory approved P&A fluid. POOH.
5. 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.
6. Plug 1 (PC Perfs/FC/Kirtland/Ojo Alamo)
 - a. Spot **22sx** cmt on top of plug.
 - b. Plug from 3100-2325'
7. Plug 2 (Nacimiento)
 - a. Confirm need to perforate from CBL, if no cement above 1850', Perforate 1850'.
 - b. Attempt to establish circulation...
 - i. if none, spot plug to 1850' in 5 ½" casing estimated **5sx** needed.
 - ii. If established, estimated **26sx** required to fill 5 ½" annulus (including 100% excess in pipe/formation section) and inside 5 ½" casing to 1700'.
 - iii. Plug 1850'-1700'
8. Plug 3 (surface shoe circulation attempt)
 - a. Perforate 157'.
 - b. Attempt to establish circulation...

Proposed P&A Procedure

08.12.2024 – Rev w/COAs

- i. if none, spot plug to surface in 5 ½” casing estimated **5sx** needed.
 - ii. If established, estimated **42sx** 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.
- 9. Cut off wellhead below surface casing flange.
- 10. Install P&A Marker.

Estimated 32 sx to 90 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 F-14 Rio Arriba County, NM S16 T26N R05W

TD – 3,260'

Surface hole to 107'

Surface Csg: 8-5/8" 24# csg

Setting Depth: 107'

100sx cement

Circulated cement to surface

4.75" Prod hole to 3260'

Prod Csg: 106 jts 2 7/8" 6.4# J-55

Setting Depth: 3251 ft

Cement:

80 sx 1:1 Diamix, 2% gel, 1/4 cuft
strata-crete "6"/sk

TOC TBD

Perfs

Pictured Cliffs:

3,128'-3,184'

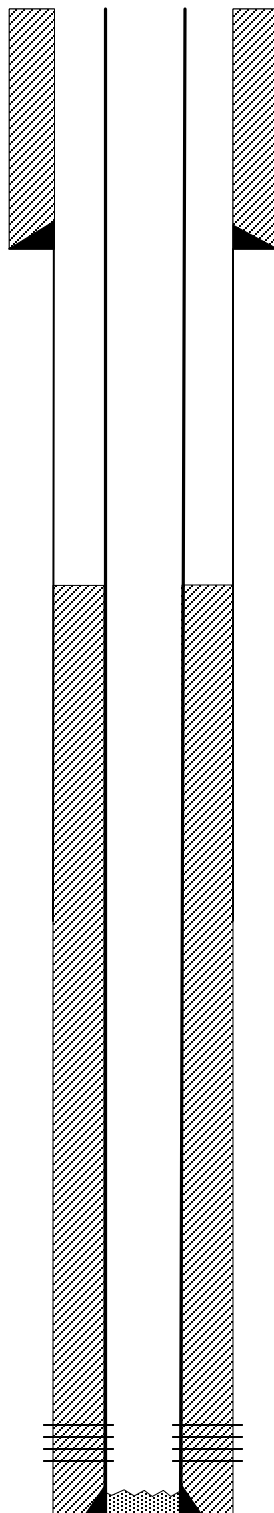
Prepared by: Bberry
Date: 08/12/2025

GL = 6,604'
API# 30-039-06501

Spud Date: 04/20/1960
Completion: 05/22/1961

Formation Tops:
*Nacimiento: 1800'
*Ojo Alamo: 2425'
*Kirtland: 2705'
*Fruitland: 2805'
*PC: 3124'

*Tops from BLM GeoPicks



Tubingless Completion

07/15/2025 - Tight Spot with
wireline 2400' WLM – 1.901"
GR would pass, anything
bigger would not

PC Frac:
05/22/1961 – water frac
32,274 gal water (7# J-2/
1000 gal) and 28,000# sand

PC perfs:
3,128-3,184'

MorningStar Operating, LLC

Jicarilla F-14
Rio Arriba County, NM
S16 T26N R05W

TD – 3,260'

Surface hole to 107'
Surface Csg: 8-5/8" 24# csg
Setting Depth: 107'

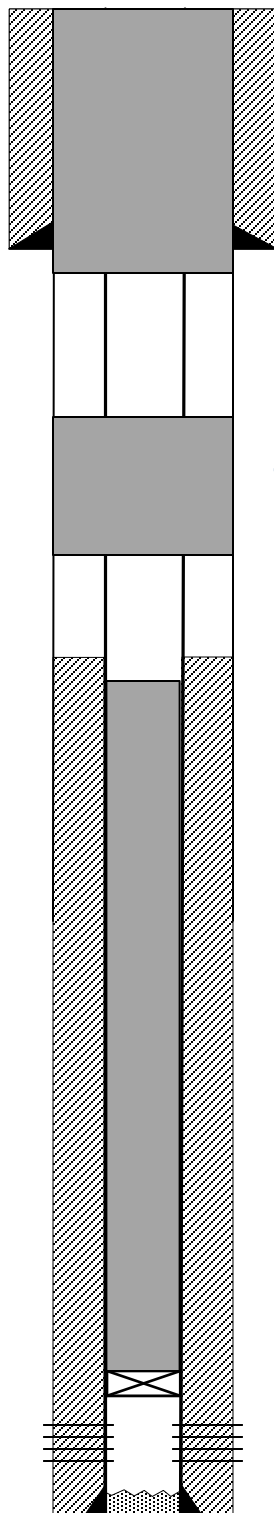
100sx cement
Circulated cement to surface

4.75" Prod hole to 3260'
Prod Csg: 106 jts 2 7/8" 6.4# J-55
Setting Depth: 3251 ft

Cement:
80 sx 1:1 Diamix, 2% gel, 1/4 cuft
strata-crete "6"/sk
TOC TBD

Perfs
Pictured Cliffs:
3,128'-3,184'

Proposed P&A



Plug 3 (Surf Shoe) – Perf
157' – attempt to
circulate – if circ
achieved pump 37 sx cmt
for pipe/hole section and
5 sx cmt to surface - if no
circ, spot Plug 5 sx cmt
157' to surface

Plug 2 (Nacimiento) After CBL, confirm need
to perforate – if no cement above 1850', Perf
1850' – attempt to circulate – if circ achieved
pump 21 sx cmt for pipe/hole section and 5 sx
cmt inside casing to 1700' - if no circ, spot
Plug 5 sx cmt 1850-1700'

Plug 1 (PC perfs/FC/Kirtland/Ojo Alamo) –Set CIBP ~3100'
Spot 22 sx cmt on top (3100-2325')

PC perfs:
3,128-3,184'

Prepared by: Bberry
Date: 07/16/2025
Updated with COAs/BLM Geo Picks:
08.12.2025

GL = 6,604'
API# 30-039-06501

Spud Date: 04/20/1960
Completion: 05/22/1961

Formation Tops:
*Nacimiento: 1800'
*Ojo Alamo: 2425'
*Kirtland: 2705'
*Fruitland: 2805'
*PC: 3124'

*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 495242

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 495242
	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