

Well Name: JICARILLA P	Well Location: T24N / R5W / SEC 34 / NWNE / 36.273546 / -107.346038	County or Parish/State: RIO ARRIBA / NM
Well Number: 5	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC13A	Unit or CA Name:	Unit or CA Number:
US Well Number: 300390526100S1	Operator: MORNINGSTAR OPERATING LLC	

Notice of Intent

Sundry ID: 2810981

Type of Submission: Notice of Intent

Date Sundry Submitted: 09/09/2024

Date proposed operation will begin: 12/16/2024

Type of Action: Plug and Abandonment

Time Sundry Submitted: 12:25

Procedure Description: MorningStar Operating requests approval of the attached Proposed Procedure and WBDs for the P&A of the Jicarilla P #5.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Jicarilla_P5_WBD_Current_and_Proposed_P_A_08.29.2024_20240909122431.pdf
- Jicarilla_P__5_Proposed_PA_Procedure_20240909122419.pdf

Received by OCD: 9/18/2024 10:38:48 AM

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Operator: MORNINGSTAR OPERATING LLC

Conditions of Approval

Additional

Jicarilla_P_5_GeoReport_20240913112227.pdf

Authorized

2810981_NOIA_P_5_3003905261_KR_09132024_20240913143050.pdf

General_Requirement_PxA_20240913143036.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: SEP 09, 2024 12:24 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@mspartners.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: 09/13/2024

Signature: Kenneth Rennick

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402**

AFMSS 2 Sundry ID 2810981

Attachment to notice of Intention to Abandon

Well: Jicarilla P 5

CONDITIONS OF APPROVAL

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. Modify Plug 1 top of cement to 1901' to account for the BLM geologist's pick for the Fruitland top at 2001'.
 - b. Modify Plug 2 top of cement to 1660' to account for the required 100' above BLM geologist's pick for the Ojo Alamo top at 1760'.
 - c. Modify Plug 3 top of cement to 901' to account for the BLM geologist's pick for the Nacimiento top at 1001'.
3. 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 09/13/2024

BLM - FFO - Geologic Report

Well No. **Jicarilla P #5**

API **30-039-05261**

Operator **MorningStar**

Elevation **6643**

Lease #

Surf. Loc. **790**

T. 24 N

County **Rio Arriba**

R. 05 W

Section **34**

State **NM**

Date Completed: Sept. 13 2024

FNL 1850 FEL

Geologic Formations	Tops	Remarks
Nacimiento	1001	Gas
Ojo Alamo	1760	F/W Sands
Kirtland	1858	
Fruitland	2001	Coal, Gas
Pic Cliffs	2240	Gas

Remarks: Please adjust plugs 1-3 to cover BLM-picked formation tops.

Completed by Alek Knapowski

**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.

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Wednesday, September 18, 2024 9:28 AM
To: Robert W. Berry (c) <RBerry@txopartners.com>
Cc: Connie Blaylock <cblaylock@txopartners.com>
Subject: EXTERNAL:Re: [EXTERNAL] FW: Approved NOI to P&A Jicarilla P 5

Hello Bob,

Combining the plug 1 and 2 above the retainer will be appropriate.

Let me know if you need additional clarifications.

Kenny Rennick

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
Farmington Field Office
6251 College Blvd
Farmington, NM 87402

Email: krennick@blm.gov
Mobile & Text: 505.497.0019

From: Robert W. Berry (c) <RBerry@txopartners.com>
Sent: Wednesday, September 18, 2024 7:24 AM
To: Rennick, Kenneth G <krennick@blm.gov>
Cc: Connie Blaylock <cblaylock@txopartners.com>
Subject: [EXTERNAL] FW: Approved NOI to P&A Jicarilla P 5

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good morning, Kenny.

The COAs require adjustments to plug 1 and plug 2, which ultimately make both plugs combine. I just wanted to confirm that it is okay to combine plug 1 and plug 2 above the retainer, with no change to the plan below the retainer.

Plug 1 – above retainer 2215-1660'
Please advise.

Thank you,
Bob Berry

Bob Berry
SJB/PB Consulting Engineer
TXO Partners, L.P. / Morningstar Operating LLC / Cross Timbers Energy, LLC
Cell 817-946-8699
rberry@txopartners.com

Proposed P&A Procedure

Jicarilla P #5 - 3003905261

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

All cement Class G 15.8ppg 1.15 cuft/sack yield.

1. MIRU P&A services and ancillary equipment.
2. POOH LD 1.25" tubing. MI, tally and PU 2 3/8" workstring.
3. RIH bit and scraper on workstring to 2250' to ensure clearance for CIBP. POOH LD bit.
4. RIH Set CICR @ 2210'.
5. Circulate/load hole with BLM/NMOCD approved P&A fluid.
6. Run CBL from ~2200' to surface. Send CBL to BLM/NMOCD and MSO Engineering/Mgmt.
 - a. Revise remaining plugging plan with BLM/NMOCD approval if needed.
7. Plug 1 (PC Production/Fruitland/Kirtland/Ojo Alamo) – plugs combined as per BLM approval
 - a. TIH workstring and stinger for retainer. Sting into retainer and pump **14 sx** cmt below retainer for OH section and casing section. Sting out and spot **65sx** cement on top of CICR.
 - b. Plug to cover PC/Fruitland/Kirtland/Ojo Alamo 2299'-1660'
8. Plug 2 (Nacimiento)
 - a. Perforate 1143'.
 - b. Attempt to establish circulation...
 - i. if none, spot plug in 5.5" estimated **29sx** needed.
 - ii. If established, estimated **60sx** required to fill annulus (including 100% excess in pipe/formation section) and inside 5.5" with excess as required.
 - iii. Annulus 1143'-1043' and 100% excess
 - iv. Inside pipe 1143'-901'
9. Plug 3 (surface shoe circulation attempt)
 - a. Perforate 150'.
 - b. Attempt to establish circulation...
 - i. if none, spot plug to surface in 5.5" estimated **18sx** needed.
 - ii. If established, estimated **72sx** required to fill annulus (including 100% excess in pipe/formation section) and inside 5.5" with excess as required.

- 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 126 sx to 211 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.

MorningStar Operating, LLC

Current WBD

Jicarilla P #5
T24N R05W S34 Rio Arriba
County, NM

TD – 2,299'

Surface Csg:
12.25" hole
9-5/8" Csg
Setting Depth: 100'
100sx Cmt circulated

Production Csg: 5-1/2"
Setting Depth: 2,265'

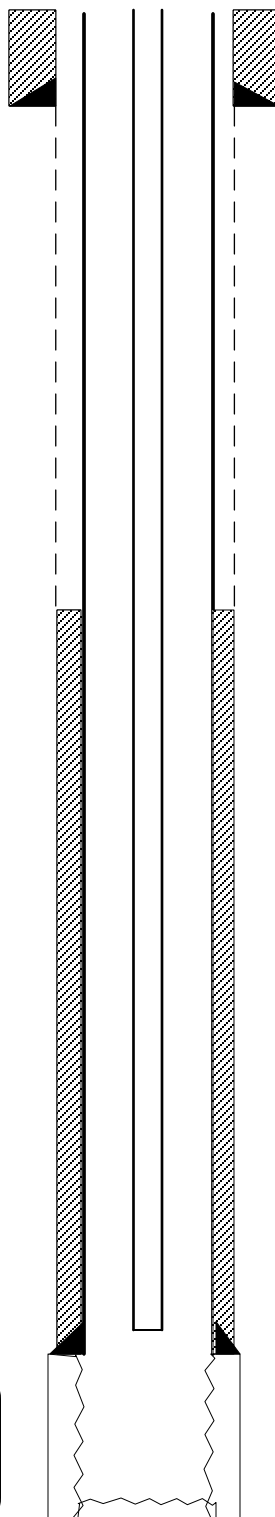
Open Hole in PC
2265-2299'

Cement:
100 sx cement
TOC unknown

Prepared by: B Berry
Date: 08/27/2024
Updated with BLM COAs/Tops:
09/18/2024

KB = 6,647'
GL = 6,632'
API# 30-039-05261
Spud Date: 04/04/1955

San Jose (Est): Surf
Nacimiento (BLM): 1,001'
Ojo Alamo (BLM): 1,760'
Kirtland (BLM): 1,858'
Fruitland (BLM): 2,001'
Picture Cliffs (BLM): 2,240'



6/21/1973
Tbg - 1-1/4" 2.3ppf WP55 NU IJ tbg – 69 jts
EOT 2280.92'

Picture Cliffs OH (1955):
2,265' - 2299'
Orig Stimulation:
Sandoil Frac with 13 kgals of
oil and 8 klbs sand

MorningStar Operating, LLC

Proposed P&A WBD

Prepared by: B Berry
Date: 08/27/2024
Updated with BLM COAs/Tops:
09/18/2024

KB = 6,647'
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Picture Cliffs (BLM): 2,240'

Jicarilla P #5
T24N R05W S34 Rio Arriba
County, NM

All P&A Cement Class G
15.8ppg 1.15 cuft/sack yield

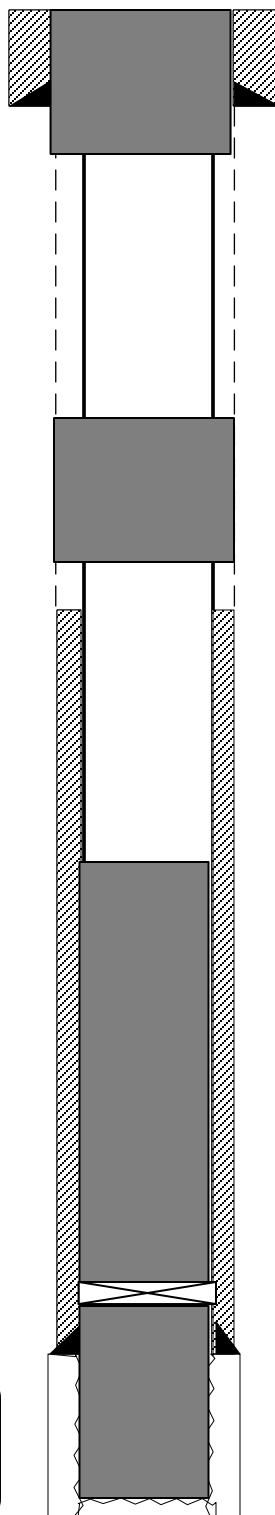
TD – 2,299'

Surface Csg:
12.25" hole
9-5/8" Csg
Setting Depth: 100'
100sx Cmt circulated

Production Csg: 5-1/2"
Setting Depth: 2,265'

Open Hole in PC
2265-2299'

Cement:
100 sx cement
TOC unknown



Plug 3 (Surf Csg Shoe)
Perf 150' attempt to circ – if
circ established, pump total
72 sx cmt, 54 sx cmt annulus
to surface, 18 sx cmt inside
csg to surf; if no circ, pump
18 sx cmt to surf – top off as
necessary

Plug 2 (Nacimiento)
Perf 1143' attempt to circ – if circ established,
pump 31 sx cmt behind pipe (1143'-1043' plus
100% excess), 29 sx cmt inside casing (1143'-
901' inside); if no circ pump 29 sx cmt for plug
1143'-901' inside casing

Plug 1 (PC OH/FC/Kirtland/Ojo) – CICR
Set @ ~2215' – pump 8 sx cmt below
retainer for OH, 6 sx to fill casing below
CICR, 65 sx cmt on top CICR.
Plug 2299'-1660'

Picture Cliffs OH (1955):
2,265' - 2299'
Orig Stimulation:
Sandoil Frac with 13 kgals of
oil and 8 klbs sand

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 384602

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 384602
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	approved for record only	9/18/2024