

Well Name: JICARILLA P	Well Location: T24N / R5W / SEC 27 / SWSE / 36.277898 / -107.346041	County or Parish/State: RIO ARRIBA / NM
Well Number: 6	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: 300390528000S1	Operator: MORNINGSTAR OPERATING LLC	

Notice of Intent

Sundry ID: 2810980

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: 12:21

Procedure Description: MorningStar Operating requests approval of the attached Proposed Procedure and WBDs to plug and abandon the Jicarilla P #6.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Jicarilla_P6_WBD_Current_and_Proposed_P_A_08.30.2024_20240909122034.pdf
- Jicarilla_P__6_Proposed_PA_Procedure_20240909122017.pdf

Received by OCD: 9/20/2024 8:22:20 AM

Well Name: JICARILLA P

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Unit or CA Name:

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US Well Number: 300390528000S1

Operator: MORNINGSTAR OPERATING LLC

Conditions of Approval

Additional

Jicarilla_P_6_GeoReport_20240913112344.pdf

Authorized

General_Requirement_PxA_20240913144223.pdf

2810980_NOIA_P_6_3003905280_KR_09132024_20240913144213.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 12:20 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 2810980

Attachment to notice of Intention to Abandon

Well: Jicarilla P 6

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 1921' to account for the BLM geologist's pick for the Fruitland top at 2021'.
 - b. Modify Plug 2 top of cement to 1681' to account for the required 100' above BLM geologist's pick for the Ojo Alamo top at 1781'.
 - c. Modify Plug 3 top of cement to 923' to account for the BLM geologist's pick for the Nacimiento top at 1023'.
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

Date Completed: Sept. 13 2024

Well No. Jicarilla P #6

API 30-039-05280

Operator MorningStar

Elevation 6664

Lease #

Surf. Loc. 790

T. 24 N

County Rio Arriba

FNL 1850 FEL

R. 05 W

Section 27

State NM

Geologic Formations	Tops	Remarks
Nacimiento	1023	Gas
Ojo Alamo	1781	F/W Sands
Kirtland	1879	
Fruitland	2021	Coal, Gas
Pic Cliffs	2261	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: Thursday, September 19, 2024 8:40 AM
To: Robert W. Berry (c) <RBerry@txopartners.com>
Cc: Connie Blaylock <cblaylock@txopartners.com>
Subject: EXTERNAL:Re: [EXTERNAL] FW: Jicarilla P 6 Approved NOI P&A

Good Morning Bob,

Combing plug 1 and 2 is indeed appropriate. Thank you for Nacimiento adjustment.

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: Thursday, September 19, 2024 6:52 AM
To: Rennick, Kenneth G <krennick@blm.gov>
Cc: Connie Blaylock <cblaylock@txopartners.com>
Subject: [EXTERNAL] FW: Jicarilla P 6 Approved NOI P&A

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 overlap. 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 2233-1681'

Just for reference, plug 2 will be revised to accommodate the Nacimiento top pick: plug is revised to be inside/outside plug from 1073'-923'.

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

MorningStar Operating, LLC

Current WBD

Prepared by: B Berry

Date: 08/30/2024

GL = 6,651'

API# 30-039-05280

Spud Date: 05/20/1955

Completion: 06/05/1955

San Jose (Est): Surf

Nacimiento (BLM): 1,023'

Ojo Alamo (BLM): 1,781'

Kirtland (BLM): 1,879'

Fruitland (BLM): 2,021'

Picture Cliffs (BLM): 2,261'

Jicarilla P #6

T24N R05W S27 Unit O

Rio Arriba County, NM

TD – 2,330'

Surface Csg:

8-5/8" Csg

Setting Depth: 100'

75sx Cmt

Production Csg:

7 7/8" hole (from OH Log) to 2330'

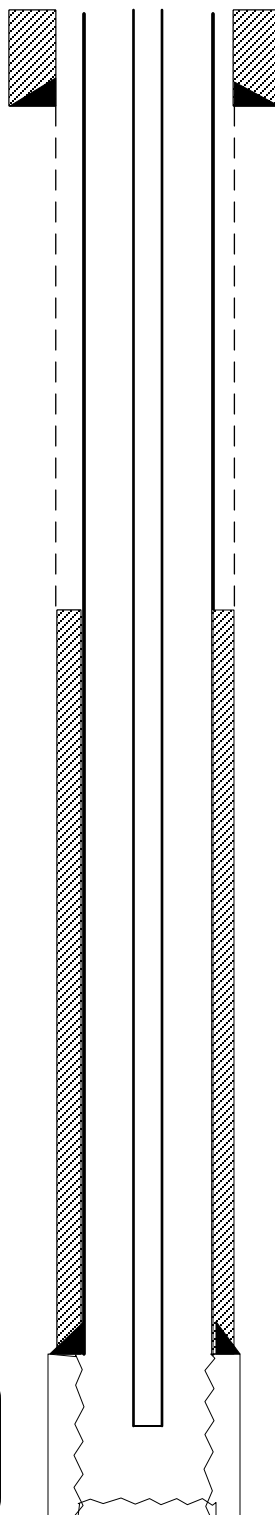
5-1/2" 15.5ppf (est)

Setting Depth: 2,283'

Cement:

100 sx cement

TOC unknown

Cable tools drilled out plug and hole to 2330' after
production cementingTbg – 1.315" set @ 2313' per NMOCD
reports

Picture Cliffs OH (1955):

2,280' - 2330'

Orig Stimulation:

Sandoil Frac with 13 kgals of
oil and 10 klbs sand

MorningStar Operating, LLC

Jicarilla P #6
T24N R05W S34 Rio Arriba
County, NM

Proposed P&A WBD

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

Prepared by: B Berry
Date: 08/30/2024
Update w/BLM Geo Tops/COAs:
09.19.2024
GL = 6,651'
API# 30-039-05280
Spud Date: 05/20/1955
Completion: 06/05/1955

TD – 2,330'

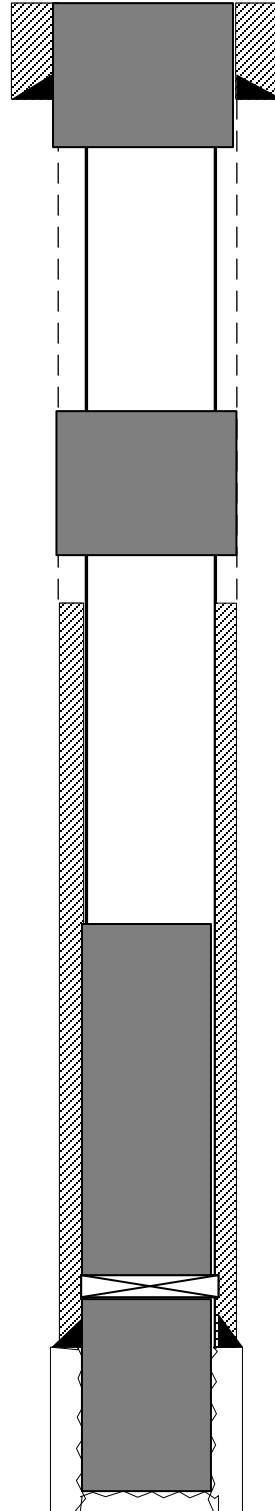
Surface Csg:
8-5/8" Csg
Setting Depth: 100'
75sx Cmt

Production Csg:
7 7/8" hole (from OH Log) to 2330'
5-1/2" 15.5ppf (est)
Setting Depth: 2,283'

Cement:
100 sx cement
TOC unknown

Cable tools drilled out plug and hole to 2330' after
production cementing

Picture Cliffs OH (1955):
2,280' - 2330'
Orig Stimulation:
Sandoil Frac with 13 kgals of
oil and 10 klbs sand



Plug 3 (Surf Csg Shoe)
Perf 150' attempt to circ – if
circ established, pump total
66 sx cmt, 48 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 1073' attempt to circ – if circ established,
pump 46 sx cmt behind pipe (1073'-923' w/
100% excess), 18 sx cmt inside casing (1073'-
923' inside); if no circ pump 18 sx cmt for plug
1073'-923' inside casing

Plug 1 (PC OH/FC/Kirtland/Ojo) – CICR
Set @ ~2233' – pump 11 sx cmt below
retainer for OH, 6 sx below retainer for
casing, 65 sx cmt on top of retainer
Plug 2330'-1681'

San Jose (Est): Surf
Nacimiento (BLM): 1,023'
Ojo Alamo (BLM): 1,781'
Kirtland (BLM): 1,879'
Fruitland (BLM): 2,021'
Picture Cliffs (BLM): 2,261'

Proposed P&A Procedure

Jicarilla P #6 - 3003905280

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 1.315" tubing. MI, tally and PU 2 3/8" workstring.
3. RIH bit and scraper on workstring to ~2250' to ensure clearance for CICR. POOH LD bit.
4. RIH Set CICR @ ~2233'.
5. Circulate/load hole with BLM/NMOCD approved P&A fluid.
6. Run CBL from CICR 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)
 - a. TIH workstring and stinger for retainer. Sting into retainer and pump **11 sx** cmt below retainer for OH section, **6 sx** cmt below retainer for casing volume. Sting out and spot **65sx** cement on top of CICR.
 - b. Plug to cover PC/Fruitland/Kirtland/Ojo 2330'-1681'
8. Plug 2 (Nacimiento)
 - a. Perforate 1073'.
 - b. Attempt to establish circulation...
 - i. if none, spot plug in 5.5" estimated **18sx** needed.
 - ii. If established, estimated **46sx** required to fill annulus (including 100% excess in pipe/formation section) and inside 5.5" with excess as required.
 - iii. Annulus 1073'-923' w/100% excess
 - iv. Inside pipe 1073'-923'
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 **66sx** 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 118sx to 212 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.

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 385306

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 385306
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	approved for record only	9/23/2024