

Well Name: FEDERAL 28-8-30	Well Location: T28N / R8W / SEC 30 / NWNW / 36.636937 / -107.727113	County or Parish/State: SAN JUAN / NM
Well Number: 1S	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMNM03549	Unit or CA Name:	Unit or CA Number:
US Well Number: 300453301200S1	Operator: MORNINGSTAR OPERATING LLC	

Notice of Intent

Sundry ID: 2835194

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 02/04/2025	Time Sundry Submitted: 01:52
Date proposed operation will begin: 03/15/2025	

Procedure Description: MorningStar Operating requests approval of the attached proposed P&A procedure. Also attached are the WBDs.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Federal\_28\_8\_30\_1S\_Proposed\_PA\_WBD\_02.03.2025\_20250204135115.pdf
- Federal\_28\_8\_30\_1S\_Current\_WBD\_02.03.2025\_20250204135059.pdf
- Federal\_28\_8\_30\_1S\_Proposed\_PA\_procedure\_20250204135043.pdf

Received by OCD: 2/18/2025 9:38:35 AM

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Conditions of Approval

Additional

2835194\_NOI\_PnA\_Federal\_28\_8\_30\_1S\_3004533012\_MHK\_02.12.2025\_20250212151502.pdf  
General\_Requirement\_PxA\_20250212151451.pdf  
Federal\_28\_8\_30\_1S\_P\_A\_GeoReport\_20250212130157.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 04, 2025 01:51 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: MATTHEW H KADE  
BLM POC Title: Petroleum Engineer  
BLM POC Phone: 5055647736  
BLM POC Email Address: MKADE@BLM.GOV  
Disposition: Approved  
Disposition Date: 02/12/2025  
Signature: Matthew Kade



# 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 12, 2025

### Notice of Intent - Plug and Abandonment

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**Operator:** Morningstar Operating LLC  
**Lease:** NMNM03549  
**Well(s):** Federal 28-8-30 1S, API # 30-045-33012  
**Location:** NWNW Sec 30 T28N R8W (San Juan County, NM)  
**Sundry Notice ID#:** 2835194

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 made:**
  - a. Adjust Plug 2 (Kirtland/Ojo) to cover BLM Geologist's Kirtland and Ojo Alamo formation top picks @ 1214' and 1024', respectively. Plug 2 should cover 1264' up to 974', estimated minimum 34 sx.
3. **Notification:** Farmington Field Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.
4. **Deadline of Completion of Operations:** Complete the plugging operation before February 10, 2026. If unable to meet the deadline, notify the Bureau of Land Management's Farmington Field Office prior to the deadline via Sundry Notice (Form 3160-5) Notice of Intent detailing the reason for the delay and the date the well is to be plugged.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements. Any estimated minimum sacks provided in procedure modification include necessary excesses.

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

Matthew Kade ([mkade@blm.gov](mailto:mkade@blm.gov)/505-564-7736) / Kenny Rennick ([krennick@blm.gov](mailto:krennick@blm.gov)/505-564-7742)

**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 H<sub>2</sub>S.

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) and 43 CFR 3172.12(a)(10). 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: Feb 12 2025

Well No. Federal 28-8-30 1S Surf. Loc. 945 FNL 1100 FWL  
API 30-045-33012 T. 28 N R. 08 W Section 30  
Operator Cross Timbers Energy, LLC County San Juan State NM  
Elevation (DF 5789  
Lease # N/A

Geologic Formations	Tops	Remarks
Nacimiento	Surface	Freshwater possible
Ojo Alamo	1024	F/W Sands
Kirtland	1214	
Fruitland	1857	Coal, Gas
Pic. Cliffs	2078	Gas

Remarks: Please adjust plugs to account for BLM-picked formation tops.

## Proposed P&A Procedure

### Federal 28-8-30 1S

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

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

1. MIRU P&A Services. Bring 2 3/8" work string for P&A work.
2. POOH LD rods and downhole pump. Rods to be delivered to (TBD by area foreman). Send pump in to pump shop (Energy Pump and Supply) for rebuild where applicable.
3. Pull tbgs OOH and LD. Send to Tuboscope for scanning/storage.
4. PU WS, run a bit and csg scraper to ~1850'.
5. Set CICR @ ~1832'.
6. Circulate hole with BLM/NMOCD approved P&A fluid.
7. No CBL previously run on well. Run CBL from 1800' to surface. Send CBL to BLM/NMOCD and MSO Engineering.
  - a. Revise plugging plan as required per BLM/NMOCD review of CBL. Notify all of any approved adjustments to plugging plan.
8. Plug 1 (PC Top/Fruitland Coal perms)
  - a. Sting into retainer and attempt to establish injection
    - i. If injection established pump **25sx** Class cement below retainer (2043'-1832'), sting out and spot **18sx** cmt on top of retainer (1832-1682')
    - ii. If no injection, sting out and spot **18sx** cmt on top of retainer. (1832-1682')
  - b. Plug from 2043-1682'
9. Plug 2 (Ojo/Kirtland)
  - a. Pump balanced plug **34sx** Class cement.
  - b. From 1264-974'
10. Plug 3 (surface shoe circulation attempt)
  - a. Perforate 369'.
  - b. Attempt to establish circulation...
    - i. if none, spot plug to surface in 5 1/2" casing estimated **43sx** needed.
    - ii. If established, estimated **155sx** required to fill 5 1/2" annulus (including 100% excess in pipe/formation section) and inside 5 1/2" casing to surface.
  - c. Ensure cement at surface on all strings of casing, top off as needed.

11. Cut off wellhead below surface casing flange.
12. Install P&A Marker.

**Estimated 120 sx to 232 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

**Federal 28-8-30 1S**  
**San Juan County, New Mexico**  
**Unit D S30 T28N R08W**

TD – 2280' MD

12-1/4" hole to 321' KB  
 Surface Csg: 7 jts 8-5/8" 24# J55 STC  
 Setting Depth: 319'

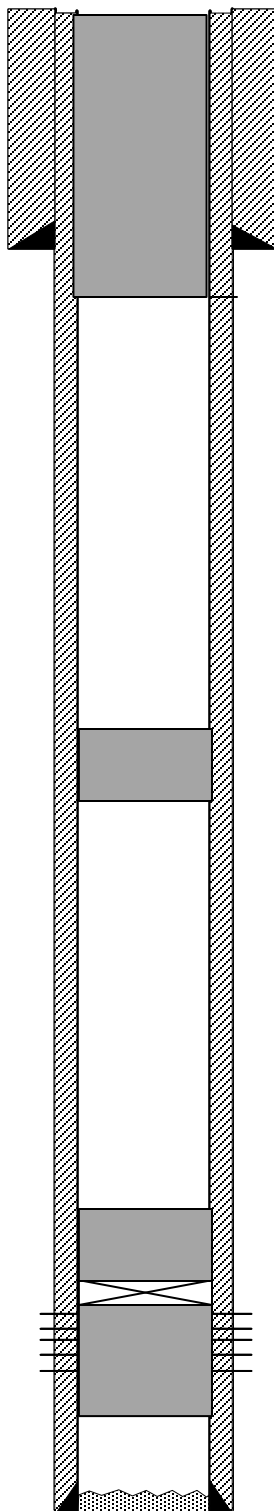
Cement  
 225 sx Class B 2% CaCl<sub>2</sub>, 1/4#/sk flocele (265 cuft)  
 14 bbls cmt to surface

7 7/8" hole to 2280'  
 Prod Csg: 52 jts 5-1/2" 15.5# J55 LTC  
 Setting Depth: 2273'

Cement  
 310 sx 65/35 Class B Poz, 6% gel, 2% CaCl<sub>2</sub>, 10#/sk  
 gilsonite, 1/4#/sk flocele tailed with 150 sx Class B 5#/sk  
 gilsonite, 1/4#/sk flocele (791 cuft)  
 Circ 25 bbls cement to surface

Fruitland Coal Perfs:  
 1882-1974' 4 spf 60 holes 0.43" EHD  
 2017-2043' 4 spf 88 holes 0.43" EHD

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



PBTB: 2228' MD

Plug 3 (Surf Shoe) – Perf 369' –  
 attempt to circulate – if circ  
 achieved pump 112 sx cmt for  
 pipe/hole section and 43 sx cmt  
 to surface - if no circ, spot Plug  
 43 sx cmt 369' to surface

Plug 2 (Kirtland/Ojo) – Balance Plug  
 34 sx cmt (1264-974')

Plug 1 (PC Top/FC perfs) – Set CIGR 1832' attempt to establish  
 injection below retainer, pump 25 sx cmt below retainer, 18 sx on  
 top of retainer – if no injection, spot 18 sx cmt on top of retainer  
 (2043-1682')

Prepared by: BBerry  
 Date: 02/03/2025  
 Updated w/BLM COAs:  
 02/18/2025

KB = ft  
 GL = 5789 ft  
 API# 30-045-33012

Spud Date: 05/28/2005  
 Ready to Produce: 06/25/2005

\*Nacimiento: Surface  
 \*Ojo Alamo: 1024'  
 \*Kirtland: 1214'  
 \*Fruitland Coal: 1857'  
 \*Pictured Cliffs: 2078'  
 \*Tops from BLM COAs

# MorningStar Operating, LLC

**Federal 28-8-30 1S**  
**San Juan County, New Mexico**  
**Unit D S30 T28N R08W**

TD – 2280' MD

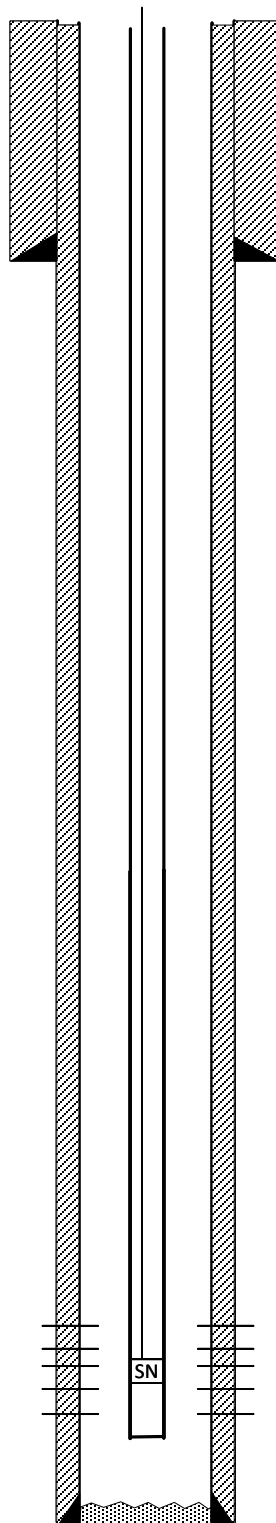
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 Setting Depth: 319'

Cement  
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 14 bbls cmt to surface

7 7/8" hole to 2280'  
 Prod Csg: 52 jts 5-1/2" 15.5# J55 LTC  
 Setting Depth: 2273'

Cement  
 310 sx 65/35 Class B Poz, 6% gel, 2% CaCl<sub>2</sub>, 10#/sk  
 gilsonite, 1/4#/sk flocele tailed with 150 sx Class B 5#/sk  
 gilsonite, 1/4#/sk flocele (791 cuft)  
 Circ 25 bbls cement to surface

Fruitland Coal Frac:  
 1882-1974' 77,843 gal 70Q slickwater foam  
 10,000# 40/70 25,770 20/40 sand  
 2017-2043' 135,000 gals 70Q slickwater foam  
 and 10,000# 40/70 75,000# 20/40 sand



PBTd: 2228' MD

Prepared by: BBerry  
 Date: 02/03/2025  
 Updated with BLM COAs:  
 02/18/2025

KB = ft  
 GL = 5789 ft  
 API# 30-045-33012

Spud Date: 05/28/2005  
 Ready to Produce: 06/25/2005

\*Nacimiento: Surface'  
 \*Ojo Alamo: 1024'  
 \*Kirtland: 1214'  
 \*Fruitland Coal: 1857'  
 \*Pictured Cliffs: 2078'  
 \*Tops from BLM COAs

Tbg 04/19/2007  
 2 3/8" 4.7# J-55  
 1 jt tbg, 8' PS, SN, 66 jts  
 EOT: 2122', SN 2082'

Rods/Pump 04/19/2007  
 2" x ??? x ?? Downhole pump, 4) sinker bars, 78) 3/4", 2)  
 6' rod ponies, PR

Fruitland Coal Perfs:  
 1882-1974' 4 spf 60 holes 0.43" EHD  
 2017-2043' 4 spf 88 holes 0.43" EHD

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 432990

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 432990
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	NMOCD agrees with BLM formation tops - extend plug 1 to 50 feet below PC top which is at 2078 - Notify NMOCD 24 hours prior to moving on - Monitor string pressures daily report on subsequent - submit all logs prior to subsequent - if cannot get circulation from 369 to surface will need to discuss with agencies if need to perforate again.	2/24/2025