

U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

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

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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

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
<b>Nacimiento</b>	<b>Surface</b>	Freshwater possible
<b>Ojo Alamo</b>	<b>1024</b>	F/W Sands
<b>Kirtland</b>	<b>1214</b>	
<b>Fruitland</b>	<b>1857</b>	Coal, Gas
<b>Pic. Cliffs</b>	<b>2078</b>	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 tbg 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 perfs)
  - 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

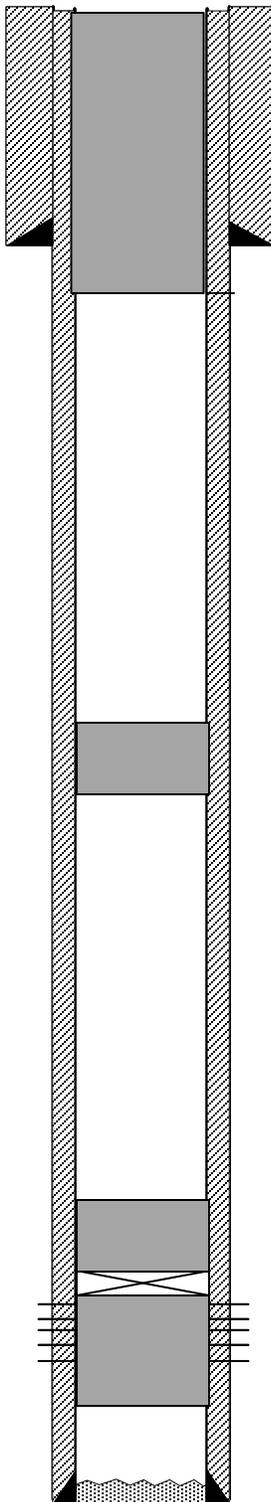
12-1/4" hole to 321' KB  
Surface Csg: 7 jts 8-5/8" 24# J55 STC  
Setting Depth: 319'

**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

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



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 CICR 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')

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

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

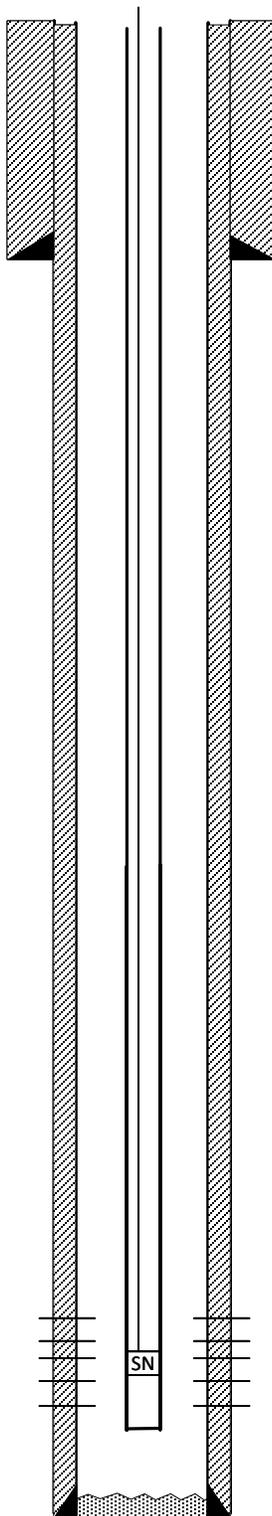
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gilsonite, 1/4#/sk flocele tailed with 150 sx Class B 5#/sk  
gilsonite, 1/4#/sk flocele (791 cuft)  
Circ 25 bbls cement to surface

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



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

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

PBTD: 2228' MD

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