

Well Name: DOUTHIT C FEDERAL	Well Location: T27N / R11W / SEC 34 / SWSW / 36.527222 / -107.996216	County or Parish/State: SAN JUAN / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078092	Unit or CA Name:	Unit or CA Number:
US Well Number: 300450610500S1	Operator: MORNINGSTAR OPERATING LLC	

Notice of Intent

Sundry ID: 2900644

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/16/2026

Time Sundry Submitted: 10:11

Date proposed operation will begin: 10/30/2026

Procedure Description: MorningStar Operating requests approval for the attached Procedure to P&A th Douthit C Federal #1. Also attached are the WBDs.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Douthit_C_Federal__1_Proposed_PA_WBD_20260316101101.pdf

Douthit_C_Federal__1_Current_WBD_20260316101050.pdf

Douthit_C_Federal__1_Proposed_PA_procedure_03.16.2026_20260316101016.pdf

Well Number: 1	Well Location: T27N / R11W / SEC 34 / SWSW / 36.527222 / -107.996216	County or Parish/State: SAN JUAN / NM
Lease Number: NMSF078092	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
US Well Number: 300450610500S1	Unit or CA Name:	Unit or CA Number:
	Operator: MORNINGSTAR OPERATING LLC	

Conditions of Approval

Additional

2900644_1_3004506105_NOIA_KR_04162026_20260416102335.pdf
 Douthit_C_Federal_1_Geo_KR_20260416102335.pdf
 General_Requirement_PxA_20260416102300.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:** MAR 16, 2026 10:11 AM
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:** 04/16/2026
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

April 16, 2026

Notice of Intent – Plug and Abandonment

Operator: MorningStar Operating LLC
Lease: NMSF 0078092
Well(s): Douthit C Federal 1, US Well # 30-045-06105
Sundry Notice ID #: 2900644

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 to be made:
 - a. Modify Plug 1. Make the TOC 6015' to cover the BLM's pick for the Greenhorn at 6115'.
 - b. Add a plug for the BLM's pick for the Cliff House at 3370'. Minimum BOC 3420', TOC 3270'.
 - c. Modify Plug 4. Make the BOC 2750' for the BLM's pick for the Chacra at 2700'.
 - d. Modify Plug 5. Make the BOC 1893' for the BLM's pick for the Pictured Cliffs at 1843'. And TOC 1150' for the Fruitland at 1250'.
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.

K. Rennick 04/16/2026

BLM - FFO - Geologic Report

Date Completed 4/16/2026

Well No. Douthit C Federal 1
US Well No. 30-045-06105
Lease No. NMSF 0078092

Formation Basin Dakota

Operator MorningStar Operating LLC

Geologic Formations	Est. tops	Remarks
Surface Casing	221	
Ojo Alamo	719	Aquifer freshwater
Kirtland Shale	807	
Fruitland Fm	1250	Coal/ Gas/ Possible water
Pictured Cliffs Ss	1843	Gas
Lewis	2020	
Stage Tool	2146	
Chacra	2700	
Cliff House	3370	Water/ Possible gas
Menefee	3570	Coal/ Ss/ Water/ Possible o&g
Point Lookout Ss	4280	Probale water/ Possible o&g
Mancos Shale	4499	
Gallup	5289	Oil & gas/ Water
Greenhorn	6115	
Graneros Shale	6165	
Dakota	6265	Oil & gas/ Water
Top Perforation	6360	
Bottom	6402	

Remarks:

Reference Well:

<p>Limited raster log data. BLM formation picks based are from the review of the reference well.</p> <p>Modify Plug 1. Make the TOC 6015' to cover the BLM's pick for the Greenhorn at 6115'.</p> <p>Add a plug for the BLM's pick for the Cliff House at 3370'. Minimum BOC 3420', TOC 3270'.</p> <p>Modify Plug 4. Make the BOC 2750' for the BLM's pick for the Chacra at 2700'.</p> <p>Modify Plug 5. Make the BOC 1893' for the BLM's pick for the Pictured Cliffs at 1843'. And TOC 1150' for the Fruitland at 1250'.</p>	<p>#2 Well SENW-Section 34-27N-11W US Well No. 30-045-06169</p>
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Prepared by: Kenneth Rennick

Proposed P&A Procedure_04.17.2026

Proposed P&A Procedure

Douthit C Federal #1 API 3004506105

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

Notify NMOCD at least 24hrs in advance to plugging operations via email at

monica.kuehling@emnrd.nm.gov and loren.diede@emnrd.nm.gov

- All Cement Class G 15.8 ppg 1.15 cuft/sk yield
- Tbg, Csg, and Bradenhead pressure to be recorded and reported on each daily report to include the initial move in pressures
- CaCl₂ will be used for plugs requiring WOC
- Follow casing pressure testing as required by BLM/NMOCD
- WOC time is required for ANY plug that has been placed above a CIBP/CR or above any perforations, regardless if the casing has passed a pressure test or not
- WOC time is NOT required if the casing passed a pressure test AND that the plug is not above a CIBP/CR or perforations.

Proposed P&A Procedure_04.17.2026

Proposed Procedure

1. Make necessary advance 24 hr notifications as required.
2. Confirm WH BOP connection and existing tubing size before MIRU.
3. MIRU P&A services.
4. Pull existing tbg standing back – check if string good to use as workstring, if not MI 2 3/8” workstring, LD MO production tbg.
5. MIRU wireline. Run gauge ring to ~6325’.
6. Set CICR/CIBP ~6313’.
7. Load/top off hole with FW in preparation for CBL.
 - a. Keep hole loaded as necessary to ensure CBL run to surface.
8. Run CBL from CIBP/CICR to surface. Send CBL for review to krennick@blm.gov, vlucero@blm.gov, monica.kuehling@emnrd.nm.gov, loren.diede@emnrd.nm.gov, rberry@txopartners.com.
 - a. Revise plugging plan if required.
9. RIH open ended.
10. Plug 1 (DK Perfs/Greenhorn)
 - a. Balance plug **23sx** cement plug from 6313-6015’.
 - b. WOC Tag plug.
11. Plug 2 (Gallup)
 - a. Balance plug **12sx** cement plug from 5339-5189’.
12. Plug 3 (Mancos)
 - a. Balance plug **12sx** cement plug from 4549-4399’.
13. Plug 4 (Cliffhouse)
 - a. Balance plug **12sx** cement plug from 3420-3270’.
14. Plug 5 (Chacra/Stage Tool)
 - a. Balance plug **54sx** cement plug from 2750-2046’.
15. Plug 6 (PC/Fruitland)
 - a. Balance plug **57sx** cement plug from 1893-1150’.
16. Plug 7 (Kirtland/Ojo Alamo)
 - a. Balance plug **19sx** cement plug from 857-619’.
17. Plug 8 (surface shoe circulation attempt)
 - a. Perforate 271’.

Proposed P&A Procedure_04.17.2026

- b. Attempt to establish circulation...
 - i. If established, pump outside plug **68sx** and inside plug **21sx**.
 - ii. if none, drop down to 321' and pump balance plug to surface **25sx** cmt.
 - c. Ensure cement at surface on all strings of casing, top off as needed.
18. Cut off wellhead below surface casing flange.
19. Install P&A Marker.

Estimated 117 sx to 278 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

**Douthit C Federal #1
San Juan County, NM
S34 T27N R11W**

TD – 6570' MD

12.25" hole to 221' KB
Surface Csg: 7 jts 8-5/8" 24# J55
Setting Depth: 221'

Cement
150 sx cmt, 2% CaCl2
Returns to surface

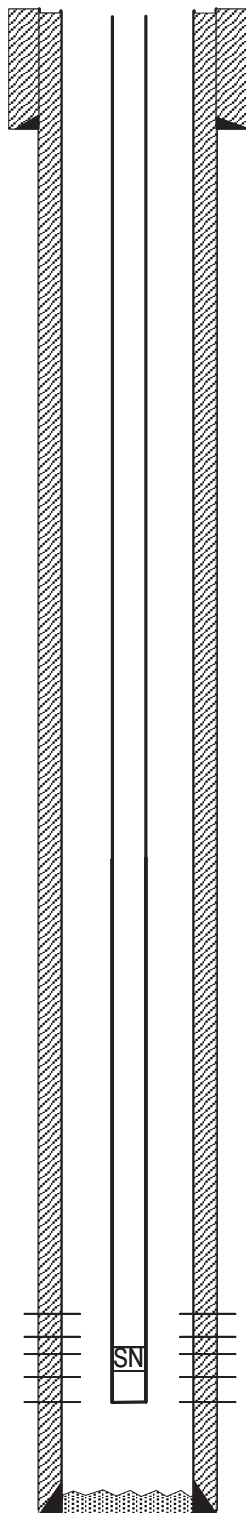
7 7/8" hole to 6570'
Prod Csg: 4-1/2" 11.60#
Setting Depth: 6568'
Stage tool - 2146'

Cement
Stg 1 – 300 sx Diamix "A" with 2% gel
Stg 2 – 150 sx neat cmt
Good circulation throughout both stages

DK Re-Stim: 06/2004
1500 gal 7.5% SBM HCl w/additives
and nitrogen – 101,119 scf N2

DK Frac:
55,000 gal water and 40,000# 40/60
sand and 20,000# 20/40 sand

Current WBD



Prepared by: BBerry
Date: 02.06.2025
Updated with BLM Geo:04.17.2026

GL = 6298 ft
API# 30-045-06105

Spud Date: 01.27.1961

- *Nacimiento: surf
- Surface Shoe: 221'
- *Ojo Alamo: 719'
- *Kirtland: 807'
- *Fruitland: 1250'
- *Pictured Cliffs: 1843'
- Stage Tool: 2146'
- *Chacra: 2700'
- *MV Group/Cliffhouse: 3370'
- *Mancos: 4499'
- *Gallup: 5289'
- *Greenhorn: 6115'
- *Graneros: 6165'
- *Dakota: 6265'
- *BLM Geo Formation Tops

07/12/2004 - Tubing
2 3/8" 4.7# J-55
Pinned sawtooth collar, SN, 202 jts tbg
EOT/SN @ 6371'

01/1965 – casing repair
Hole in casing found 4041' – squeezed
successfully with 200 sx C cmt and .75%
Howco Halad 9 and 2% CaCl2 – drillout
and pressure test to 2000 psig good

Run CBL 4500-2950' – TOC 3100' –
shoot squeeze holes 3040' and squeezed
with 200 sx C cmt and .75% Howco
Halad 9 and 2% CaCl2 – drill out and
pressure test to 2000 psi good

06/2004 – casing repair
Hole in casing found ~4268-4300' – sqz
cmt 100 sx neat cmt with 2% CaCl2 and
0.4% Halad 433 – drillout and P test to
750 psi good

DK Perfs:
6363-6402' (overall)

MorningStar Operating, LLC

**Douthit C Federal #1
San Juan County, NM
S34 T27N R11W**

TD – 6570' MD

12.25" hole to 221' KB
Surface Csg: 7 jts 8-5/8" 24# J55
Setting Depth: 221'

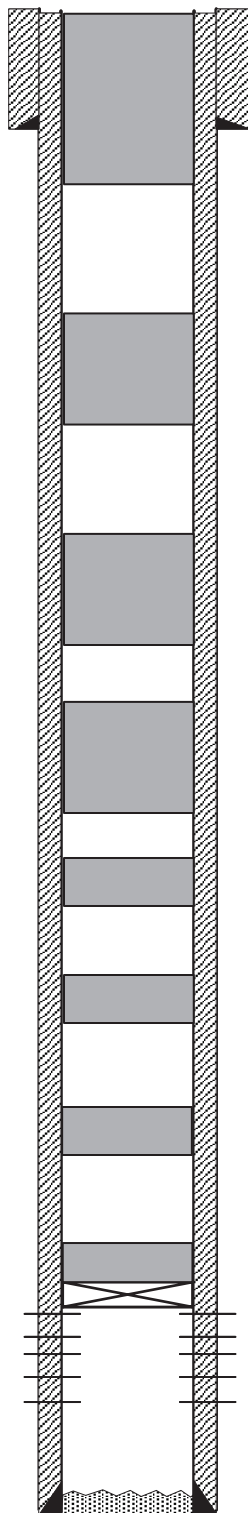
Cement
150 sx cmt, 2% CaCl2
Returns to surface

7 7/8" hole to 6570'
Prod Csg: 4-1/2" 11.60#
Setting Depth: 6568'
Stage tool - 2146'

Cement
Stg 1 – 300 sx Diamix "A" with 2% gel
Stg 2 – 150 sx neat cmt
Good circulation throughout both stages

DK Perfs:
6363-6402' (overall)

Proposed P&A WBD



Plug 8 (Surf Csg Shoe)
Perf 271' attempt to establish circ – if circ established, pump 68 sx cmt outside plug plus 21 sx cmt inside plug – if no circ drop down to 321' and pump balance plug 25sx cmt (271-0')

Plug 7 (Kirtland/Ojo Alamo)
Balance Plug 19 sx cmt (857-619')

Plug 6 (PC/Fruitland)
Balance Plug 57 sx cmt (1893-1150')

Plug 5 (Chacra/Stage Tool)
Balance Plug 54sx cmt (2750-2046')

Plug 4 (Cliffhouse)
Balance Plug 12sx cmt (3420-3270')

Plug 3 (Mancos)
Balance Plug 12sx cmt (4549-4399')

Plug 2 (Gallup)
Balance Plug 12sx cmt (5339-5189')

Plug 1 (DK Perfs/Greenhorn)
Set CICR/CIBP ~6313' Balance Plug 23sx cmt (6313-6015')

Prepared by: BBerry
Date: 02.06.2025
Updated with BLM Geo: 04.17.2026

GL = 6298 ft
API# 30-045-06105

Spud Date: 01.27.1961

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- Stage Tool: 2146'
- *Chacra: 2700'
- *MV Group/Cliffhouse: 3370'
- *Mancos: 4499'
- *Gallup: 5289'
- *Greenhorn: 6115'
- *Graneros: 6165'
- *Dakota: 6265'
- *BLM Geo Formation Tops

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 576620

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 576620
	Action Type: [C-103F] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Accepted for record	4/20/2026