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

# Sundry Print Report

02/28/2025

**Well Name:** BREECH D

**Well Location:** T26N / R6W / SEC 11 / NENE / 36.506348 / -107.430725

**County or Parish/State:** RIO ARRIBA / NM

**Well Number:** 140

**Type of Well:** CONVENTIONAL GAS WELL

**Allottee or Tribe Name:**

**Lease Number:** NMNM03553

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 300398234900C1

**Operator:** CROSS TIMBERS ENERGY LLC

## Notice of Intent

**Sundry ID:** 2835938

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 02/07/2025

**Time Sundry Submitted:** 10:10

**Date proposed operation will begin:** 10/01/2025

**Procedure Description:** Cross Timbers Energy requests approval of the attached Procedure to P&A the Breech D 140. WBDs are also attached.

## Surface Disturbance

**Is any additional surface disturbance proposed?:** No

## NOI Attachments

**Procedure Description**

Breech_D_140_Proposed__PA_WBD_01.31.2025_20250207115403.pdf

Breech_D_140_Current_WBD_01.31.2025_20250207100900.pdf

Breech_D_140_Proposed_PA_Procedure_02.02.2025_20250207100830.pdf

**Well Name:** BREECH D

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**Well Number:** 140

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**US Well Number:** 300398234900C1

**Operator:** CROSS TIMBERS ENERGY LLC

## Conditions of Approval

**Authorized**

General_Requirement_PxA_20250227100410.pdf

2835938_140_3003982349_NOI_ABD_KR_02262025_20250227100347.pdf

Breech_D_140_Geo_Rpt_20250226155126_20250227100145.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 07, 2025 11:54 AM

**Name:** CROSS TIMBERS ENERGY 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:** 02/27/2025

**Signature:** Kenneth Rennick

# 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 27, 2025

**Notice of Intent – Plug and Abandonment**

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**Operator:** Cross Timbers Energy LLC
**Lease:** NMNM03553

**Well(s):** Beech D 140, US Well 30-039-82349
**Location:** NENE Sec 11 T26N R6W (Rio Arriba County, NM)
**Sundry Notice ID #:** 2835938

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 modification to your plugging program is to be made:
   a. Modify the Plug 2 BOC to 6540' to cover the BLM geologist's pick for the Gallup at 6490'. The TOC may be moved as low as 6390'.
   b. Plug 3 TOC may be moved to as low as 5370' to cover the BLM geologist's pick for the Mancos at 5470'.
   c. Modify Plug 5 to run from 3960' to 4060' to cover the BLM geologist's pick for the Chacra top at 4010'.
   d. Plug 6 TOC may be moved to as low as 2700' to cover the BLM geologist's pick for the Fruitland at 2800'.
   e. Modify Plug 7 by moving TOC to 2335' and BOC to 2690' to cover the BLM geologist's pick for the Ojo Alamo at 2435' and Kirtland at 2640'.
   f. Modify Plug 8 by moving TOC to 1440' and BOC to 1590' to cover the BLM geologist's pick for the Nacimiento at 1540'.

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.

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

K. Rennick 2/27/2025

# BLM - FFO - Geologic Report

**Date Completed** 2/25/2025

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Well No. | Breech D # 140 | | | Surf. Loc. | 990 | FNL | 990 FEL |
| Lease No. | NMNM03553 | | | | Sec | 11 | T26N R6W |
| Operator | Cross Timbers Energy LLC | | | County | Rio Arriba | State | New Mexico |
| TVD | 7700 | PBTD | 7558 | Formation | Mesa Verde, Dakota | | |
| Elevation | GL | 6588 | | Elevation | Est. KB | 6600 | |

| Geologic Formations | Est. tops | Subsea Elev. | Remarks |
|---|---|---|---|
| San Jose Fm. | 0 | Surface | |
| Nacimiento Fm. | 1540 | 5060 | Surface /fresh water sands |
| Ojo Alamo Ss | 2435 | 4165 | Fresh water aquifer |
| Kirtland Fm. | 2640 | 3960 | |
| Fruitland Fm. | 2800 | 3800 | Coal/gas/possible water |
| Pictured Cliffs | 3095 | 3505 | Possible gas/water |
| DV Tool | 3200 | 3400 | Possible gas/water |
| Lewis Shale (Main) | 3230 | 3370 | Source rock |
| Huerfanito Bentonite | 3565 | 3035 | Reference bed |
| Chacra | 4010 | 2590 | Possible gas/water |
| Cliff House Ss | 4770 | 1830 | Possible gas/water |
| Menefee Fm. | 4810 | 1790 | Coal/water/possible gas |
| Point Lookout Fm. | 5310 | 1290 | Possible gas/water |
| Mancos Shale | 5470 | 1130 | Source rock |
| DV Tool | 5560 | 1040 | Possible gas/water |
| Gallup | 6490 | 110 | Oil & gas |
| Juana Lopez | 6820 | -220 | |
| Mancos Stringer | 7000 | -400 | |
| Brdge Crk/Grnhrn | 7200 | -600 | |
| Graneros Shale | 7320 | -720 | |
| Dakota Ss | 7410 | -810 | Possible gas/water |

Remarks:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.

-Modify the Plug 2 BOC to 6540' to cover the BLM geologist's pick for the Gallup. The TOC may be moved as low as 6390'.

-Modify Plug 3: The TOC of Plug 3 may be moved to as low as 5370' to cover the BLM geologist's pick for the Mancos.

-Modify Plug 5 to run from 3960' to 4060' to cover the BLM geologist's pick for the Chacra top.

-Modify Plug 6: The TOC of Plug 6 may be moved to as low as 2700' to cover the BLM geologist's pick for the Fruitland.

-Modify Plug 7: Move TOC to 2335' and BOC to 2690' to cover the BLM geologist's pick for the Ojo Alamo and Kirtland.

-Modify Plug 8: Move TOC to 1440' and BOC to 1590' to cover the BLM geologist's pick for the Nacimiento.

Reference Well:

Cross Timbers Energy LLC.
Same-Breech D # 140

Prepared by: Walter Gage

# 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 $H_2S$.

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.

# Proposed P&A Procedure

## Breech D 140 - 3003982349

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

All Cement Class G 15.8 ppg 1.15 cuft/sk yield

1. MIRU P&A service rig, ancillary equipment and 2 3/8" workstring.
2. ND WH NU BOP.
3. Scan tubing OOH LD. Send all tubing to Caulkins yard, separate out YB/BB and GB/RB per area foreman guidance.
4. PU workstring, bit and casing scraper RIH to ~7300'. POOH LD bit and scraper.
5. Set CIBP @ ~7260'.
6. Plug 1 (Dakota Perfs)
    a. Spot **18sx** cement on top of CIBP.
    b. From 7260-7110'
7. Plug 2 (Gallup)
    a. Balance plug **18sx** cement.
    b. From 6540'-6390'
8. Plug 3 (Mancos/DV Tool)
    a. Pump balanced plug **28sx** cement.
        i. From 5610-5370'
9. Set CIBP @ ~4804'.
10. Circulate hole with BLM/ NM EMNRD approved P&A fluid.
11. Run CBL from ~4800' to surface. Send CBL to BLM/NM EMNRD and CTE Engineering.
    a. Make necessary revisions to plugging plan if required by BLM/ NM EMNRD and notify CTE Engineering. Ensure proper written notifications/revisions sent/received.
12. Plug 4 (Mesa Verde perfs)
    a. Spot **18sx** cement on top of CIBP.
        i. From 4804'-4654'
13. Plug 5 (Chacra)
    a. Pump balanced plug **18sx** cement.

i. From 4060-3910’

14. Plug 6 (DV Tool/PC/FC)
    a. Pump balanced plug **63sx** cement.
        i. From 3250’-2700’
15. Plug 7 (Kirtland/Ojo Alamo)
    a. Pump balanced plug **41sx** cement.
        i. From 2690’-2335’
16. Plug 8 (Nacimiento)
    a. Pump balanced plug **18sx** cement.
        i. From 1590’-1440’
17. Plug 9 (Surface shoe)
    a. Perf ~302’
    b. Attempt to establish circulation
        i. If circulation established, pump **133sx** cement to fill 5 ½” and hole annulus, and **35sx** cement inside 5 ½” casing.
        ii. If no circulation established, pump **35sx** cement inside 5 ½” casing.
    c. From 302’ to surface
    d. Ensure cement at surface on all strings of casing, top off as needed.
18. Cut off wellhead below surface casing flange at depth as required by regulatory guidance.
19. Install P&A Marker.

**Estimated 257 to 390 sx cement 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.*

# Cross Timbers Energy, LLC

Prepared by: BBerry
Date: 01/30/2025

KB = ? ft
GL = 6588 ft
API# 30-039-82349

Spud Date: 01/03/1960
Ready to Produce: August 1960

**Breech D 140**
**S11 T26N R06W Unit A**
**Rio Arriba County, New Mexico**

*Nacimiento: 877'
*Ojo Alamo: 2231'
*Kirtland: 2485'
*Fruitland: 2730'
*Pictured Cliffs: 2995'
*Chacra: 3845'
*Mesa Verde:4685'
*Mancos: 5340'
*Tocito: 6165'
*Gallup: 6340'
*Dakota: 7340'

*Tops based on 2024 P&A offset Well Breech A 204 as provided by BLM for same

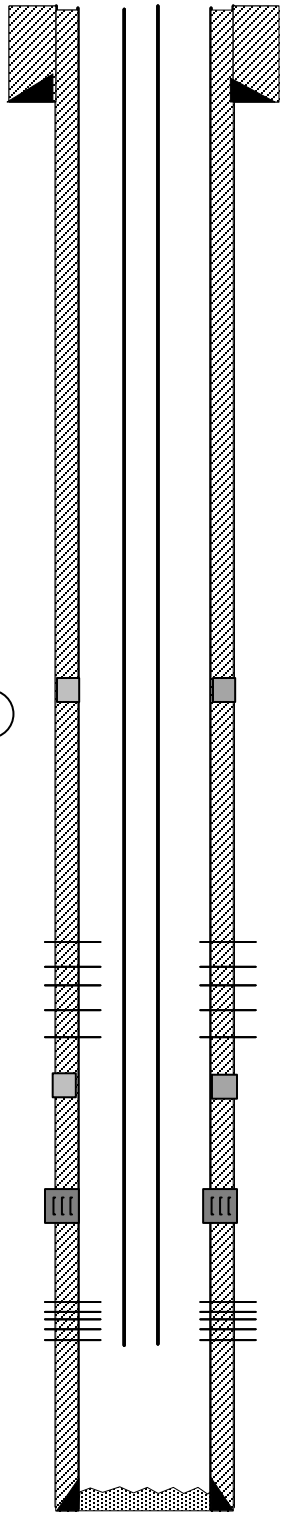
**TD – 7700' MD**

**15" hole**
**Surface Csg: 10 ¾' 32.75# H-40**
**Setting Depth: 252'**

**Cement**
**200sx w/2%CaCl2**
**Cmt circulated per report**

**8 ¾" hole to 7700'**
**Prod Csg:**
**5 ½" 15.5# J-55 to 6707'**
**5 ½" 17# J-55 6707' to 7700'**
**Setting Depth: 7700'**

**Cement**
**848 sx**
**DV Tools 5560' and 3200'**



**Tbg**
2 3/8" 4.7# J-55
EOT 7419'

**DV Tool ~3200'**

**Mesa Verde Perfs:**
4854-5462' (Overall)
14 shots total, 1 spf selectively
0.42" EHD

**Mesa Verde Frac:**
**1982**: 100 klbs 20/40 sand and 1511 bbls 20# gel water

**DV Tool ~5560'**

**Tocito Perfs: 6817-6828'**
**06/1982** Sqz'd perforations w/200 sx Class B cmt w/0.8% fluid loss additive – drilled out and tested successfully

**Dakota Perfs:**
7310-7322' 48 0.56" Dia Perfs
7418-7426' 48 0.56" Dia Perfs
7490-7510' 180 0.56" Dia Perfs

**Dakota Frac:**
7310-7322' 60Klbs sand 67.6 kgals H2O
7418-7426' 60klbs sand 72.0 kgals H2O
7490-7510' 60 klbs sand 57.9 kgals H2O

**PBTD: 7558' MD**

# Cross Timbers Energy, LLC

Prepared by: BBerry
Date: 01/31/2025
Updated: 03.04.2025

KB = ? ft
GL = 6588 ft
API# 30-039-82349

Spud Date: 01/03/1960
Ready to Produce: August 1960

**Breech D 140**
**S11 T26N R06W Unit A**
**Rio Arriba County, New Mexico**

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

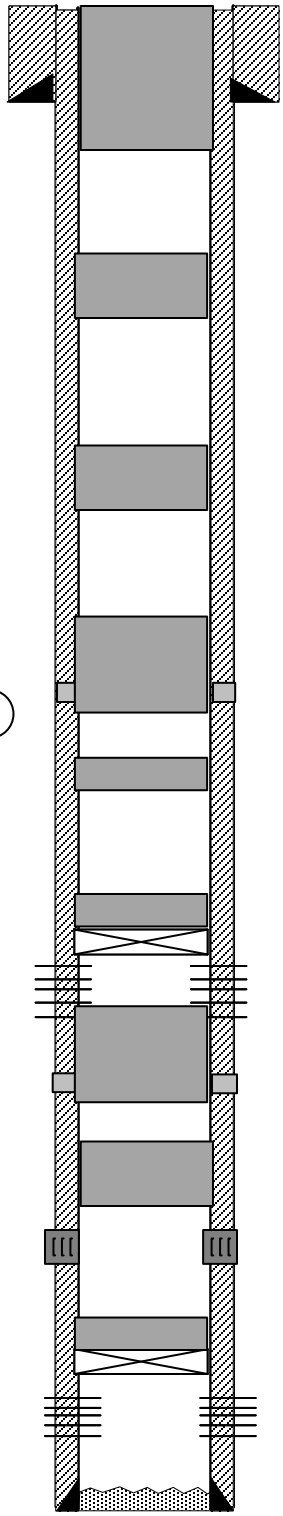
**TD – 7700' MD**

**15" hole**
**Surface Csg: 10 ¾' 32.75# H-40**
**Setting Depth: 252'**

**Cement**
**200sx w/2%CaCl2**
**Cmt circulated per report**

**8 ¾" hole to 7700'**
**Prod Csg:**
**5 ½" 15.5# J-55 to 6707'**
**5 ½" 17# J-55 6707' to 7700'**
**Setting Depth: 7700'**

**Cement**
**848 sx**
**DV Tools 5560' and 3200'**



Plug 9 (Surf Shoe) – Perf 302' – attempt to circulate – if circ achieved pump 133 sx cmt for pipe/hole section and 35 sx cmt to surface - if no circ, spot Plug 35 sx cmt 302' to surface

Plug 8 (Nacimiento) – Balance Plug 18 sx cmt (1590-1440')

Plug 7 (Kirtland/Ojo) – Balance Plug 41 sx cmt (2690-2335')

Plug 6 (DV Tool/PC/FC) – Balance Plug 63 sx cmt (3250-2700')

**DV Tool ~3200'**

Plug 5 (Chacra) – Balance Plug 18 sx cmt (4060-3910')

Plug 4 (Mesa Verde Perfs) – CIBP Set@ ~4804' with 18 sx cmt on top (4804-4654')

**Mesa Verde Perfs:** 4854-5462' (Overall)

Plug 3 (Mancos and DV Tool) – Balance plug 28 sx cmt (5610-5370')

**DV Tool ~5560'**

Plug 2 (Gallup) – Balance plug 18 sx cmt (6540-6390')

**Tocito Perfs: 6817-6828'**
**06/1982** Sqz'd perforations w/200 sx Class B cmt w/0.8% fluid loss additive – drilled out and tested successfully

Plug 1 (Dakota perf) – CIBP Set @ ~7260' with 18 sx cmt on top (TOC ~7110')

**Dakota Perfs:** 7310-7510'

**PBTD: 7558' MD**

*Nacimiento: 1540'
*Ojo Alamo: 2435'
*Kirtland: 2640'
*Fruitland: 2800'
*Pictured Cliffs: 3095'
*Chacra: 4010'
*Mesa Verde:4770'
*Mancos: 5470'
*Gallup: 6490'
*Dakota: 7410'

*Tops from BLM FFO Geology Report COAs

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

| Operator: | OGRID: |
|---|---|
| CROSS TIMBERS ENERGY, LLC<br>400 West 7th Street<br>Fort Worth, TX 76102 | 298299 |
| | Action Number:<br>438765 |
| | Action Type:<br>[C-103] NOI Plug & Abandon (C-103F) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| mkuehling | NMOCD agrees with BLM on formation tops except for Nacimiento = 1375 Fruitland Coal =2716 Graneros =7254 Dakota = 7286 - CBL required to be logged from bottom CIBP at 7260 - Extend MV plug 50 feet below top at 4770 - Cannot combine ojo/kirtland plug if pressure on the bradenhead - Adjust plug at Nacimiento to cover BLM call on top as well as State call on top - | 3/14/2025 |
| mkuehling | Notify NMOCD 24 hours prior to moving on - Monitor string pressures daily report on subsequent - Submit all logs prior to subsequent | 3/14/2025 |