

Well Name: BREECH	Well Location: T26N / R7W / SEC 24 / SESW / 36.466736 / -107.53038	County or Parish/State: RIO ARRIBA / NM
Well Number: 382	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM03733	Unit or CA Name:	Unit or CA Number:
US Well Number: 300392091200C1	Operator: CROSS TIMBERS ENERGY LLC	

Notice of Intent

Sundry ID: 2881358

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 11/04/2025

Time Sundry Submitted: 09:54

Date proposed operation will begin: 09/15/2026

Procedure Description: Cross Timbers Energy requests approval of the attached procedure to plug and abandon the Breech 382. Also included are the WBDs.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Breech_382_Proposed_PA_WBD_11.03.2025_20251104095324.pdf

Breech_382_Current_WBD_10.24.2025_20251104095312.pdf

Breech_382_Proposed_PA_Procedure_11.03.2025_20251104095236.pdf

Well Name: BREECH

Well Location: T26N / R7W / SEC 24 /
SESW / 36.466736 / -107.53038

County or Parish/State: RIO
ARRIBA / NM

Well Number: 382

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

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US Well Number: 300392091200C1

Operator: CROSS TIMBERS ENERGY
LLC

Conditions of Approval

Additional

General_Requirement_PxA_20251105133007.pdf

2881358_382_3003920912_NOIA_KR_11052025_20251105132955.pdf

Brech_382_Geo_Rpt_20251105101433.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: NOV 04, 2025 09:53 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: 11/05/2025

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

November 5, 2025

Notice of Intent – Plug and Abandonment

Operator: Cross Timbers Energy LLC
Lease: NMNM 0003733
Well(s): Breech 382, US Well # 30-039-20912
Location: SESW Sec 24 T26N R07W (Rio Arriba, NM)
Sundry Notice ID #: 2881358

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. Add addition cement above the CIBP at 3425', minimum depth 3375'.
 - b. Modify Plug 2. Make the TOC 1820' to cover the BLM Geologist's pick for the Ojo Alamo at 1920'.
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 11/05/2025

BLM - FFO - Geologic Report

Date Completed 11/5/2025

Well No. Breech 382	Surf. Loc. 1190	FSL 1580	FWL
Lease No. NMNM03733	Sec 24	T26N	R7W
Operator Cross Timbers Energy LLC	County San Juan	State	New Mexico
US Well # 3003920912			
TVD 3675	PBSD 3387	Formation Bisti- Lower Gallup	
Elevation GL 6522	Elevation Est. KB 6532		

Geologic Formations	Est. tops	Subsea Elev.	Remarks
San Jose Fm.	Surface	6532	
Surface Casing	136	6396	
Nacimiento Fm.	1270	5262	Surface /fresh water sands
Ojo Alamo Ss	1920	4612	Fresh water aquifer
Kirtland Fm.	2120	4412	
Fruitland Fm.	2575	3957	Coal/gas/possible water
Pictured Cliffs	2642	3890	Possible gas/water
Perfs	2670	3862	Possible gas/water
Lewis Shale (Main)	2700	3832	Source rock
Huerfanito Bentonite	3081	3451	Reference bed
CIBP	3425	3107	
Chacra (upper)	3531	3001	Possible gas/water

Remarks:

Reference Well:

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

-The 1/4 1/4 distances are incorrect in the Location of Well table on the 3160-5 form. 1190' FSL and 1580' FWL are the correct distances.

-The minimum cement top over the Chacra perfs CIBP is 3390' if it is placed by a dump bailer, 3375' if it is placed by pipe.

Modify Plug 2. Make the TOC 1820' to cover the BLM geologist's pick for the Ojo Alamo.

Cross Timbers Energy LLC
Same

Prepared by: Walter Gage

11.03.2025

Proposed P&A Procedure

Breech 382 - 3003920912

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

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
- All plug calculations/height of plugs include excess cement volumes as per 4.2 and 4.4 of the “General Requirements for Permanent Abandonment of Wells On Federal and Indian Lease Farmington Field Office”
- 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
- Casing Pressure Testing will be completed to 500 psi
 - After setting CIBP/CICR above producing interval (Plug 1)
 - Before pumping each subsequent cement plug (between plug 1 and surface plug)
 - Surface plug no pressure test – pumping/circulating cement to surface where able
 - For each plug, if casing pressure test successful, pump required cement volume and required displacement and move to next plug, circulating tubing clean as required
 - For each plug, if casing pressure test failed, pump required cement volume and required displacement, move tubing uphole and circulate tubing clean as required and ensure safe distance above cement - WOC 4 hrs, tag cement and confirm good tag with BLM onsite representative before moving to next plug
- A successful casing pressure test allows for 10% pressure loss in 10 min per previous BLM guidance

11.03.2025

Proposed P&A Procedure

1. MIRU P&A services.
2. POOH standing back existing tubing string and check if good to use as workstring. If not good to use, MI 2 3/8" workstring.
3. PU bit and scraper and RIH to 3387' – lightly tag existing cement and confirm depth with BLM representative and determine if additional cement required. POOH LD bit and scraper.
4. Plug 1(Chacra CIBP with 3 sx cmt on top already)
 - a. **If needed after tagging and height found not to be adequate** - top off cmt with ~**9 sx** cmt to raise height to 3275'. **Minimum height must be 3375' per BLM COAs.**
5. Set CIBP 2620'.
6. Load/top off hole with FW in preparation for CBL.
 - a. Keep hole loaded as necessary to ensure CBL run to surface.
7. Run CBL from CIBP 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.
8. Plug 2 (PC Perfs/FC/Kirtland/Ojo Alamo)
 - a. Balance plug **60sx** cement on top of CIBP.
 - i. From 2620-1820'
9. Plug 3 (Nacimiento)
 - a. Perf ~1320'
 - b. Attempt to establish injection
 - i. If injection is established, pump inside outside plug **49sx** cmt.
 - ii. If no injection is established, pump **12sx** cmt inside casing.
 - c. From 1320-1170'
10. Plug 4 (Surface shoe)
 - a. Perf ~186'
 - b. Attempt to establish circulation
 - i. If circulation is established, pump inside outside plug **56sx** cmt
 - ii. If no circulation is established, pump **14sx** cement inside casing.
 - c. From 186' to surface
 - d. Ensure cement at surface on all strings of casing, top off as needed.
11. Cut off wellhead below surface casing flange at depth as required.

11.03.2025

12. Install P&A Marker.

Estimated 95 to 174 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

Prepared by: BBerry
Date: 10/24/2025

GL = 6522 ft
API# 30-039-20912

Spud Date: 09/27/1974

Breach 382
Rio Arriba County, NM
N S24 T26N R07W

TD – 3675' MD

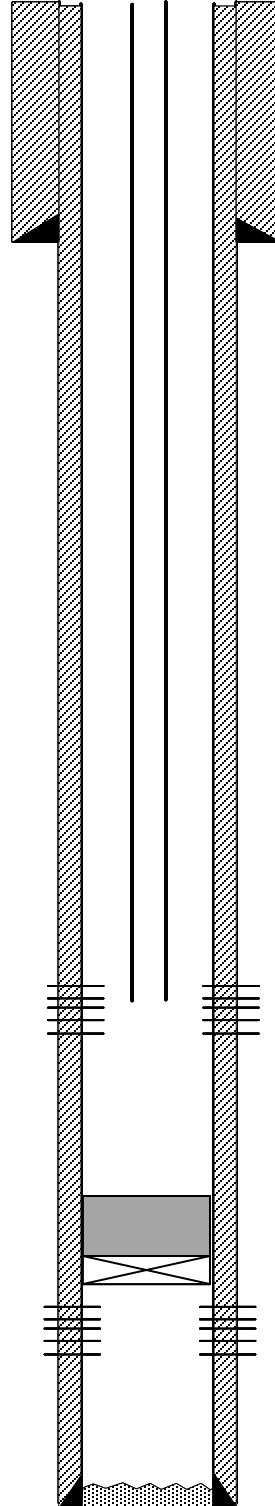
12.25" hole to 136' KB
Surface Csg: 8-5/8" 28#
Setting Depth: 136'

Cement
100 sx 2% CaCl
Cmt Circ to surface

6 3/4" hole to 3675'
Prod Csg: 4-1/2" 12.6# J55
Setting Depth: 3675'

Cement
135 sx Lodense tail 120 sx Neat
Est TOC 1800' (from NMOCD submissions)

Current WBD



09/08/2005 - Tubing
2 3/8" 85 jts
EOT @ 2687'

PC Perfs:
2670-2690' (overall)

09/07/2005
Set CIBP 3425' – dump bail
3sx cmt on top (3425-3387')

Chacra Perfs:
3585-3637' (overall)

- *Nacimiento: 1270'
- *Ojo Alamo : 1920'
- *Kirtland: 2120'
- *Fruitland: 2575'
- *Pictured Cliffs: 2642'
- *Chacra: 3531'
- *Tops from BLM COAs-Geo

Cross Timbers Energy

Prepared by: BBerry
Date: 11/03/2025

GL = 6522 ft
API# 30-039-20912

Spud Date: 09/27/1974

Breach 382
Rio Arriba County, NM
N S24 T26N R07W

TD – 3675' MD

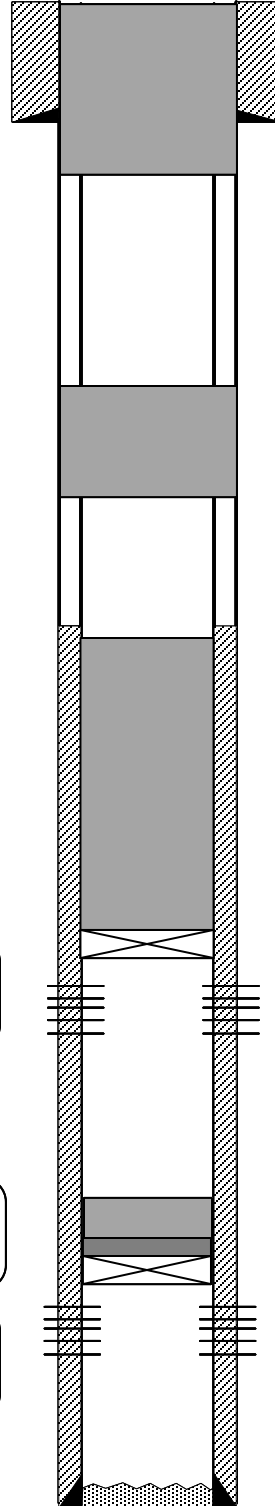
12.25" hole to 136' KB
Surface Csg: 8-5/8" 28#
Setting Depth: 136'

Cement
100 sx 2% CaCl
Cmt Circ to surface

6 3/4" hole to 3675'
Prod Csg: 4-1/2" 12.6# J55
Setting Depth: 3675'

Cement
135 sx Lodense tail 120 sx Neat
Est TOC 1800' (from NMOCD submissions)

Proposed P&A WBD



Plug 4 (Surf Shoe) – perf 186', attempt to establish circulation, if established, pump inside/ outside plug 56 sx cmt, if no circ established pump inside plug 14 sx cmt (186-0')

Plug 3 (Nacimiento) – perf 1320', attempt to establish injection, if established, pump inside/outside plug 49 sx cmt, if no inj established pump inside plug 12 sx cmt (1320-1170')

Plug 2 (PC Perf/FC/Kirtland/Ojo Alamo) – CIBP Set @ ~2620' – Pump 60 sx balance plug on top of CIBP (2620-1820')

Plug 1 (Chacra) – Tag exist cmt to confirm depth, top off 9 sx cmt (3387-3275')

PC Perfs:
2670-2690' (overall)

09/07/2005
Set CIBP 3425' – dump bail
3sx cmt on top (3425-3387')

Chacra Perfs:
3585-3637' (overall)

*Nacimiento:1270'
*Ojo Alamo :1920'
*Kirtland: 2120'
*Fruitland: 2575'
*Pictured Cliffs: 2642'
*Chacra: 3531'
*Tops from BLM COAs-Geo

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 523842

CONDITIONS

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 523842
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	Notify the OCD inspection supervisor via email 24 hours prior to beginning Plug & Abandon (P&A) operations.	11/6/2025
loren.diede	Submit photo and GPS coordinates of the P&A marker with the final reports. The API# on the marker must be clearly legible.	11/6/2025