

|                                |                                                                       |                                            |
|--------------------------------|-----------------------------------------------------------------------|--------------------------------------------|
| Well Name: MKL                 | Well Location: T26N / R7W / SEC 5 /<br>NENE / 36.519287 / -107.592545 | County or Parish/State: RIO<br>ARRIBA / NM |
| Well Number: 15                | Type of Well: CONVENTIONAL GAS<br>WELL                                | Allottee or Tribe Name:                    |
| Lease Number: NMSF079162       | Unit or CA Name:                                                      | Unit or CA Number:                         |
| US Well Number: 300390674700S1 | Operator: CROSS TIMBERS ENERGY<br>LLC                                 |                                            |

Subsequent Report

Sundry ID: 2808427

|                                           |                                      |
|-------------------------------------------|--------------------------------------|
| Type of Submission: Subsequent Report     | Type of Action: Plug and Abandonment |
| Date Sundry Submitted: 08/26/2024         | Time Sundry Submitted: 01:11         |
| Date Operation Actually Began: 08/02/2024 |                                      |

Actual Procedure: Cross Timbers Energy has completed the P&A of the MKL #15 as of 08/07/2024. Attached are the Daily Reports and Final WBD.

SR Attachments

- Actual Procedure
- MKL\_15\_Final\_PA\_WBD\_08.2024\_20240826130953.pdf
  - MKL\_15\_Final\_PA\_Daily\_Reports\_08.01.2024\_20240826130940.pdf

|                                |                                                                    |                                         |
|--------------------------------|--------------------------------------------------------------------|-----------------------------------------|
| Well Name: MKL                 | Well Location: T26N / R7W / SEC 5 / NENE / 36.519287 / -107.592545 | County or Parish/State: RIO ARRIBA / NM |
| Well Number: 15                | Type of Well: CONVENTIONAL GAS WELL                                | Allottee or Tribe Name:                 |
| Lease Number: NMSF079162       | Unit or CA Name:                                                   | Unit or CA Number:                      |
| US Well Number: 300390674700S1 | Operator: CROSS TIMBERS ENERGY LLC                                 |                                         |

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: AUG 26, 2024 01:10 PM |
| 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@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: Accepted        | Disposition Date: 08/26/2024         |
| Signature: Matthew Kade      |                                      |

## **Cross Timbers Energy LLC**

### **Plug And Abandonment End of Well Report**

**MKL #015**

990' FNL & 990' FEL, Section 05, 26N, 07W

Rio Arriba, NM / API 30-039-06747

#### **Work Summary:**

- 8/1/24** Made BLM and NMOCD P&A operations notifications at 9:00 AM MST.
- 8/2/24** Completed pre-trip inspection. Moved unit to location. Held safety meeting. Checked location for H2S and other gas. Checked well pressures. Bleed down well. Spot in unit and equipment. R/U unit and equipment. ND WH, NU BOP, R/U floor and equipment. Change out equipment for 1" tubing. L/D 84 joints of 1" tubing. Shut in and secured well.
- 8/5/24** Arrived on location. Held safety meeting. Checked location for H2S and other gas. Checked well pressures. R/U wireline services. RIH with gauge ring to 2780'. POOH. P/U CIBP. RIH and set CIBP at 2754'. POOH. R/D wireline services. Prepped and tallied 1-1/4" work string. P/U work string to 2754'. R/U cementing services. Circulated well with 10.5 bbls, pumped 16 bbls total. Attempted to pressure test casing but was unsuccessful, 500 psi to 460 psi in 5 minutes. Pumped plug #1 from 2754' to 2434'. R/D cementing services. L/D 11 joints. Reverse circulated at 2368'. TOOH. WOC 4 hours. TIH and tagged plug #1 at 2478'. L/D 7 joints. R/U cementing services. Pumped plug #2 from 2238' to approx. 1884'. R/D cementers. L/D 13 joints. Reverse circulated at 1848' and TOOH. WOC overnight. Shut in and secured well.
- 8/6/24** Arrived on location. Held safety meeting. Checked location for H2S and other gas. Checked well pressures. TIH and tagged plug #2 at 1815'. L/D 33 joints and TOOH. Attempted to pressure test casing but was unsuccessful, 560 psi to 500 psi in 5 minutes. R/U wireline services. RIH and perforated at 747'. R/D wireline. TIH to 812'. R/U cementing services. Pumped cement from 812' to 597'. R/D

cementing services. L/D 12 joints. Reverse circulated at 423'. TOOH. WOC 4 hours. TIH and tagged plug #3 at 747'. R/U cementing services. Continued pumping plug #3 from 747' to 597'. R/D cementing services. L/D 12 joints. Reverse circulated at 358'. TOOH. WOC overnight. Shut in and secured well.

**8/7/24**

Arrived on location. Held safety meeting. Checked location for H2S and other gas. Checked well pressures. TIH and tagged plug #3 at 326'. Attempted to pressure test casing but was unsuccessful, 500 psi to 420 psi in 5 minutes. Attempted to pressure test BH but was unsuccessful. With the state and BLM approval, R/U wireline services. RIH and perforated at 145'. POOH. R/D wireline services. P/U tubing to 194'. R/U cementing services. Successfully circulated water down 1-1/4" tubing, into perforations at 145', and out the BH with 7 bbls, pumped 10 bbls total. Pumped plug #4 down 1-1/4" tubing, into perforations at 145', and out the BH at surface. Shut the BH valve, opened the 2-7/8" casing valve and continued pumping to surface. R/D cementing services. WOC 4 hours. Dig around WH. R/D floor and equipment. ND BOP, NU WH. R/U welder on location. Performed WH cut off. Cement was 1' low in 10-3/4" casing, at surface in 5.5" casing, and 46' low in 2-2/8" casing. Weld P&A marker into place per all state and BLM regulations. R/U cementing services. Filled both casing strings and cellar using 1" poly pipe. R/D cementers. R/D unit and equipment. Prepare to MOL.

### **Plug Summary:**

**Plug #1: (Perforations, Pictured Cliffs, and Fruitland Formation Tops, 2,754'-2,478', 10 Sacks Class G Cement, 15.8 ppg, 1.15 cu ft/sk yield)**

R/U wireline services. P/U CIBP. RIH and set CIBP at 2754'. POOH. R/D wireline services. P/U work string to 2754'. R/U cementing services. Circulated well with 10.5 bbls, pumped 16 bbls total. Pumped plug #1 from 2754' to 2434'. R/D cementing services. L/D 11 joints. Reverse circulated at 2368'. TOOH. WOC 4 hours. TIH and tagged plug #1 at 2478'.

**Plug #2: (Kirtland and Ojo Alamo Formation Tops, 2,238'-1,815', 12 Sacks Class G Cement, 15.8 ppg, 1.15 cu ft/sk yield)**

Pumped plug #2 from 2238' to approx. 1884'. R/D cementers. L/D 13 joints. Reverse circulated at 1848' and TOOH. WOC overnight. TIH and tagged plug #2 at 1815'.

**Plug #3: (Nacimiento Formation Top, 812'-326', 20 Sacks Class G Cement, 15.8 ppg, 1.15 cu ft/sk yield) (Inside/Outside)**

R/U wireline services. RIH and perforated at 747'. R/D wireline. TIH to 812'. R/U cementing services. Pumped cement from 812' to 597'. R/D cementing services. L/D 12 joints. Reverse circulated at 423'. T00H. WOC 4 hours. TIH and tagged plug #3 at 747'. R/U cementing services. Continued pumping plug #3 from 747' to 597'. R/D cementing services. L/D 12 joints. Reverse circulated at 358'. T00H. WOC overnight. TIH and tagged plug #3 at 326'.

**Plug #4: (San Jose Formation Top, 194'-Surface', 69 Sacks Class G Cement, 15.8 ppg, 1.15 cu ft/sk yield) (15 Sacks Class G top off) (Inside/Outside)**

RIH and perforated at 145'. P00H. R/D wireline services. P/U tubing to 194'. R/U cementing services. Successfully circulated water down 1-1/4" tubing, into perforations at 145', and out the BH with 7 bbls, pumped 10 bbls total. Pumped plug #4 down 1-1/4" tubing, into perforations at 145', and out the BH at surface. Shut the BH valve, opened the 2-7/8" casing valve and continued pumping to surface. R/D cementing services. WOC 4 hours. R/U welder on location. Performed WH cut off. Cement was 1' low in 10-3/4" casing, at surface in 5.5" casing, and 46' low in 2-2/8" casing. Weld P&A marker into place per all state and BLM regulations. R/U cementing services. Filled both casing strings and cellar using 1" poly pipe. R/D cementers. R/D unit and equipment. Prepare to MOL.

Completed Wellbore Diagram

Cross Timbers Energy LLC  
MKL #015  
API: 30-039-06747  
Rio Arriba, New Mexico

Surface Casing

10.75" 32# @ 95'

Plug 4

194 feet - Surface  
194 foot plug  
69 Sacks of Class G Cement

Plug 3

812 feet - 326 feet  
486 foot plug  
20 Sacks of Class G Cement

Plug 2

2238 feet - 1815 feet  
423 foot plug  
12 Sacks of Class G Cement

Plug 1

2754 feet - 2478 feet  
276 foot plug  
10 sacks of Class G Cement

Formation Tops

San Jose - Surface  
Nacimiento - 697'  
Ojo Alamo - 1992'  
Kirtland - 2165'  
Fruitland - 2534'  
Pictured Cliffs - 2804'

Intermediate Casing

5.5" 17# @ 2808'  
OH: 7.875"

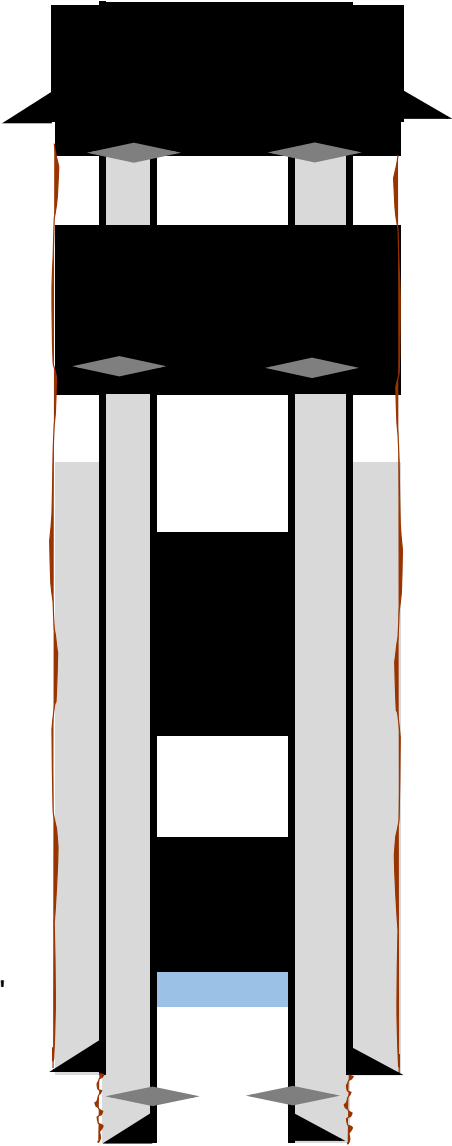
CIBP at 2754'

Perforations

2804 feet - 2822 feet

Production Casing

2.875" 6.5# @ 2888'  
OH: 4.75"



P & A Daily Report



PO Box 538 Farmington, NM 87499 505.327.7301

|            |                      |
|------------|----------------------|
| Company:   | Cross Timbers Energy |
| Well Name: | MKL #015             |
| API #:     | 30-039-06747         |
| Date:      | 8-2-24               |

WORK SUMMARY

Completed pre-trip inspection. Moved unit to location. Held safety meeting. Checked location for H2S and other gas. Checked well pressures. Bleed down well. Spot in unit and equipment. R/U unit and equipment. ND WH, NU BOP, R/U floor and equipment. Change out equipment for 1" tubing. L/D 84 joints of 1" tubing. Shut in and secured well.

PLUG SUMMARY

| Plug No |    | Plug Depth | Sacks of Cement Used |
|---------|----|------------|----------------------|
| Plug 1  | To |            |                      |
| Plug 2  | To |            |                      |
| Plug 3  | To |            |                      |
| Plug 4  | To |            |                      |
| Plug 5  | To |            |                      |
| Plug 6  | To |            |                      |
| Plug 7  | To |            |                      |
| Plug 8  | To |            |                      |
| Plug 9  | To |            |                      |

BRIDGE PLUG/CEMENT RETAINER SUMMARY

| Depth Set |
|-----------|
|           |
|           |
|           |

WELL PRESSURES

|            |       |
|------------|-------|
| Tubing     | 5 psi |
| Casing     | 5 psi |
| Bradenhead | 0 psi |

## P &amp; A Daily Report

**Drake**

WELL SERVICE INC.



PO Box 538 Farmington, NM 87499 505.327.7301

Company: Cross Timbers Energy

Well Name: MKL #015

API #: 30-039-06747

Date: 8-5-24

**WORK SUMMARY**

Arrived on location. Held safety meeting. Checked location for H2S and other gas. Checked well pressures. R/U wireline services. RIH with gauge ring to 2780'. POOH. P/U CIBP. RIH and set CIBP at 2754'. POOH. R/D wireline services. Prepped and tallied 1-1/4" work string. P/U work string to 2754'. R/U cementing services. Circulated well with 10.5 bbls, pumped 16 bbls total. Attempted to pressure test casing but was unsuccessful, 500 psi to 460 psi in 5 minutes. Pumped plug #1 from 2754' to 2434'. R/D cementing services. L/D 11 joints. Reverse circulated at 2368'. TOOH. WOC 4 hours. TIH and tagged plug #1 at 2478'. L/D 7 joints. R/U cementing services. Pumped plug #2 from 2238' to approx. 1884'. R/D cementers. L/D 13 joints. Reverse circulated at 1848' and TOOH. WOC overnight. Shut in and secured well.

**PLUG SUMMARY**

| <u>Plug No</u> |       | <u>Plug Depth</u> |       | <u>Sacks of Cement Used</u> |
|----------------|-------|-------------------|-------|-----------------------------|
| Plug 1         | 2754' | To                | 2478' | 10 sx                       |
| Plug 2         | 2238' | To                | 1884' | 12 sx                       |
| Plug 3         |       | To                |       |                             |
| Plug 4         |       | To                |       |                             |
| Plug 5         |       | To                |       |                             |
| Plug 6         |       | To                |       |                             |
| Plug 7         |       | To                |       |                             |
| Plug 8         |       | To                |       |                             |
| Plug 9         |       | To                |       |                             |

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**

|                  |
|------------------|
| <u>Depth Set</u> |
| 2754'            |
|                  |
|                  |

**WELL PRESSURES**

|            |       |
|------------|-------|
| Tubing     | 0 psi |
| Casing     | 0 psi |
| Bradenhead | 0 psi |

## P &amp; A Daily Report



PO Box 538 Farmington, NM 87499 505.327.7301

|            |                      |
|------------|----------------------|
| Company:   | Cross Timbers Energy |
| Well Name: | MKL #015             |
| API #:     | 30-039-06747         |
| Date:      | 8-6-24               |

**WORK SUMMARY**

Arrived on location. Held safety meeting. Checked location for H2S and other gas. Checked well pressures. TIH and tagged plug #2 at 1815'. L/D 33 joints and TOOH. Attempted to pressure test casing but was unsuccessful, 560 psi to 500 psi in 5 minutes. R/U wireline services. RIH and perforated at 747'. R/D wireline. TIH to 812'. R/U cementing services. Pumped cement from 812' to 597'. R/D cementing services. L/D 12 joints. Reverse circulated at 423'. TOOH. WOC 4 hours. TIH and tagged plug #3 at 747'. R/U cementing services. Continued pumping plug #3 from 747' to 597'. R/D cementing services. L/D 12 joints. Reverse circulated at 358'. TOOH. WOC overnight. Shut in and secured well.

**PLUG SUMMARY**

| <u>Plug No</u> |       | <u>Plug Depth</u> |       | <u>Sacks of Cement Used</u> |
|----------------|-------|-------------------|-------|-----------------------------|
| Plug 1         | 2754' | To                | 2478' | 10 sx                       |
| Plug 2         | 2238' | To                | 1815' | 12 sx                       |
| Plug 3         | 812'  | To                | 597'  | 20 sx                       |
| Plug 4         |       | To                |       |                             |
| Plug 5         |       | To                |       |                             |
| Plug 6         |       | To                |       |                             |
| Plug 7         |       | To                |       |                             |
| Plug 8         |       | To                |       |                             |
| Plug 9         |       | To                |       |                             |

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**

| <u>Depth Set</u> |
|------------------|
| 2754'            |
|                  |
|                  |

**WELL PRESSURES**

|            |       |
|------------|-------|
| Tubing     | 0 psi |
| Casing     | 0 psi |
| Bradenhead | 0 psi |

## P &amp; A Daily Report

**Drake**

WELL SERVICE INC.



PO Box 538 Farmington, NM 87499 505.327.7301

Company: Cross Timbers Energy

Well Name: MKL #015

API #: 30-039-06747

Date: 8-7-24

**WORK SUMMARY**

Arrived on location. Held safety meeting. Checked location for H2S and other gas. Checked well pressures. TIH and tagged plug #3 at 326'. Attempted to pressure test casing but was unsuccessful, 500 psi to 420 psi in 5 minutes. Attempted to pressure test BH but was unsuccessful. With the state and BLM approval, R/U wireline services. RIH and perforated at 145'. POOH. R/D wireline services. P/U tubing to 194'. R/U cementing services. Successfully circulated water down 1-1/4" tubing, into perforations at 145', and out the BH with 7 bbls, pumped 10 bbls total. Pumped plug #4 down 1-1/4" tubing, into perforations at 145', and out the BH at surface. Shut the BH valve, opened the 2-7/8" casing valve and continued pumping to surface. R/D cementing services. WOC 4 hours. Dig around WH. R/D floor and equipment. ND BOP, NU WH. R/U welder on location. Performed WH cut off. Cement was 1' low in 10-3/4" casing, at surface in 5.5" casing, and 46' low in 2-2/8" casing. Weld P&A marker into place per all state and BLM regulations. R/U cementing services. Filled both casing strings and cellar using 1" poly pipe. R/D cementers. R/D unit and equipment. Prepare to MOL.

**PLUG SUMMARY**

| <u>Plug No</u> | <u>Plug Depth</u> |            | <u>Sacks of Cement Used</u> |
|----------------|-------------------|------------|-----------------------------|
| Plug 1         | 2754'             | To 2478'   | 10 sx                       |
| Plug 2         | 2238'             | To 1815'   | 12 sx                       |
| Plug 3         | 812'              | To 326'    | 20 sx                       |
| Plug 4         | 194'              | To Surface | 69 sx (15 for top off)      |
| Plug 5         |                   | To         |                             |
| Plug 6         |                   | To         |                             |
| Plug 7         |                   | To         |                             |
| Plug 8         |                   | To         |                             |
| Plug 9         |                   | To         |                             |

**BRIDGE PLUG/CEMENT RETAINER SUMMARY**

|                  |
|------------------|
| <u>Depth Set</u> |
| 2754'            |
|                  |
|                  |

**WELL PRESSURES**

|            |       |
|------------|-------|
| Tubing     | 0 psi |
| Casing     | 0 psi |
| Bradenhead | 0 psi |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 378404

CONDITIONS

|                                                                                       |                                                |
|---------------------------------------------------------------------------------------|------------------------------------------------|
| Operator:<br>CROSS TIMBERS ENERGY, LLC<br>400 West 7th Street<br>Fort Worth, TX 76102 | OGRID:<br>298299                               |
|                                                                                       | Action Number:<br>378404                       |
|                                                                                       | Action Type:<br>[C-103] Sub. Plugging (C-103P) |

CONDITIONS

| Created By | Condition             | Condition Date |
|------------|-----------------------|----------------|
| mkuehling  | well plugged 8/7/2024 | 9/27/2024      |