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

# Sundry Print Report

09/10/2024

**Well Name:** TRISTE DRAW 36-25 FEDERAL COM

**Well Location:** T23S / R32E / SEC 36 / SESW / 32.257262 / -103.629024

**County or Parish/State:** LEA / NM

**Well Number:** 352H

**Type of Well:** OIL WELL

**Allottee or Tribe Name:**

**Lease Number:** NMLC063228

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 300255312100X1

**Operator:** CIMAREX ENERGY COMPANY

## Subsequent Report

**Sundry ID:** 2810671

**Type of Submission:** Subsequent Report

**Type of Action:** Drilling Operations

**Date Sundry Submitted:** 09/09/2024

**Time Sundry Submitted:** 03:59

**Date Operation Actually Began:** 08/31/2024

**Actual Procedure:** Surface Casing - 8/31/24 Spud well. 8/31/24-9/3/24 TD 17-1/2” hole @ 1383'. RIH w/ 13-3/8” 48# J-55 ST&C @ 1373’. Lead: 923 sacks, 281 bbls, Blend, 13.5 ppg, Yield @ 1.71 ft³/sk, water @ 9.01 gal/sk. Mixed at 6 bpm with Full returns, Circ. 192 bbls, Est. Top 0 ft, Method Visual. Tail: 429 sacks, 106 bbls, Blend, 14.5 ppg, Yield @ 1.39 ft³/sk, water @ 6.83 gal/sk. Mixed at 6 bpm with Full returns, Est. Top 820 ft, Method Calculation. 192 bbls /630 sks of Cement to Surface. Perform Green Cement Test. Pressure Up To 1,522 psi, 30 Minute Final Pressure 1548 psi. Good Test.

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**Operator:** CIMAREX ENERGY COMPANY

## 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:** ALESHA JONES

**Signed on:** SEP 09, 2024 03:59 PM

**Name:** CIMAREX ENERGY COMPANY

**Title:** Authorized Agent

**Street Address:** 85 S 200 E

**City:** VERNAL **State:** UT

**Phone:** (435) 789-1017

**Email address:** ACHANDLER@UINTAHGROUP.COM

## Field

**Representative Name:**

**Street Address:**

**City:** **State:** **Zip:**

**Phone:**

**Email address:**

## BLM Point of Contact

**BLM POC Name:** JONATHON W SHEPARD

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752345972

**BLM POC Email Address:** jshepard@blm.gov

**Disposition:** Accepted

**Disposition Date:** 09/10/2024

**Signature:** Jonathon Shepard

# Laboratory Cement Test Report
## MIX 2024-2356–Coterra–Cactus 163–Triste Draw 36 25 Federal Com 352H–Surface–FB Lead
## Service Order: 85433

| | | | |
|---|---|---|---|
| Date: Aug-30-2024 | Casing: 10.75 | District: ANM | Reported By: J. Flores |
| | | | Design Input By: Maksatmyrat Hanov |
| BHCT / BHST | 100 / 90 °F | BHP: 1,000 psi | MD / TVD: 1,320.00 / 1,320.00 ft |

## Composition

| | | | | | |
|---|---|---|---|---|---|
| Slurry Density | 13.50 lb/gal | Yield | 1.71 ft³/sk of blend | Mix Fluid | 9.029 gal/sk Sack Of Blend |
| Solid Vol. Fraction | 28.58 % | Slurry Type | Lead | Mix Water | 9.009 gal/sk Sack Of Blend |
| Blend Sack | 94.00 lb | Blend Density | 197.28 lb/ft³ | | |

| Code | Concentration | Component | Lot Number |
|---|---|---|---|
| D903 | 100.00 % BVOB | Cement | FB 2691 |
| D020 | 2.00 % BWOB | Extender | 6Y04053328 |
| D065 | 0.10 % BWOB | Dispersant | 504311 |
| D130 | 0.130 lb/sk WBWOB | Lost Circulation Control Agent | 13360-8562 |
| S001 | 2.00 % BWOB | CaCl2 | LJ05CC42 |
| D047 | 0.020 gal/sk VBWOB | Anti Foam | D009N7907 |
| Rig Water | 9.009 gal/sk of blend | Base Fluid | Rig |

**Surface Rheology**

| (rpm) | Up (deg) | Down (deg) | Average (deg) |
|---|---|---|---|
| 300 | 16 | 16 | 16 |
| 200 | 13 | 12 | 12 |
| 100 | 10 | 10 | 10 |
| 60 | 8 | 7 | 8 |
| 30 | 7 | 6 | 6 |
| 6 | 5 | 5 | 5 |
| 3 | 4 | 4 | 4 |
| 10 sec Gel | 4 deg - 4 lbf/100ft² | | |
| 10 min Gel | 12 deg - 13 lbf/100ft² | | |
| Bingham $P_V$ | 11 cP | | |
| Bingham $T_y$ | 5 lbf/100ft² | | |
| Measured Temp | 80 °F | | |
| Viscometer S/N: 1044 \| R1B1 F1.0 | | | |

**Downhole Rheology**

| (rpm) | Up (deg) | Down (deg) | Average (deg) |
|---|---|---|---|
| 300 | 27 | 27 | 27 |
| 200 | 23 | 22 | 23 |
| 100 | 18 | 17 | 18 |
| 60 | 16 | 15 | 16 |
| 30 | 13 | 13 | 13 |
| 6 | 7 | 9 | 8 |
| 3 | 5 | 6 | 6 |
| 10 sec Gel | 6 deg - 6 lbf/100ft² | | |
| 10 min Gel | 10 deg - 11 lbf/100ft² | | |
| Bingham $P_V$ | 19 cP | | |
| Bingham $T_y$ | 9 lbf/100ft² | | |
| Measured Temp | 100 °F | | |
| Viscometer S/N: 1044 \| R1B1 F1.0 | | | |

### Free Fluid

| |
|---|
| (0%) 0 / 250 in 2 hrs at 80 °F and 0 deg inclination |
| Sedimentation: None |
| Test Method: Unknown |
| Cylinder Dimensions: 250mL: 35 mm x 245 mm |

### UCA S/N: 715-L

| Time | CS | Temp |
|---|---|---|
| 01:55 hr:mn | 50 psi | 90 degF |
| 07:14 hr:mn | 500 psi | 90 degF |
| 24:00 hr:mn | 1346 psi | 90 degF |

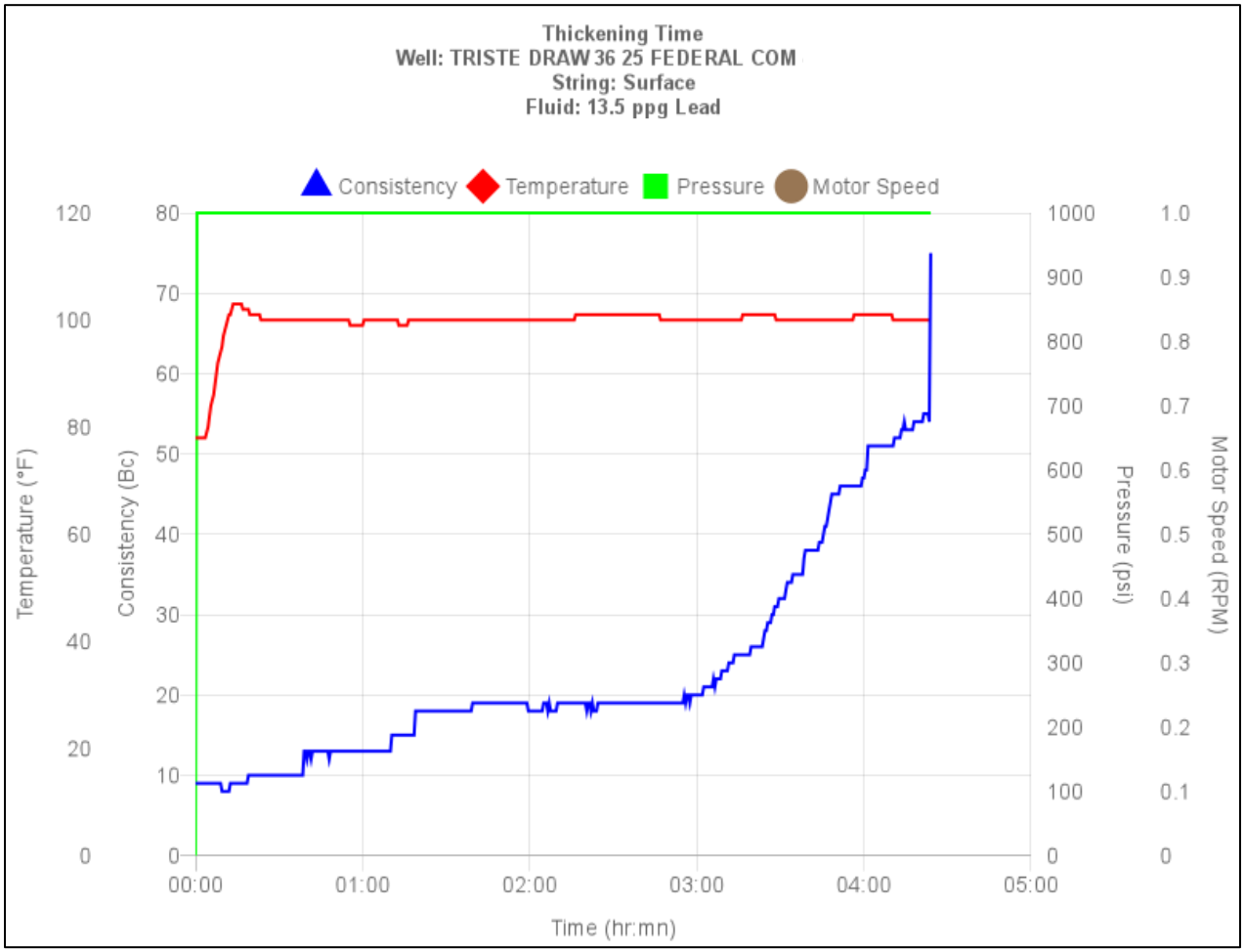
### Thickening Time Test ID: 5483819

| Consistency | Time |
|---|---|
| KSQR TT | 03:31 to 04:31 hr:mn |
| POD | 02:59 hr:mn |
| 30 Bc | 03:27 hr:mn |
| 50 Bc | 04:01 hr:mn |
| 70 Bc | 04:23 hr:mn |
| Go/No-Go | N/A |
| Consistometer S/N | 431 |
| Set Conditions | Thick (Gelled) |

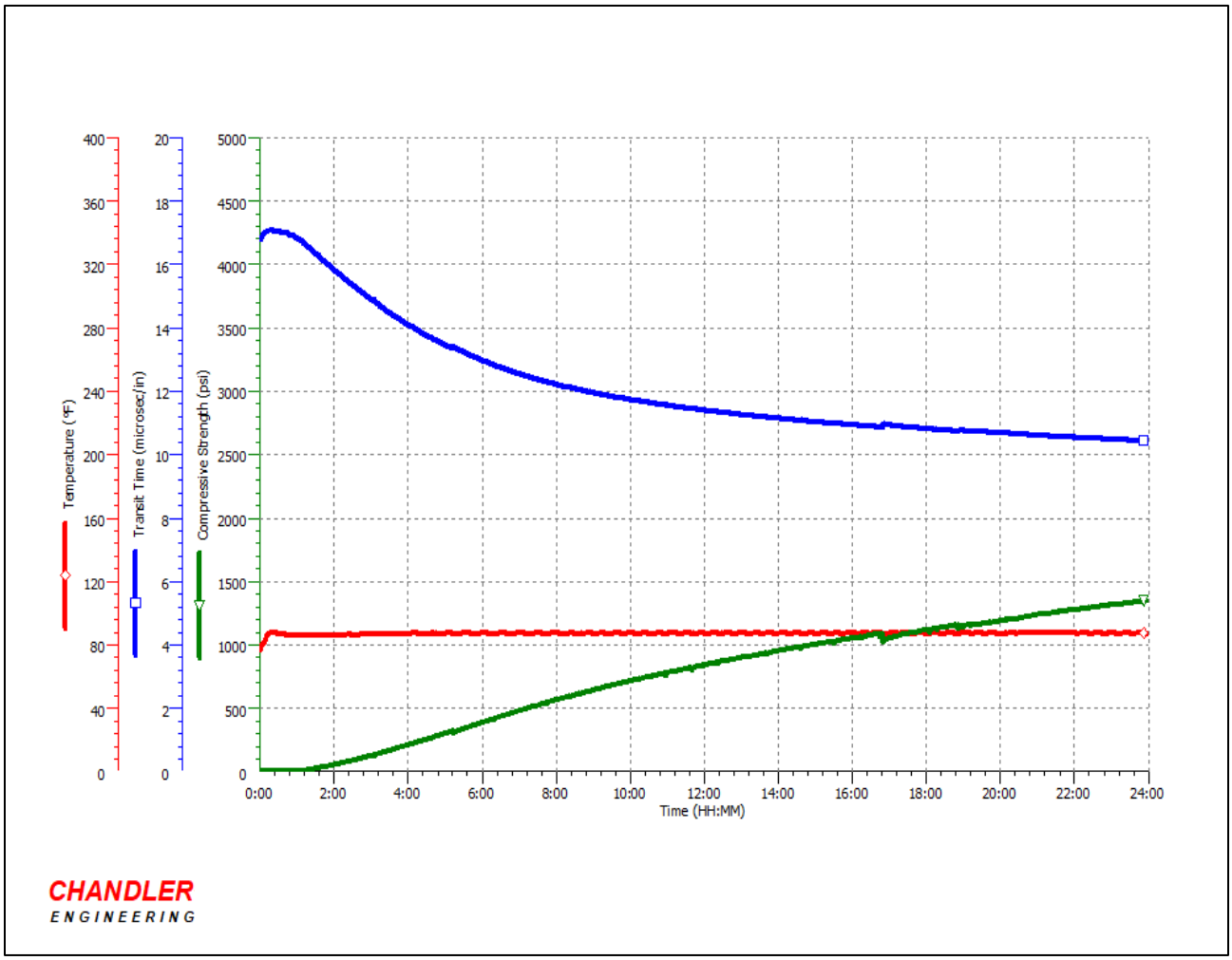
### Comments

All slurries prepared and tested in accordance with RP 10B-2 unless otherwise noted and SLB WIT Laboratory Standard Work Instructions.
Mixability assessment: **00:09 mn:sc** to add solids to blender. Vortex quality was **good/visible** after all solids added.
Liquid additives (if used) are added to the mix water prior to adding dry blend in the blender first at 4000rpm.

### Thickening Time Graph



**UCA Graph**



# Laboratory Cement Test Report
## MIX 2024-2356–Coterra–Cactus 163–Triste Draw 36 25 Federal Com 352H–Surface–FB 14.5ppg Tail
## Service Order: 85433

| | | | |
|---|---|---|---|
| Date: Aug-30-2024 | Casing: 13.375 | District: ANM | Reported By: J. Flores |
| | | | Design Input By: Maksatmyrat Hanov |
| BHCT / BHST | 100 / 90 °F | BHP: 1,000 psi | MD / TVD: 1,320.00 / 1,320.00 ft |

## Composition

| | | | | | |
|---|---|---|---|---|---|
| Slurry Density | 14.50 lb/gal | Yield | 1.39 ft³/sk of blend | Mix Fluid | 6.834 gal/sk Sack Of Blend |
| Solid Vol. Fraction | 34.37 % | Slurry Type | Tail | Mix Water | 6.814 gal/sk Sack Of Blend |
| Blend Sack | 94.00 lb | Blend Density | 197.28 lb/ft³ | | |

| Code | Concentration | Component | Lot Number |
|---|---|---|---|
| D903 | 100.00 % BWOB | Cement | FB 2693 |
| D130 | 0.130 lb/sk WBWOB | Lost Circulation Control Agent | 13360-8562 |
| D047 | 0.020 gal/sk VBWOB | Anti Foam | D009L10L58 |
| Fresh Water | 6.814 gal/sk of blend | Base Fluid | Tap |

**Surface Rheology**

| (rpm) | Up (deg) | Down (deg) | Average (deg) |
|---|---|---|---|
| 300 | 34 | 34 | 34 |
| 200 | 28 | 28 | 28 |
| 100 | 2 | 21 | 12 |
| 60 | 21 | 18 | 20 |
| 30 | 19 | 15 | 17 |
| 6 | 10 | 11 | 11 |
| 3 | 8 | 9 | 9 |
| 10 sec Gel | 8 deg - 9 lbf/100ft² | | |
| 10 min Gel | 23 deg - 24 lbf/100ft² | | |
| Bingham $P_V$ | 23 cP | | |
| Bingham $T_y$ | 11 lbf/100ft² | | |
| Measured Temp | 80 °F | | |
| Viscometer S/N: 1346 \| R1B1 F1.0 | | | |

**Downhole Rheology**

| (rpm) | Up (deg) | Down (deg) | Average (deg) |
|---|---|---|---|
| 300 | 80 | 80 | 80 |
| 200 | 72 | 72 | 72 |
| 100 | 59 | 60 | 60 |
| 60 | 50 | 53 | 52 |
| 30 | 43 | 45 | 44 |
| 6 | 22 | 21 | 22 |
| 3 | 10 | 12 | 11 |
| 10 sec Gel | 14 deg - 15 lbf/100ft² | | |
| 10 min Gel | 20 deg - 21 lbf/100ft² | | |
| Bingham $P_V$ | 60 cP | | |
| Bingham $T_y$ | 29 lbf/100ft² | | |
| Measured Temp | 100 °F | | |
| Viscometer S/N: 1346 \| R1B1 F1.0 | | | |

## Free Fluid

| |
|---|
| (0%) 0 / 250 in 2 hrs at 80 °F and 0 deg inclination |
| Sedimentation: None |
| Test Method: Ambient |
| Cylinder Dimensions: 250mL: 35 mm x 245 mm |

## UCA Compressive Strength

| Time | Compressive Strength | Temperature |
|---|---|---|
| 01:58 hr:mn | 50 psi | 87degF |
| 07:25 hr:mn | 500 psi | 87degF |
| 24:00 hr:mn | 1259 psi | 87degF |
| Machine S/N: | 944R | |

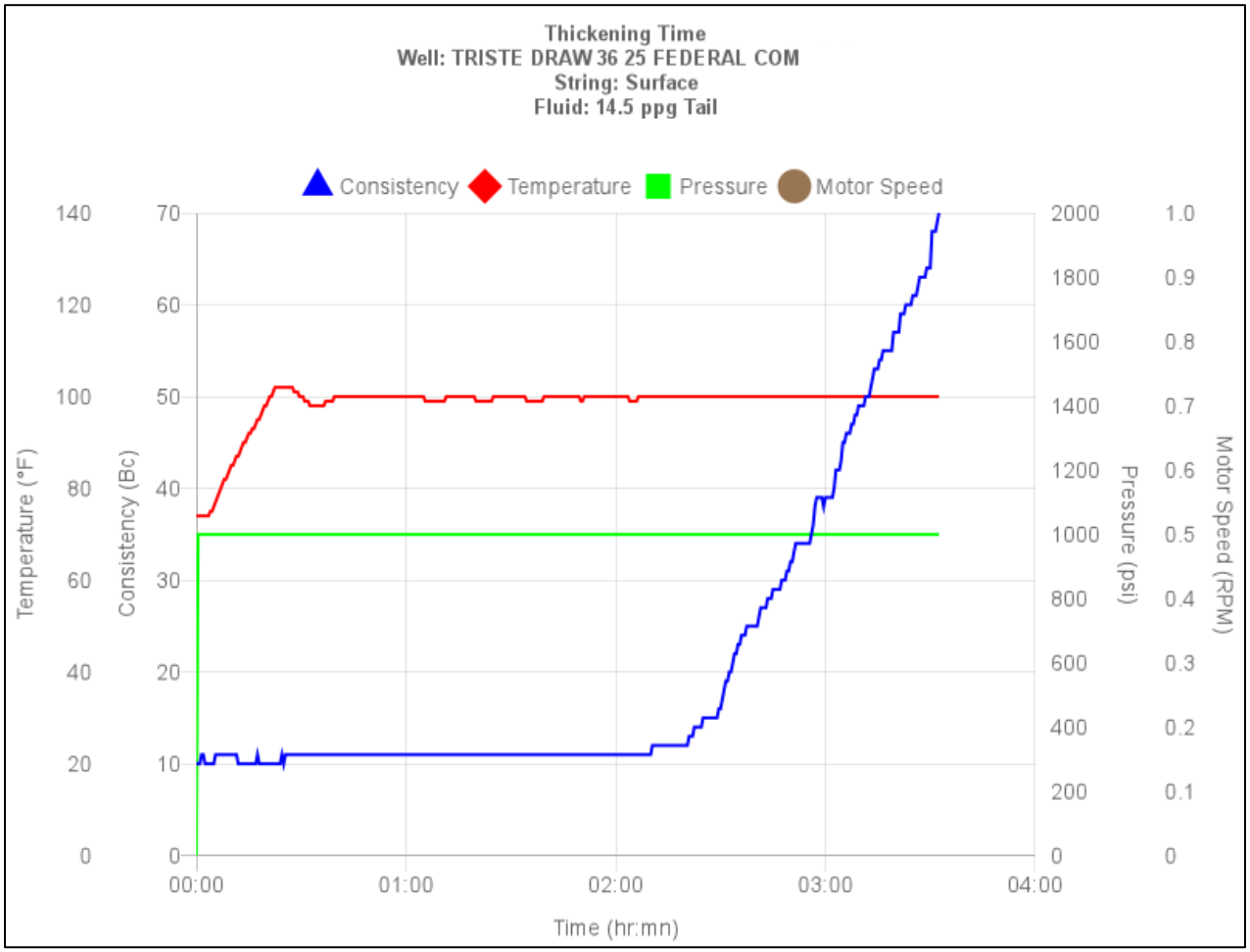
## Thickening Time Test ID: 5483819

| Consistency | Time |
|---|---|
| KSQR TT | 03:07 to 04:07 hr:mn |
| POD | 02:22 hr:mn |
| 30 Bc | 02:47 hr:mn |
| 50 Bc | 03:11 hr:mn |
| 70 Bc | 03:32 hr:mn |
| Go/No-Go | N/A |
| Consistometer S/N | 431 |
| Set Conditions | Thick Gelled |

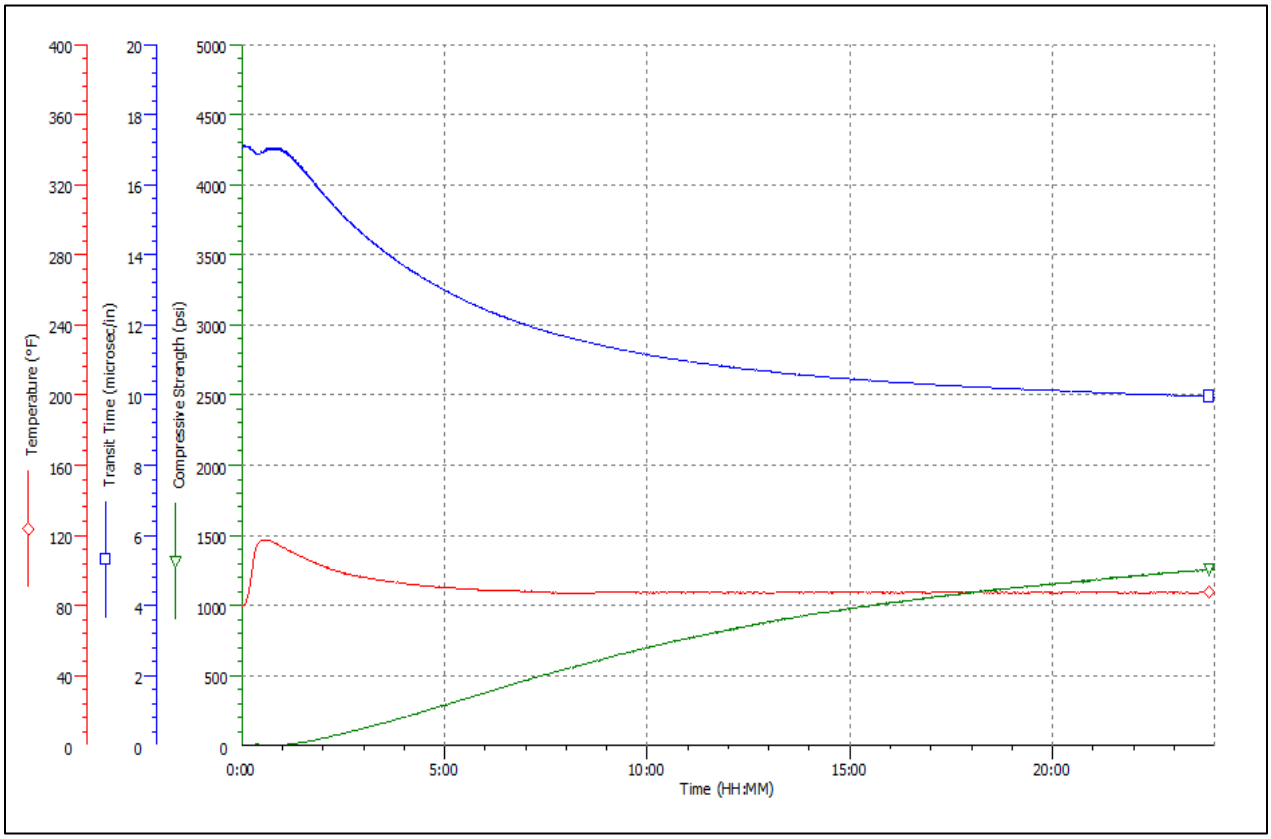
## Comments

All slurries prepared and tested in accordance with RP 10B-2 unless otherwise noted and SLB WIT Laboratory Standard Work Instructions.
Mixability assessment: **00:13 mn:sc** to add solids to blender. Vortex quality was **good/visible** after all solids added.
Liquid additives (if used) are added to the mix water prior to adding dry blend in the blender first at 4000rpm.

## Thickening Time Graph



**UCA Graph**



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:<br>CIMAREX ENERGY CO.<br>6001 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>215099 |
| | Action Number:<br>400517 |
| | Action Type:<br>[C-103] Sub. Drilling (C-103N) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| sarah.clelland | None | 12/5/2024 |