

Well Name: CASCADE 29 FEDERAL	Well Location: T25S / R33E / SEC 29 / SWSW / 32.095392 / -103.601466	County or Parish/State: LEA / NM
Well Number: 18H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM43562	Unit or CA Name:	Unit or CA Number:
US Well Number: 300255078700X1	Operator: CIMAREX ENERGY COMPANY	

Subsequent Report

Sundry ID: 2860053

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 06/25/2025	Time Sundry Submitted: 12:04
Date Operation Actually Began: 09/02/2023	

**Actual Procedure:** Resubmittal per OCD request, update to sundry ID #2749950 Production Casing - 9/2/23 - 9/6/23 TD 6 3/4" hole @ 17355'. RIH w/ 5" 18# P-110 RY DWC/C-IS Plus csg & set @ 17345'. Tail: 589 sacks, 138 bbls, Blend, 14.5 ppg, Yield @ 1.32 ft³/sk, water @ 6.22 gal/sk. Mixed at 6 bpm with Full returns. Pumped Cement Job with Full Returns. Received No Spacer or Cement to Surface. High Pressure Test 7500 psi - Good RR 9/6/2023

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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: JUN 25, 2025 12:04 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: 07/01/2025
Signature: Jonathon Shepard	

**Laboratory Cement Test Report**  
**MIX 2023-2876 – Cimarex – Cactus 163 – Cascade 29 Federal 018H – Production – 14.5 ppg Tail**  
**Service Order: 73940**

Date: Sep-04-2023	Casing: 5" x 5.5" Tapered Longstring	District: WTX MIX	Reported By: N.Galue
BHCT / BHST	170 / 173 °F	BHP: 11,500 psi	Design Input By: Al Hasan Al Haifi
			MD / TVD: 17,322.00 / 12,350.00 ft

**Composition FB Version 3**

Slurry Density	14.50 lb/gal	Yield	1.32 ft³/sk of blend	Mix Fluid	6.216 gal/sk SackOfBlend
Solid Vol. Fraction	36.35 %	Slurry Type	Single System	Mix Water	6.196 gal/sk SackOfBlend
Blend Sack	90.50 lb	Blend Density	189.09 lb/ft³		

Code	Concentration	Component	Lot Number
D909	75.00 % BVOB	Cement	FB9136
B721	25.00 % BVOB	Extender	FB9136
D065	0.20 % BWOB	Dispersant	495407
D167A	0.30 % BWOB	Fluid loss	PPRM1769-1
D208	0.05 % BWOB	Viscosifier	3A9368W
D013	0.10 % BWOB	Retarder	0IR-04003
D047	0.020 gal/sk VBWOB	Anti-Foam	D009M3947
Rig Water	6.196 gal/sk of blend	Base Fluid	Rig

Surface Rheology			
(rpm)	Up (deg)	Down (deg)	Average (deg)
300	90	90	90
200	69	69	69
100	45	44	45
60	33	33	33
30	25	24	25
6	12	13	12
3	10	11	11
10 sec Gel	13 deg - 14 lbf/100ft²		
10 min Gel	42 deg - 45 lbf/100ft²		
Bingham P <sub>v</sub>	79 cP		
Bingham T <sub>y</sub>	14 lbf/100ft²		
Measured Temp	80 °F		
Viscometer S/N: 1044   R1B1 F1.0			

Downhole Rheology			
(rpm)	Up (deg)	Down (deg)	Average (deg)
300	54	54	54
200	42	40	41
100	31	30	31
60	24	21	23
30	18	17	18
6	14	12	13
3	11	9	10
10 sec Gel	9 deg - 10 lbf/100ft²		
10 min Gel	31 deg - 33 lbf/100ft²		
Bingham P <sub>v</sub>	42 cP		
Bingham T <sub>y</sub>	13 lbf/100ft²		
Measured Temp	170 °F		
Viscometer S/N: 1044   R1B1 F1.0			

Free Fluid

(0%) 0 / 250 in 2 hrs at 80 °F and 45 deg inclination
Sedimentation: None
Test Method: Ambient
Cylinder Dimensions: 250mL: 35 mm x 245 mm

Fluid Loss

API Calculated Fluid Loss 76.00 mL
38.00 mL collected in 30 mins at 170 °F
Filter Cake - Height: 1 in. Consistency: Hard
Static press was utilized with temp measured in jacket wall

Thickening Time Test ID: Thickening Time 1 - 4637453

Consistency	Time
KSQR TT	03:38 to 04:38 hr:mn
POD	04:13 hr:mn
30 Bc	04:46 hr:mn
50 Bc	05:04 hr:mn
70 Bc	05:24 hr:mn
Go/No-Go	Motor off at 01:05 for 00:10
Consistometer S/N	719
Set Conditions	Thick (Gelled)

UCA Compressive Strength Test ID: UCA 1

Time	CS	Temp
09:44 hr:mn	50 psi	173 °F
14:07 hr:mn	500 psi	173 °F
24:00 hr:mn	801 psi	173 °F
48:00 hr:mn	994 psi	173 °F
Machine S/N:	868-R	

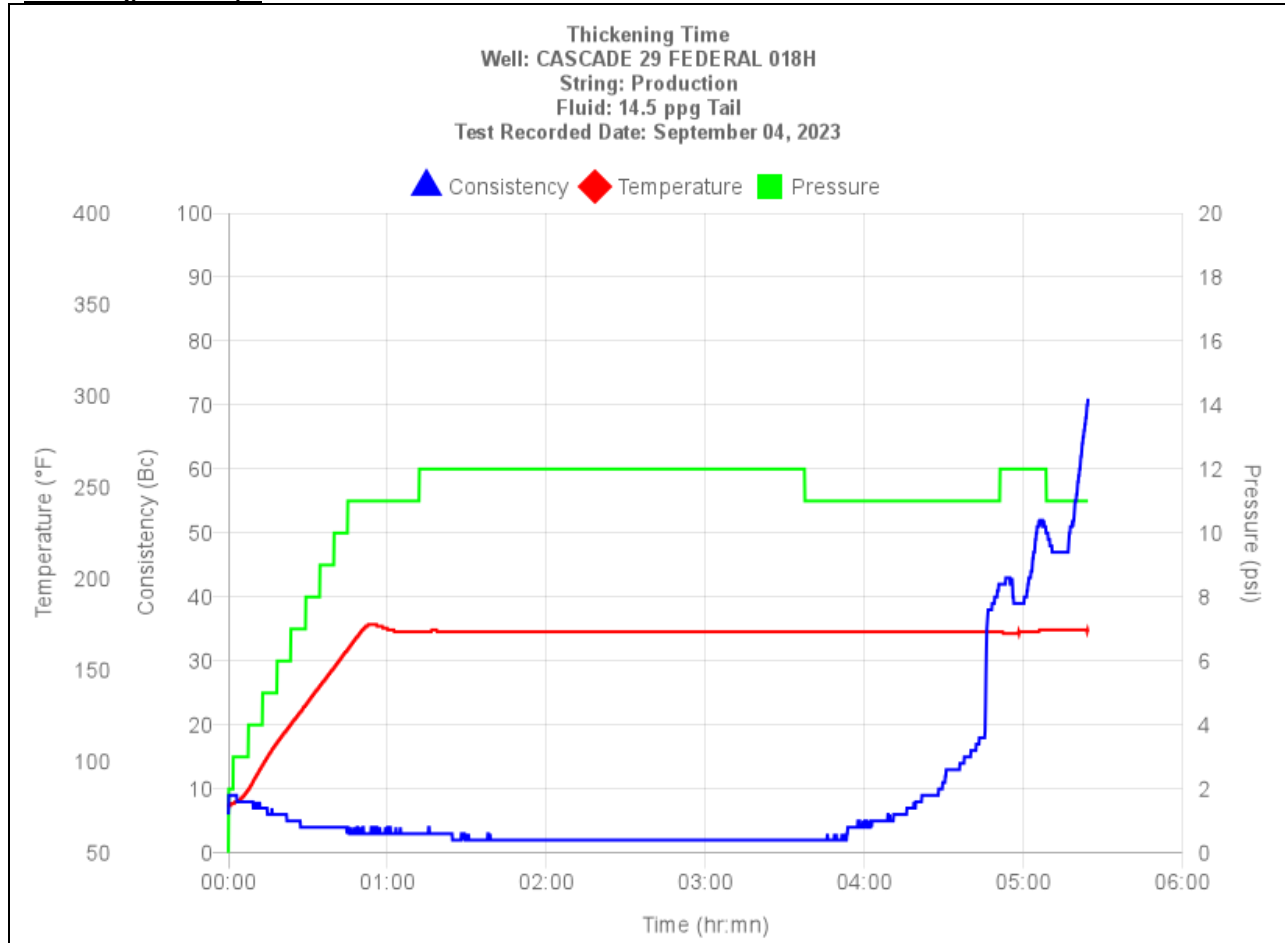
Comments

All slurries prepared and tested in accordance with RP 10B-2 unless otherwise noted and SLB WIT Laboratory Standard Work Instructions.

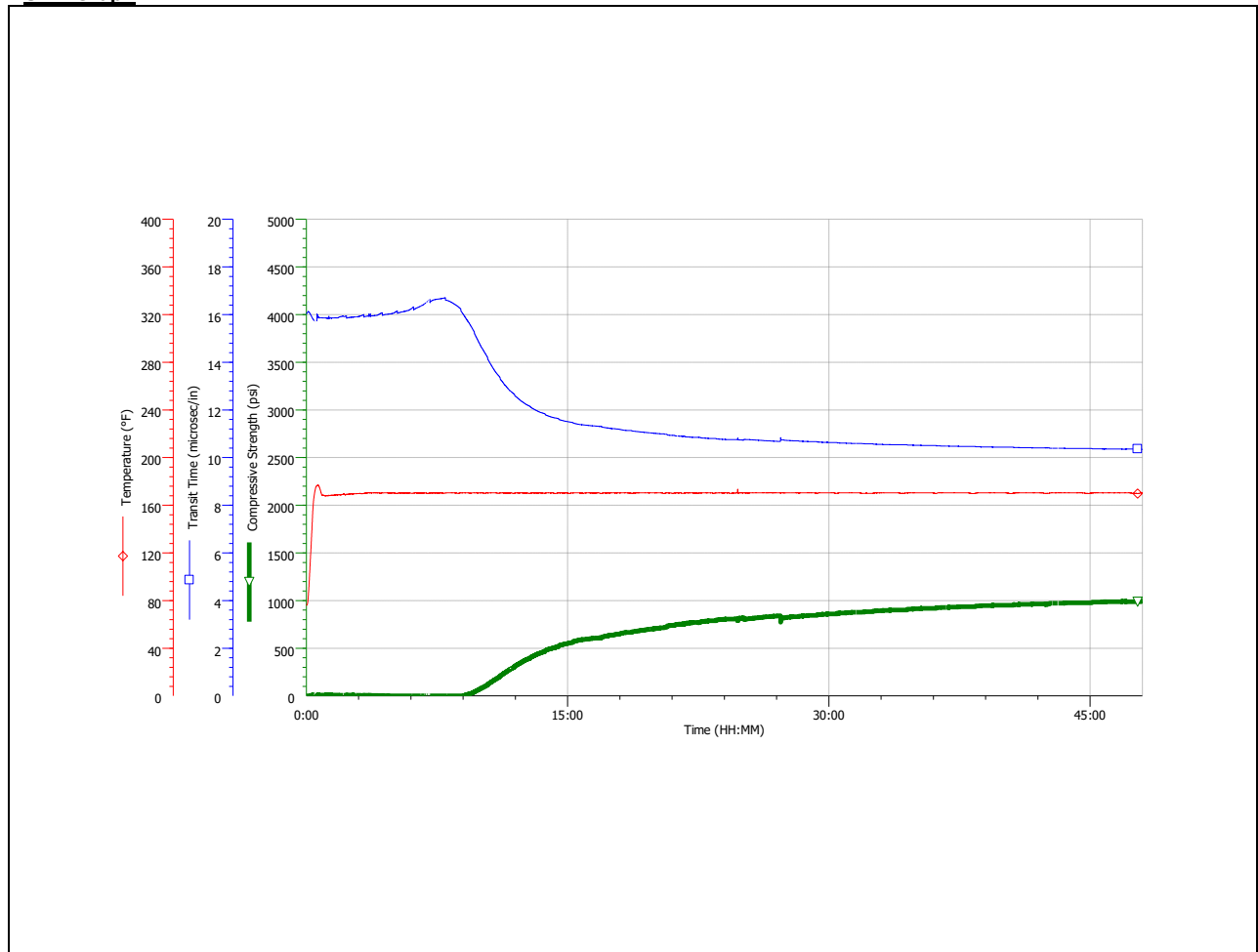
Mixability assessment: **00:15 mn:sc** to add solids to blender. Vortex quality was **good/visible** after all solids added.

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

Action 481112

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 481112
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Report pressure test of production casing on completion sundry. Pressure test should include volume of pressure, duration of test and results. Include TOC and how it was determined on completion sundry.	7/7/2025