



Job Summary

Ticket Number	Ticket Date
TN# BCO-2308-0018	8/5/2023

COUNTY	COMPANY	API Number
ADAMS (CO)	PDC ENERGY	500107238
WELL NAME	RIG	JOB TYPE
STATE-FERGUSON 1	Ensign	CM-SQUEEZE JOB
SURFACE WELL LOCATION	CJES Field Supervisor	CUSTOMER REP
39.91705 -104.84312	Anthony Staples	Bud Holman

EMPLOYEES		
MIKE ARTHUR	OSCAR QUERALES	
MARTIN VASQUEZ		
ISREAL CALDERON		

WELL PROFILE			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	
Bottom Hole Circulating Temperature (°F):		Well Type:	

Open Hole					
1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
2	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

Casing/Tubing/Drill Pipe							
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Surface	8.625	24		0	14	0	14
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)

CEMENT DATA

Stage 1:	From Depth (ft):	14	To Depth (ft):	0
Type: Shoe Plugs	Volume (sacks):	7	Volume (bbls):	1.5
Cement & Additives:				
100% NCM-914 + .4% NFL-551 + 4% NAC-101 + 2% NAC-110				
	Density (ppg)	Yield (ft³/sk)	Water Req.	
	15.8	1.21	5.13	

Stage 2:	From Depth (ft):		To Depth (ft):	
Type: Surface Plug	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
	Density (ppg)	Yield (ft³/sk)	Water Req.	

Stage 3:	From Depth (ft):		To Depth (ft):	
Type: Top Off	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
	Density (ppg)	Yield (ft³/sk)	Water Req.	

Stage 4:	From Depth (ft):		To Depth (ft):	
Type:	Volume (sacks):		Volume (bbls):	
Cement & Additives:				
	Density (ppg)	Yield (ft³/sk)	Water Req.	

SUMMARY

Preflushes:	1.5 bbls of		Calculated Displacement (bbl):	1.5	Stage 1	Stage 2
	1.5 bbls of		Actual Displacement (bbl):	1.5		
	1.5 bbls of		Plug Bump (Y/N):	Y	Bump Pressure (psi):	894
Total Preflush/Spacer Volume (bbl):	1.5		Lost Returns (Y/N):	N	(if Y, when)	
Total Slurry Volume (bbl):						
Total Fluid Pumped						
Returns to Surface:						

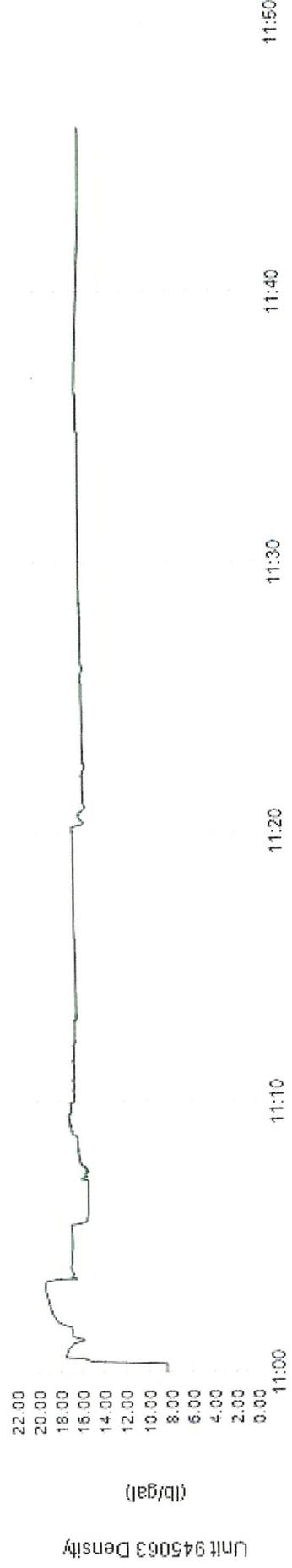
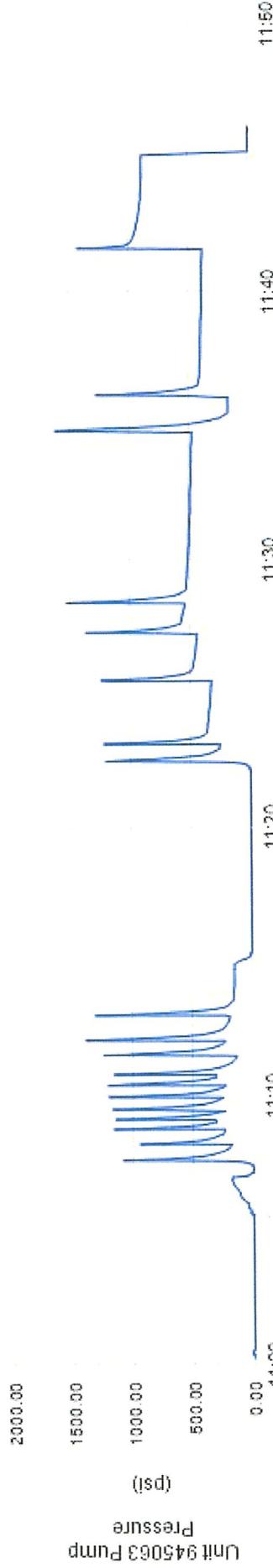
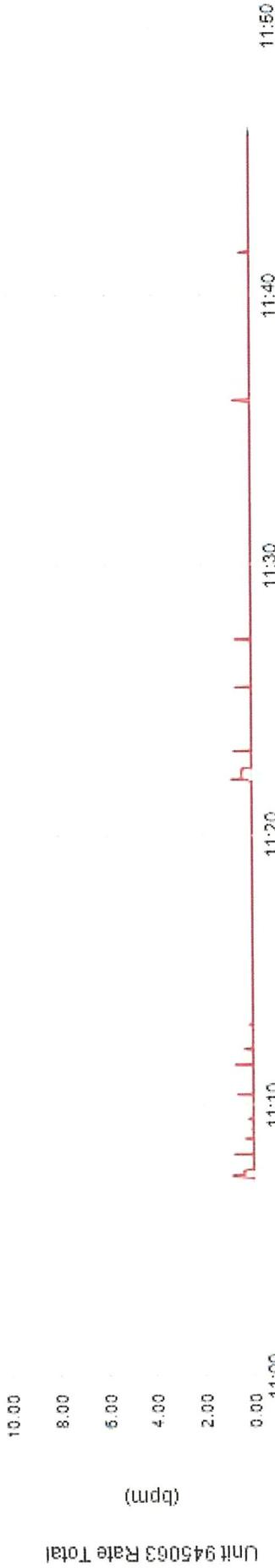
Job Notes (fluids pumped / procedures / tools / etc.): **Pumped 7sks (1.5 bbls) of 15.8# Cement from 14 ft to Surface. Initial amount of Cement pumped was 1 bbl before pressured out waited until pressure came down then pumped again took this approach for a total of 1.5 bbls. Shut well in at 894 psi.**

Customer Representative Signature: _____ **Thank You For Using NexTier Completion Solutions**

NEXTIER

Client PDC
Ticket No. 23080018
Location Comments
Supervisor ANTHONY STAPLES
Unit No. 945063
Service District BRIGHTON
Job Date 08/05/2023

Client Rep BUD
Well Name STATE FERGUSON 1-5
Job Type Abandonment Plugs



Cement Job Log



NexTier Completion Solutions
3990 Rogerdale Rd., Houston, TX 77042
(713)325-6000

Customer: PDC ENERGY	Date: 5-Aug-23	Serv. Supervisor: Anthony Staples
Cust. Rep.: Bud Holman	Ticket #: BCO-2308-0018	Serv. Center: Brighton - 3021
Well Name: STATE-FERGUSON 1	API Well #: 500107238	County: ADAMS (CO) State: COLORADO
Well Type: Oil	Rig: Ensign	Type of Job: CM-SQUEEZE JOB

Materials Furnished by NexTier

Plugs	Casing Hardware	Physical Slurry Properties							
		Sacks of Cement	Fluid Density (lb/gal)	Excess	Yield (cuft/sk)	Mix Water (gal/sk)	Fluid Volume (bbls)	Fluid Volume (cuft)	Mix Water (bbls)
0						-		-	
0						-		-	
0						-		-	
5 bbls Water - Spacer						-	5.00	-	
Slurry - 25 sks Min Surface AGM Blend	100 % NCM-914 +0.4 % NFL-551+4.0 % NAC-101+2.0 % NAC-110	25	15.8		1.21	5.13	5.38	30.21	3
						-		-	
						-		-	
						-		-	
						-		-	
						-		-	
						-		-	
						-		-	
						-		-	
						-		-	

Displacement Chemicals:

OPEN HOLE DATA						TUBULAR DATA						
Ambient Tmp.	Bulk Tmp.	Slurry 1 Tmp.	Slurry 2 Tmp.	Slurry 3 Tmp.	Slurry 4 Tmp.	SIZE WEIGHT	THRD	DEPTH (ft)	GRADE	ID (in)	BURST (psi)	COLLAPSE (psi)
70.0 °F		90.0 °F										

PREVIOUS CASING DATA		PERFORATED INTERVAL DATA				CASING EQUIPMENT DEPTHS			
8.625 in. 24# (0 to 14 ft)		TOP	BTM	SPF	SIZE	SHOE	FLOAT	STAGE	ACP

WELL FLUID			DISPLACEMENT FLUID			DIFF PRESS (psi)	CSG LIFT (psi)	MAX PRESS (psi)	Mix H2O Chlorides (ppm)	Mix H2O pH	Mix H2O Temp	WATER ON LOC (bbl)
TYPE	DENSITY	VOLUME	TYPE	DENSITY								
H2O	8.4 ppg		H2O	8.3 ppg				1300				40

Bumped Plug	Final Differential (psi)	Floats Held (Y/N)	PSI Left on Casing	Cement to Surface (bbl)	Top of Cement (ft)	Full Circ. During Job (Y/N)	Max Pump Pressure (psi)	Casing Rotation	Additional Hrs Charged (hrs)	Casing Reciprocation	Rathole Length (ft)
			894.00		-	Yes	1,300.00	No	2.00	No	

Comments/Additional Details:

	Anthony Staples Service Supervisor	5-Aug-23 Date
--	--	-------------------------

