



5.5" Production

Cement Post Job Report

Prepared For: Mr. James Jackson
Prepared Date: 7/14/2017
Job Date: 7/13/2017

Ward Petroleum

Ritchey 26-1-22HC

Weld County, Colorado

Prepared By: Matt Spirek
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Email: matt.spirek@otexpumping.com



Job Summary

Ticket Number		Ticket Date	
TN#	FL2026	7/13/2017	
COUNTY	COMPANY	API Number	
Weld	Ward Petroleum	05-123-44767	
WELL NAME	RIG	JOB TYPE	
Ritchey 26-1-22HC	Precision 460	Production	
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP	
NWNW S26 - T1N - R66W	Laeger, Kacey	Marvin Hackworth	
EMPLOYEES			
Peterson, Ryan			
Devine, Rich		Clark, John	
WELL PROFILE			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	
		240	
Bottom Hole Circulating Temperature (°F):		Well Type:	
		Oil	

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	8.5	1500	12563		
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	9.625	36	J-55	0	1500		
Type	Size (in)	Weight (lb/ft)	Grade	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
Production	5.5	20	P-110	0	12538.5		
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):	0	To Depth (ft):	6276		
Type: Lead	Volume (sacks):	760	Volume (bbls):	264		
Cement & Additives:				Density (ppg)	Yield (ft³/sk)	Water Req.
100% 50:50:0(POZ:Type III:GEL)+0.2% WG-4P+2% FWC-2+0.5% FL-17+0.2% MCR-4+0.25#/sx Cello Flake+0.01-GPS CF-41L				12	1.95	10.79
Stage 2:	From Depth (ft):	6276	To Depth (ft):	12563		
Type: Tail	Volume (sacks):	800	Volume (bbls):	256.5		
Cement & Additives:				Density (ppg)	Yield (ft³/sk)	Water Req.
100% 35:65:0(POZ:G:GEL)+25% Silica Flour+0.2% WG-4P+0.7% FL-17+0.2% C-49+0.15% MCR-4+0.25#/sx Cello Flake				13.5	1.80	8.77

SUMMARY

Preflushes:	30 bbls of	Mudflush	Calculated Displacement (bbl):	277	Stage 1	Stage 2
	30 bbls of	Weighted Spacer	Actual Displacement (bbl):	277		
	bbls of					
Total Preflush/Spacer Volume (bbl):	60		Plug Bump (Y/N):	n	Bump Pressure (psi):	2650
Total Slurry Volume (bbl):	520.5		Lost Returns (Y/N):	y (if Y, when)		
Total Fluid Pumped	857.5					
Returns to Surface:	Cement	15 bbls				
Job Notes (fluids pumped / procedures / tools / etc.):	FC at 12,493					

Thank You For Using

O - TEX Pumping

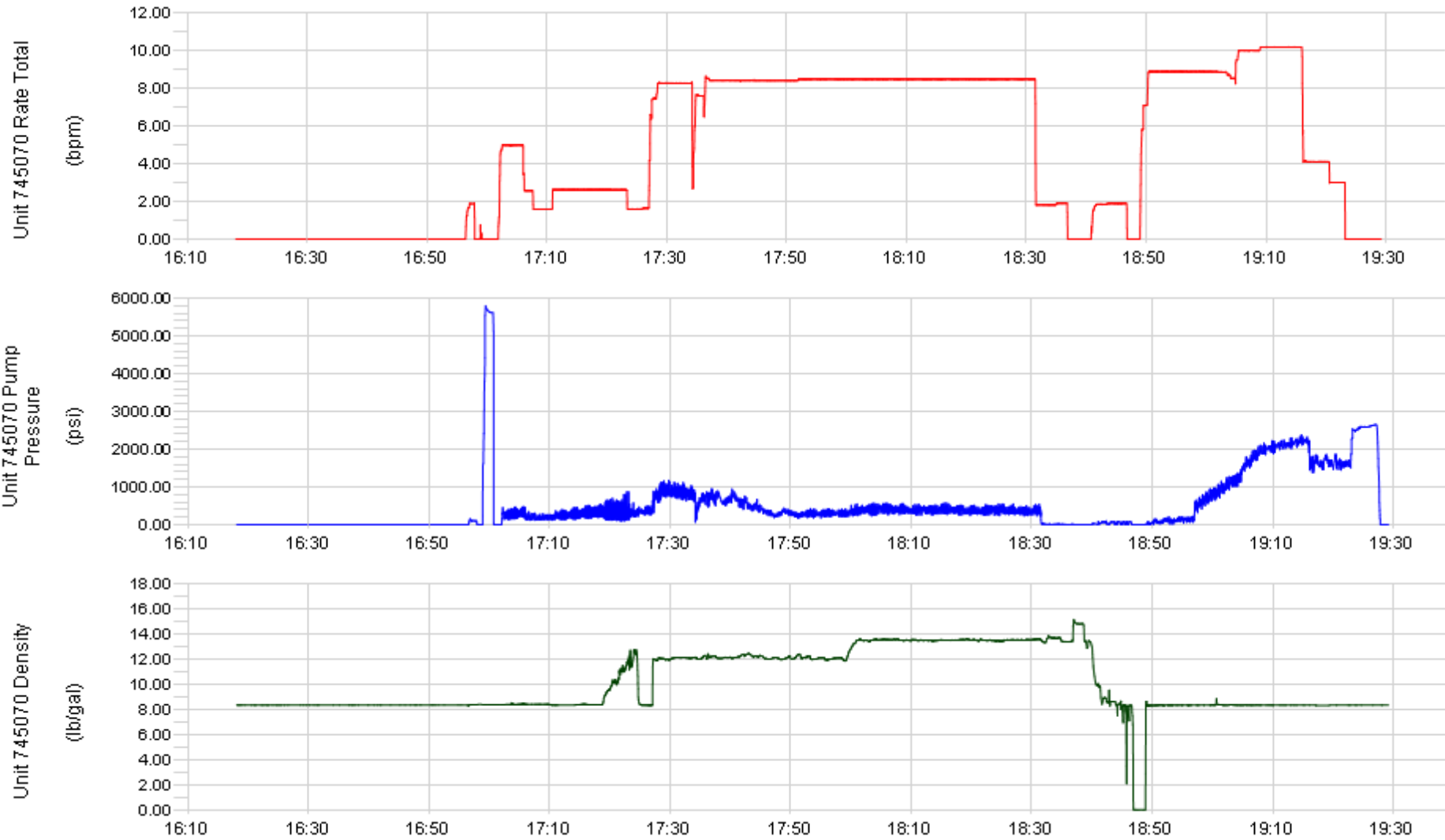
Customer Representative Signature: _____

[illegible]

Client Ward petroleum
Ticket No. 2026
Location
Comments

Client Rep Mr Marvin Hackworth
Well Name Ritchey 26-1-22HC
Job Type Production Casing

Supervisor Laeger,Kacey
Unit No. 745070
Service District Brighton
Job Date 07/13/2017

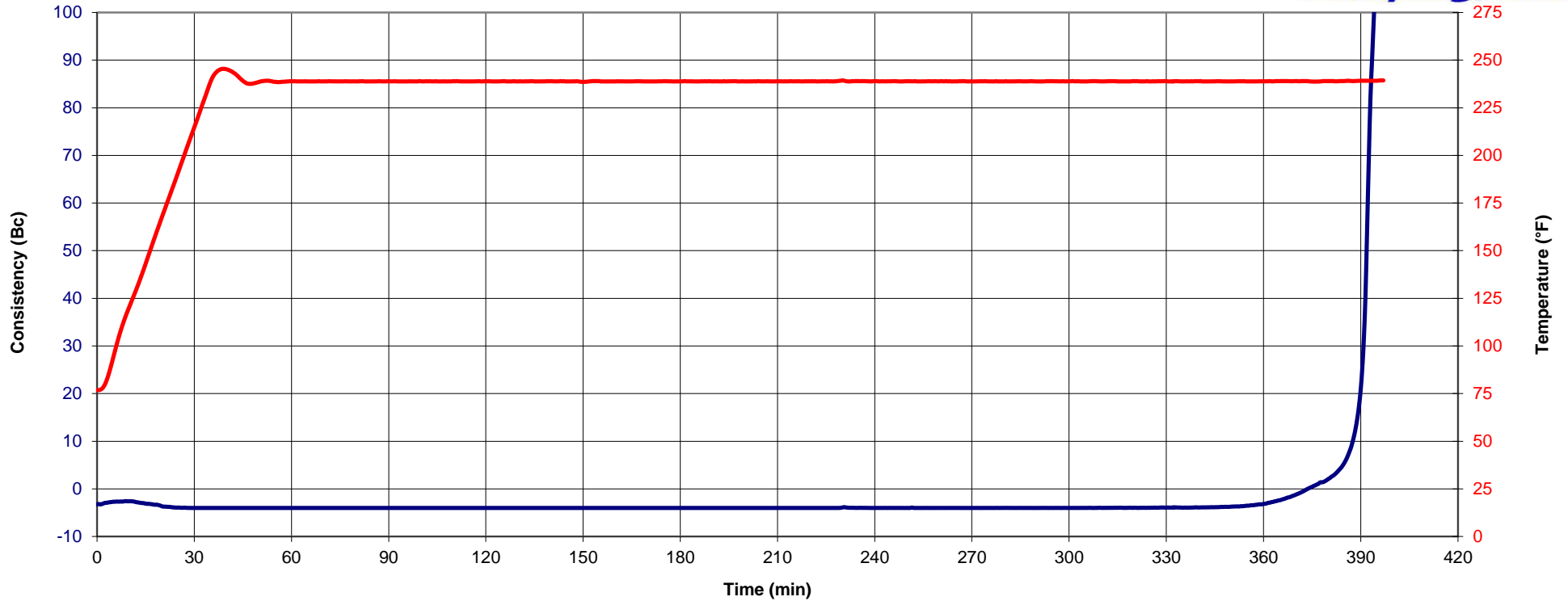


Thickening Time

Ward Petroleum

Ritchey 26-1-22HC

O-Tex
Pumping, LLC



BASE BLEND: 1-1-0 'III'

0.2% ASM-5
2% FWC-2
0.5% FL-17
0.2% MCR-4

BHCT: 240 °F

SCHEDULE: Production Casing Lead

INSTRUMENT #: 186

TEST DATE: 7/11/2017

WATER SOURCE: Lab Water C

CEMENT SOURCE: Field Blend

Cement: *Dacotah III*

Fly Ash: *Boral*

Working Time _{40Bc}: 6:31 Hr:Min.

Thickening Time _{70Bc}: 6:33 Hr:Min.

Thickening Time _{100 Bc}: 6:34 Hr:Min.

Density: 12.00 lbs/gal

Yield: 1.94 ft³/sack

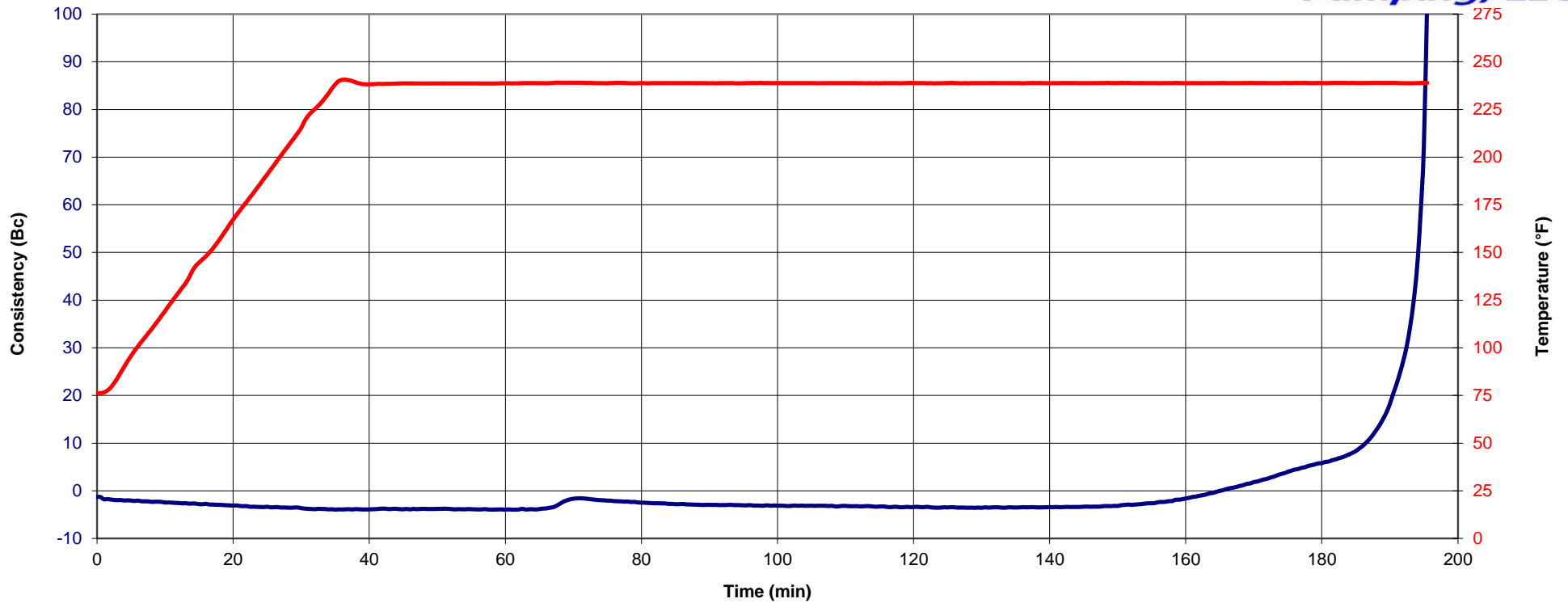
Water Requirement: 10.72 gal/sack

Thickening Time

Ward Petroleum

Ritchey 26-1-22HC

O-Tex
Pumping, LLC



BASE BLEND: 1-2-0 'G'

0.2% ASM-5
25% Flour
0.7% FL-17
0.15% MCR-4
0.2% SPC-II

BHCT: 240 °F

SCHEDULE: Production Casing Tail

INSTRUMENT #: 189

TEST DATE: 7/11/2017

WATER SOURCE: Lab Water C

CEMENT SOURCE: Field Blend

Cement: *Dacotah GK6*

Fly Ash: *Boral*

Working Time_{40Bc}: 3:14 Hr:Min.

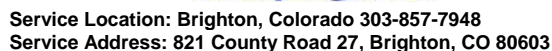
Thickening Time_{70Bc}: 3:15 Hr:Min.

Thickening Time_{100 Bc}: 3:15 Hr:Min.

Density: 13.50 lbs/gal

Yield: 1.81 ft³/sack

Water Requirement: 8.81 gal/sack



TN #	FL2026
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Service Date:	7/13/2017	Well Name:	Ritchey 26-1-22HC	Job Type:	Production
Customer:	Ward Petroleum				
Address:	P.O. Box 1187	County:	Weld	Service Supervisor:	Laeger, Kacey
City:	Enid	State:	Colorado		
St:	OK 73702	API #	05-123-44767		
Customer Rep:	Marvin Hackworth	AFE #		Pump #1	445070
				Pump #2	445052

[illegible]

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT.

Customer Authorized Agent: _____