



5.5" Production

Cement Post Job Report

Prepared For: Mr. Cole Orley

Prepared Date: 6/8/2017

Job Date: 6/7/2017

Whiting Petroleum Corp.

Razor Federal 261-3546

Weld County, CO

Prepared By: Scott Pollard

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Email: scott.pollard@otexpumping.com



Job Summary

Ticket Number		Ticket Date	
TN#	FL1844	6/7/2017	
COUNTY	COMPANY	API Number	
Weld	Whiting Petroleum Corp.	05-123-43931	
WELL NAME	RIG	JOB TYPE	
Razor Federal 26I-3546	Unit 406	Production	
SURFACE WELL LOCATION	O-TEX Field Supervisor	CUSTOMER REP	
NESE Sec 26 T10N R58W	Laeger, Kacey	Chris	
EMPLOYEES			
Forsyth, Scott			
McFarland, James			
Lasley, Larry			
WELL PROFILE			
Max Treating Pressure (psi):		Bottom Hole Static Temperature (°F):	0
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	2050	13400		
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	2050		
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	13400		
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):	0
Type: Scavenger	Volume (sacks):	105	Volume (bbls):	50
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% 50:50:0(POZ:Type III:GEL)+0.3% ASM-3+0.5% FL-17+2% FWC-2+0.1% C-20+0.25#/sx Cello Flake		11	2.66	16.07
Stage 2:	From Depth (ft):	0	To Depth (ft):	242
Type: Lead	Volume (sacks):	280	Volume (bbls):	98
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% 50:50:0(POZ:Type III:GEL)+0.3% ASM-3+0.5% FL-17+2% FWC-2+0.1% C-20+0.25#/sx Cello Flake+0.2-GAL/100-SX CF-41L		12	1.97	10.62
Stage 3:	From Depth (ft):	242	To Depth (ft):	3636.5
Type: Fill	Volume (sacks):	395	Volume (bbls):	138.5
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% 50:50:0(POZ:Type III:GEL)+0.3% ASM-3+0.5% FL-17+2% FWC-2+0.1% C-20+0.2% C-49+0.25#/sx Cello Flake+0.2-GAL/100-SX CF-41L		12	1.97	10.64
Stage 4:	From Depth (ft):	3626.5	To Depth (ft):	13400
Type: Tail	Volume (sacks):	1575	Volume (bbls):	412
Cement & Additives:		Density (ppg)	Yield (ft³/sk)	Water Req.
100% 35:65:0(POZ:G:GEL)+0.3% ASM-3+0.5% FL-17+0.2% C-49+0.1% C-20+0.25#/sx Cello Flake+0.2-GAL/100-SX CF-41L		13.5	1.47	7.38

SUMMARY

Preflushes:	30 bbls of	Mudflush	Calculated Displacement (bbl):	Stage 1	Stage 2
	30 bbls of	Visweep	Actual Displacement (bbl):	296.5	
	bbls of			296.5	
Total Preflush/Spacer Volume (bbl):	60	Plug Bump (Y/N):	Y	Bump Pressure (psi):	2500
Total Slurry Volume (bbl):	658.6	Lost Returns (Y/N):	N (if Y, when)		
Total Fluid Pumped	1015.1				
Returns to Surface:	Scavenger	50 bbls			

Job Notes (fluids pumped / procedures / tools / etc.):

Customer Representative Signature: _____

Thank You For Using

O - TEX Pumping

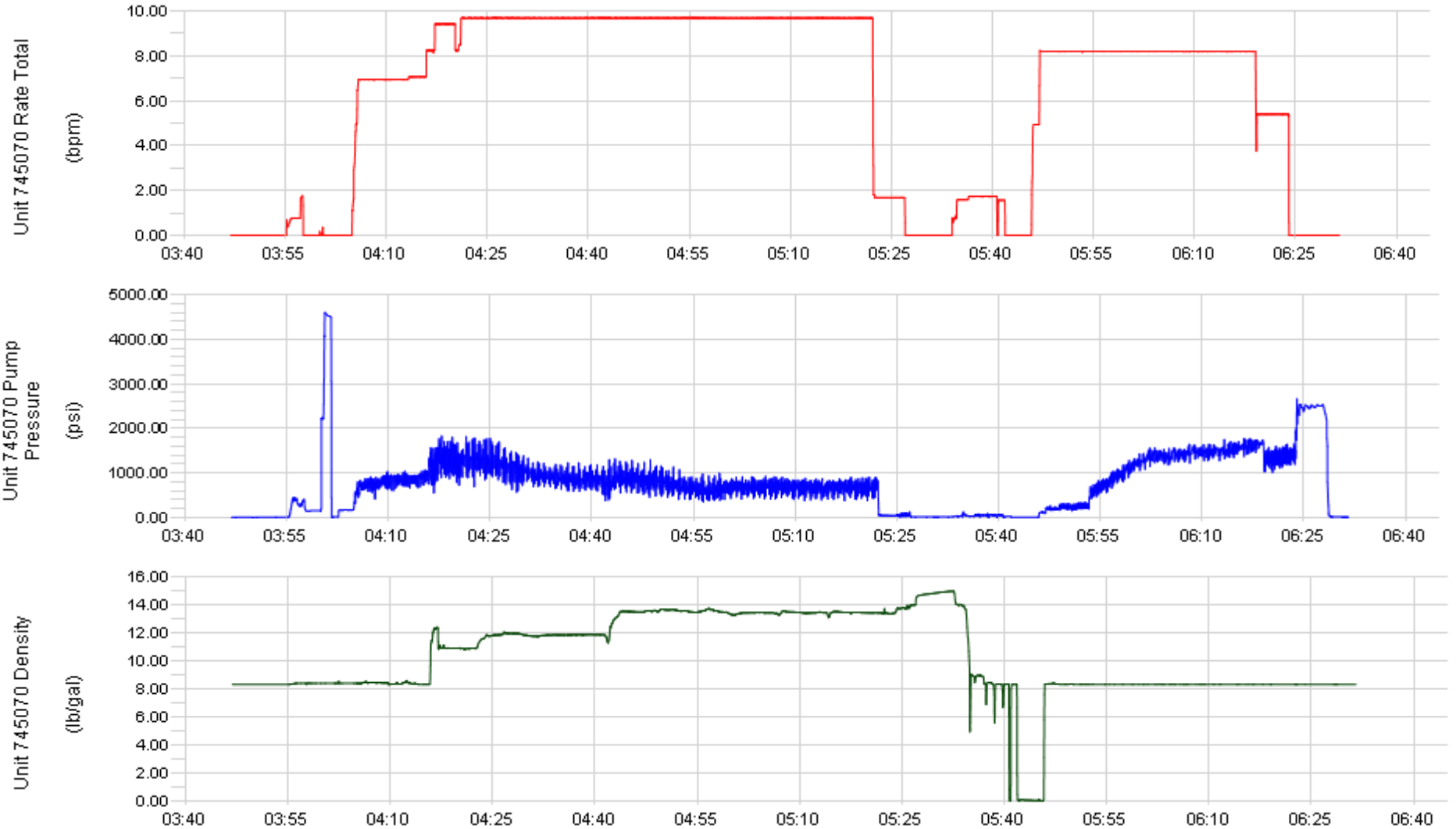
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O-Tex Pumping, LLC

Client Whiting Petroleum CO
Ticket No. 1844
Location NE SE 26 10N 58W
Comments

Client Rep Mr. Kevin
Well Name Razor Federal 26I-3546
Job Type Production Casing

Supervisor Laeger, Kacey
Unit No. 745070
Service District Brighton, CO
Job Date 06/07/2017

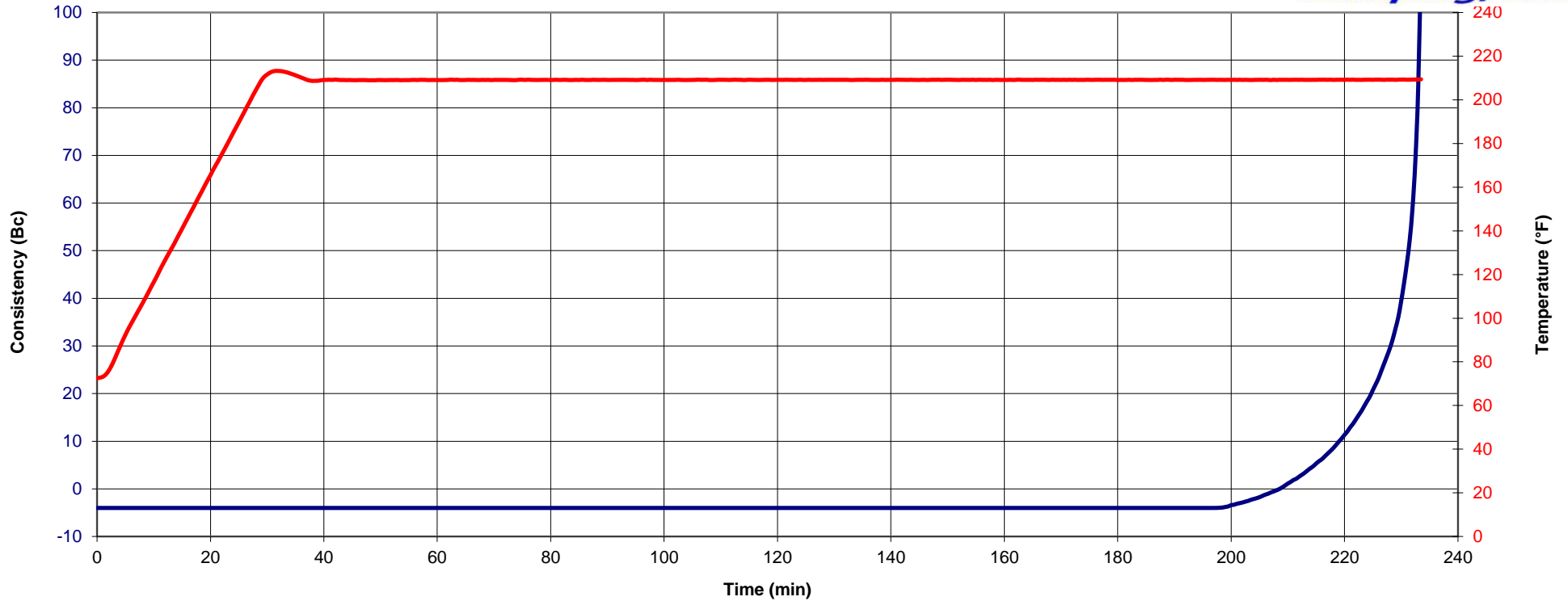


Thickening Time

Whiting Oil and Gas

Razor Federal 26I-3546 Unit 406

O-Tex
Pumping, LLC



BASE BLEND: 1-1-0 'III'

0.3% ASM-3

2% FWC-2

0.5% FL-17

0.1% LTR

BHCT: 210 °F

SCHEDULE: Production Casing Lead

INSTRUMENT #: 169

TEST DATE: 6/3/2017

WATER SOURCE: Lab Water C

CEMENT SOURCE: Field Blend

Cement: *Dacotah III*

Fly Ash: *Boral*

Working Time _{40Bc}: 3:50 Hr:Min.

Thickening Time _{70Bc}: 3:53 Hr:Min.

Thickening Time _{100 Bc}: 3:53 Hr:Min.

Density: 12.00 lbs/gal

Yield: 1.94 ft³/sack

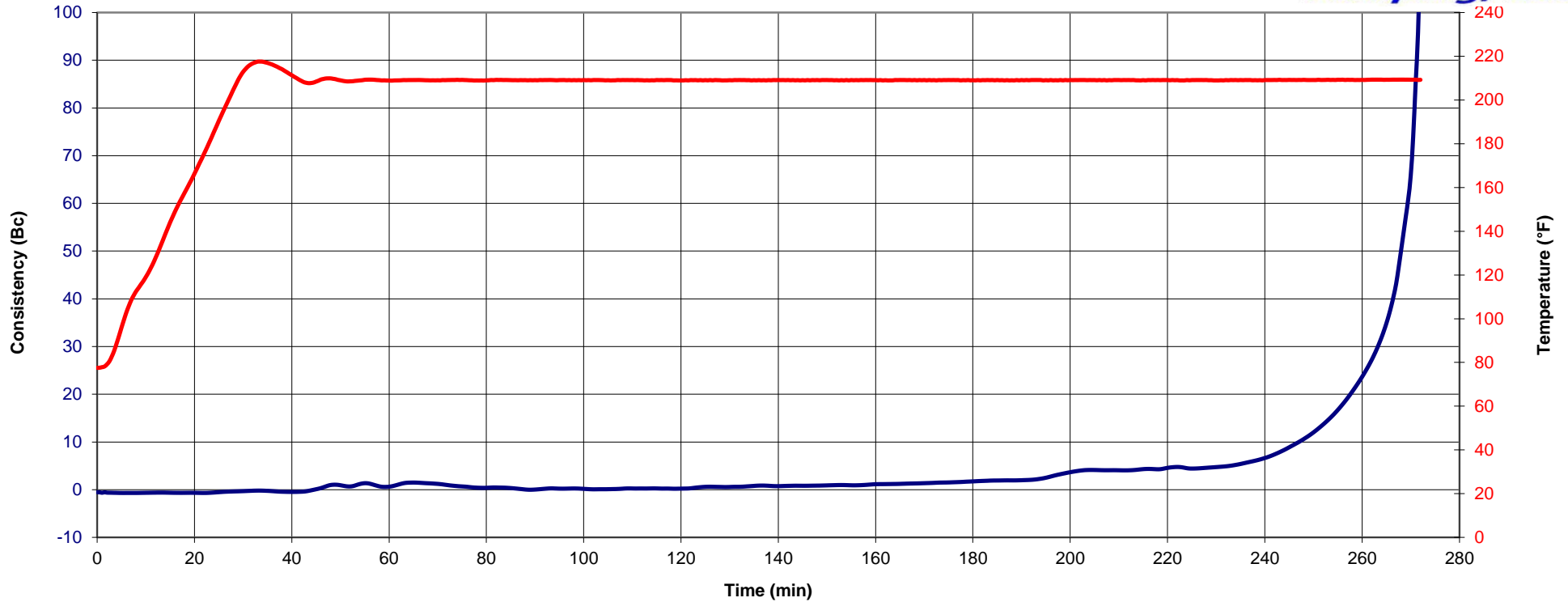
Water Requirement: 10.70 gal/sack

Thickening Time

Whiting Oil and Gas

Razor Federal 26I-3546 Unit 406

O-Tex
Pumping, LLC



BASE BLEND: 1-1-0 'III'

0.3% ASM-3
2% FWC-2
0.5% FL-17
0.1% LTR
0.2% SPC-II

BHCT: 210 °F

SCHEDULE: Production Casing Lead Fil

INSTRUMENT #: 189

TEST DATE: 6/4/2017

WATER SOURCE: Lab Water C

CEMENT SOURCE: Field Blend

Cement: *Dacotah III*

Fly Ash: *Boral*

Working Time _{40Bc}: 4:26 Hr:Min.

Thickening Time _{70Bc}: 4:30 Hr:Min.

Thickening Time _{100 Bc}: 4:32 Hr:Min.

Density: 12.00 lbs/gal

Yield: 1.95 ft³/sack

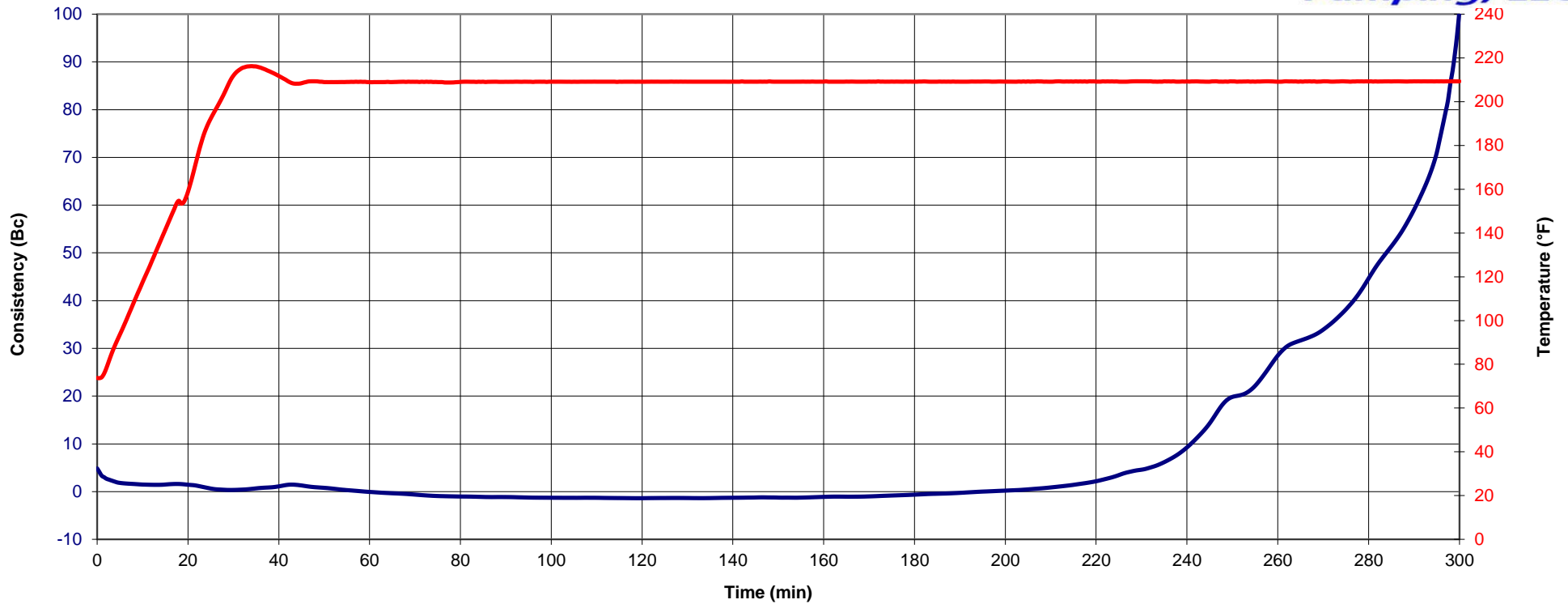
Water Requirement: 10.72 gal/sack

Thickening Time

Whiting Oil and Gas

Razor Federal 26I-3546 Unit 406

O-Tex
Pumping, LLC



BASE BLEND: 1-2-0 'G'

0.3% ASM-3

0.5% FL-17

0.1% LTR

0.2% SPC-II

BHCT: 210 °F

SCHEDULE: Production Casing Tail

INSTRUMENT #: 186

TEST DATE: 6/4/2017

WATER SOURCE: Lab Water C

CEMENT SOURCE: Field Blend

Cement: *Dacotah GK6*

Fly Ash: *Boral*

Working Time _{40Bc}: 4:37 Hr:Min.

Thickening Time _{70Bc}: 4:55 Hr:Min.

Thickening Time _{100 Bc}: 5:00 Hr:Min.

Density: 13.50 lbs/gal

Yield: 1.46 ft³/sack

Water Requirement: 7.21 gal/sack