



5.5" Monobore Cement Post Job Report

Prepared For: Mr. Chad Fitzgerald
Prepared Date: 12/20/2016
Job Date: 12/18/2016

**Whiting Petroleum Corp.
Horsetail 30G-3144
Weld County, Colorado**

Prepared By: Matt Spirek
Phone: (701) 339-2766
Email: matt.spirek@otexpumping.com

O-Tex Pumping, LLC		Job Summary		Ticket Number		Ticket Date	
		TN#		FL1327		12/18/2016	
COUNTY		COMPANY		API Number			
Weld		Whiting Petroleum Corp.		05-123-40723			
WELL NAME		RIG		JOB TYPE			
Horsetail 30G-3144		Unit 406		Monobore			
SURFACE WELL LOCATION		O-TEX Field Supervisor		CUSTOMER REP			
0		Laeger, Kacey		Mr. Kyle Renton			
EMPLOYEES							
Hall, Andy		Joyner, Barlen					
Hall, Conner							
Devine, Rich							
WELL PROFILE							
Max Treating Pressure (psi):		3500		Bottom Hole Static Temperature (°F):		210	
Bottom Hole Circulating Temperature (°F):		210		Well Type:		Oil	

Open Hole

1	Size (in)	TMD From (ft)	TMD to (ft)	TVD From (Ft)	TVD to (Ft)
	8.5	2087	13816		
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	2087	0	2087
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	13776	0	5400
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):	50.7								
<table border="1"> <tr> <th>Cement & Additives:</th> <th>Density (ppg)</th> <th>Yield (ft³/sk)</th> <th>Water Req.</th> </tr> <tr> <td>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</td> <td>11</td> <td>2.66</td> <td>16.07</td> </tr> </table>					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
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Stage 2:	From Depth (ft):	0	To Depth (ft):	0								
Type: Lead	Volume (sacks):	305	Volume (bbls):	107								
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Stage 3:	From Depth (ft):	0	To Depth (ft):	3179								
Type: Fill	Volume (sacks):	375	Volume (bbls):	132								
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Stage 4:	From Depth (ft):	13776	To Depth (ft):	3179.00								
Type: Tail	Volume (sacks):	1635	Volume (bbls):	434								
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SUMMARY

Preflushes:	30 bbls of	Mudflush	Calculated Displacement (bbl):	305.9	Stage 1	Stage 2
	30 bbls of	Visweep	Actual Displacement (bbl)	305		
	10 bbls of	Fresh Water				
Total Preflush/Spacer Volume (bbl):	70	Plug Bump (Y/N):	Y	Bump Pressure (psi):	1514	
Total Slurry Volume (bbl):	727	Lost Returns (Y/N):	N (if Y, when)	N/A		
Total Fluid Pumped	1102					
Returns to Surface:	Cement	80 bbls				

Job Notes (fluids pumped / procedures / tools / etc.): Both O-Tex pumps froze on initial prime-up / had to thaw out pumps in -6 degree temps.

Customer Representative Signature: _____

Thank You For Using
O - TEX Pumping

[illegible]

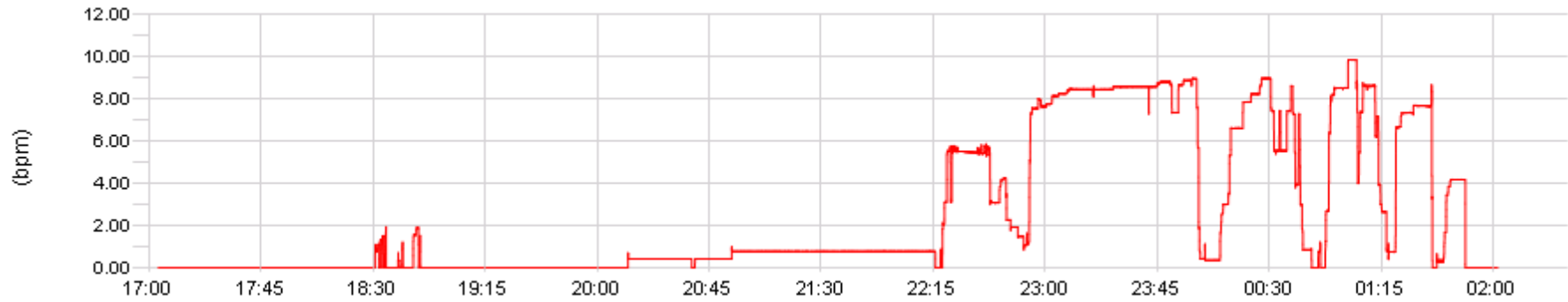
O-TEX
PUMPING, LLC

Client Whiting
Ticket No. 1327
Location SW NE 30:10N:57W
Comments

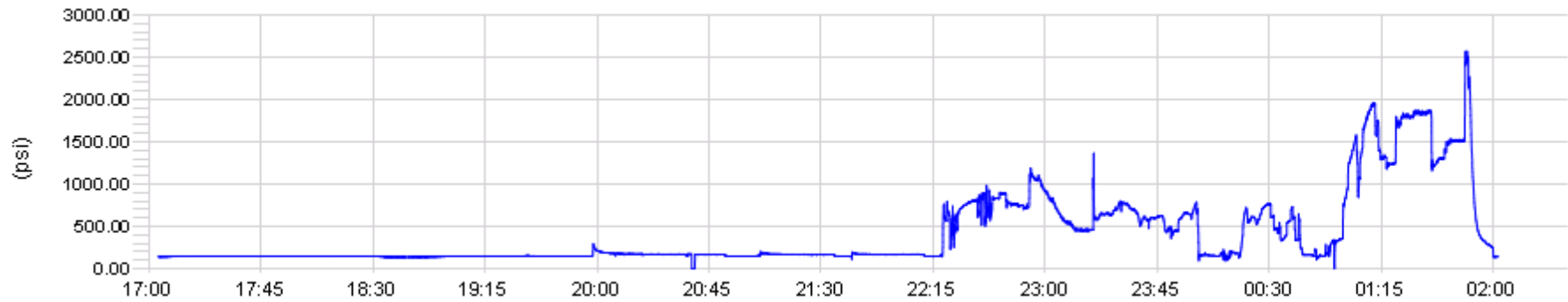
Client Rep Kyle Renton
Well Name Horsetail 30G-3144
Job Type Production Casing

Supervisor B. Joyner
Unit No. 445047
Service District Brighton
Job Date 12/17/2016

Unit 445047 Rate Total



Unit 445047 Pump Pressure



Unit 445047 Density

