



Client Name Whiting Petroleum Corp.	Well Name Horsetail 07H-1814	Rig Unit Drilling Co. 406	Job Date June 06,2016	Call Sheet 1066324
Client Representative Chris	Surface Well Location Sec 12:T10N:R58W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Doran, Benjamin (27933)

Well Profile

Well Type:	Oil			
Maximum Treating Pressure (psi):	---			
Predicted Bottom Hole Static Temperature (°F):	100.00	@	--	
Bottom Hole Circulating Temperature (°F):	80.00	@	--	
Bottom Hole Logged Temperature (°F):	---	@	--	

Open Hole						
	<u>Size (in)</u>	<u>Excess (%)</u>	<u>TMD From (ft)</u>	<u>TMD To (ft)</u>	<u>TVD From (ft)</u>	<u>TVD To (ft)</u>
	13.500	--	0.000	2,085.000	--	--

Casing										
	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>
	(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
	9.625	36.000	J-55	2,020.0	3,520.0	160.18	8.921	10.625	0.0	2,072.0

Products

Stage 1	
From Depth (ft):	0
To Depth (ft):	1385
Acids/Blends/Fluids :	
Lead 1: 340 Sacks of Control Set C, Density = 12 lb/gal, Volume Pumped = 149 (bbl)	
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 75 , Slurry Temperature(°F) = 75	
+ 0.25 lb/sack of LCL-7 (Preblend),	
+ 2 % of Gypsum (Preblend),	
+ 2 % of SMS (Preblend),	
+ 2 % of CaCl2 (Preblend),	
+ 0.01 % of CDF-3L (Preblend)	
Stage 2	
From Depth (ft):	1385
To Depth (ft):	2085
Acids/Blends/Fluids :	
Tail: 320 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 83.2 (bbl)	
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 75 , Slurry Temperature(°F) = 75	
+ 2 % of CaCl2 (Preblend),	
+ 0.25 lb/sack of LCL-7 (Preblend),	
+ 0.01 % of CDF-3L (Prehydrate)	
Stage 3	
From Depth (ft):	
To Depth (ft):	
Acids/Blends/Fluids :	

Fluid & Cement Data						
Expected Cement Top:		Surface				
Wellbore Fluid						
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@	
Water	--	8.340	--	--	Jul 07, 2015 14:19	
Water Based Mud	--	--	--	--	Aug 24, 2015 15:49	

Attachment & Tools		
Down Hole Tools		
Tool Type	Depth (ft)	Supplier
Guide/Float Shoe	2,072.000	Third Party
Float Collar	2,027.000	Third Party
Tubular Plugs		
Tubular Plug Type	Size (in)	Supplier
Rubber Top	9.625	Third Party

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201017	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	06/06/2016 18:30	06/06/2016 22:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	06/06/2016 18:30	06/06/2016 22:30
446169	TRAILER	Bulker	746169	TRACTOR	Tandem - Tractor	06/06/2016 18:30	06/06/2016 22:30
201273	PICKUP	3/4 Ton				06/06/2016 18:30	06/06/2016 22:30
Crew and Bonuses							
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift			
Doran, Benjamin (27933)	06/06/2016 18:30	06/06/2016 22:30					
Daylong, Eric (28076)							
Klosterman, Austin (27698)	06/06/2016 18:30	06/06/2016 22:30					
Davila, Israel (28152)							
Peterson, Ryan (28158)							

Treatment Reports & Remarks

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Jun 06,2016 18:30	Arrive On Location		--	--	--	--	0.00
2	Jun 06,2016 18:35	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jun 06,2016 18:40	Wait on Client (non Sanjel)		--	--	--	--	0.00
		Remarks: rig had to run Casing						
4	Jun 06,2016 20:15	Rig in Complete		--	--	--	--	0.00
5	Jun 06,2016 20:20	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Jun 06,2016 20:46	Pressure Test Start	Water	4.00	70.0	--	3.00	0.00
		Remarks: Fill lines						
7	Jun 06,2016 20:47	Pressure Test Complete	Water	--	3,500.0	--	--	0.00
		Remarks: All lines held pressure						
8	Jun 06,2016 20:48	Pump Preflush	Water	9.70	160.0	--	20.00	0.00
9	Jun 06,2016 20:50	Mix Cement	Control Set C	9.70	370.0	--	149.00	0.00
		Remarks: 12 PPG, 2.46 Yield, 14.52 Water Req, 99.89 Sack Weight						
10	Jun 06,2016 20:59	Mix Cement	0:1:0 Type III	9.70	390.0	--	83.20	0.00
		Remarks: 14.2 PPG, 1.46 Yield, 7.36 Water Req, 96.13 Sack Weight						
11	Jun 06,2016 21:18	Stop		--	--	--	--	0.00
12	Jun 06,2016 21:19	Drop Plug		--	--	--	--	0.00
13	Jun 06,2016 21:20	Displace Fluid	Water	9.50	500.0	--	157.00	0.00
14	Jun 06,2016 21:44	Bump Plug	Water	--	1,525.0	--	--	0.00
15	Jun 06,2016 21:45	Pressure Test	Water	--	1,500.0	--	--	0.00
		Remarks: 15 Minute Casing Test						
16	Jun 06,2016 22:00	Check Float		--	--	--	--	0.00
17	Jun 06,2016 22:05	Rig Out		--	--	--	--	0.00
18	Jun 06,2016 22:20	Job Complete		--	--	--	--	0.00
19	Jun 06,2016 22:30	Leave Location		--	--	--	--	0.00

Did Float Hold: Yes
 Fluid Returns : Yes
 Type : Cement
 Volume (bbl) : 65
 Temperature (°F) : 75
 FDAS Functioning Correctly : Yes
 Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number
 56479
 56481

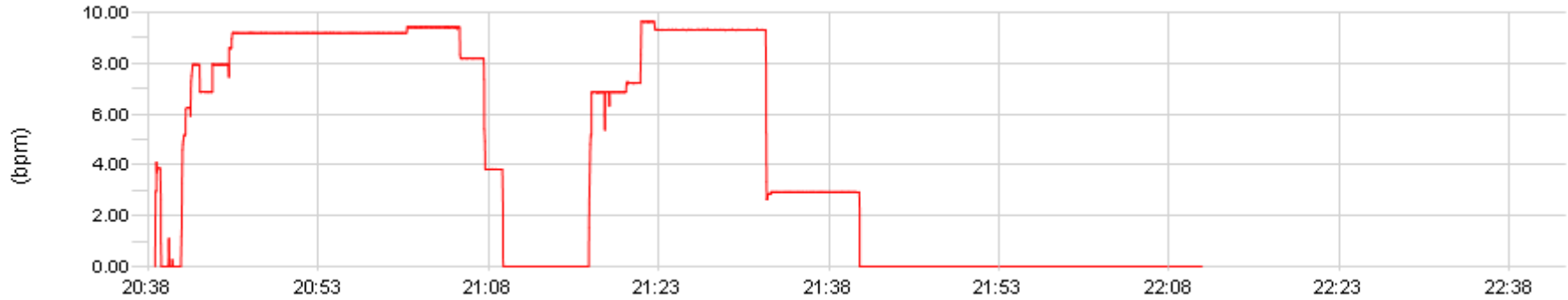


Client Whiting
Ticket No. 9209259
Location Sec12:T10N:R58W
Comments Pump job as per design

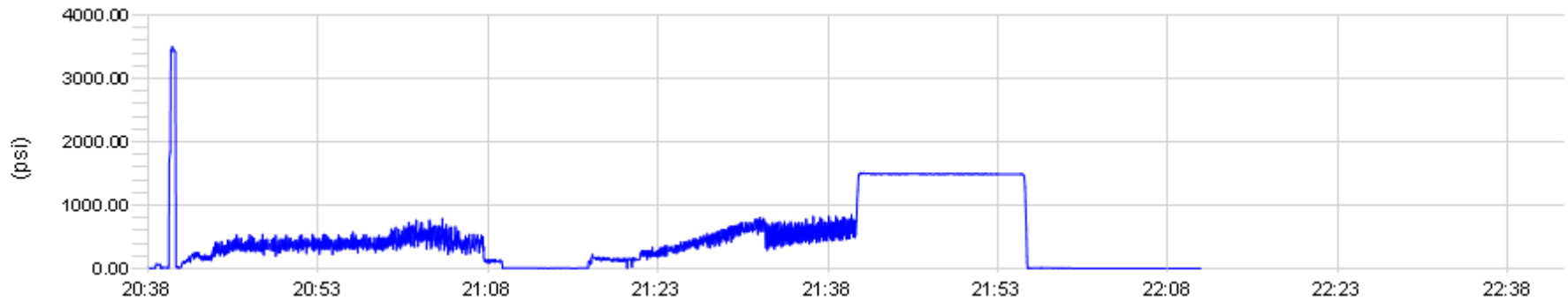
Client Rep Kent
Well Name Horstail 07H-1814
Job Type Surface Casing

Supervisor Ben Doran
Unit No. 445052
Service District 505
Job Date 06/06/2016

Unit 445052 Rate Total



Unit 445052 Pump Pressure



Unit 445052 Density

