



9209258

Client Name Whiting Petroleum Corp.	Well Name Horsetail 08C - 1739	Rig Unit Drilling Co. 409	Job Date May 25,2016	Call Sheet 1066257
Client Representative Tyson	Surface Well Location SW NE Sec 8:T10N:R57W	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

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
13.500	--	0.000	2,035.000	--	--

Casing

Size	Weight	Grade	Collapse Pressure	Internal Yield Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
9.625	36.000	J-55	2,020.0	3,520.0	156.47	8.921	10.625	0.0	2,024.0

Products**Stage 1**

From Depth (ft): 1265

To Depth (ft): 2035

Acids/Blends/Fluids :

Lead 1: 340 Sacks of Control Set C, Density = 12 lb/gal, Volume Pumped = 149 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 70

+ 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): 0

To Depth (ft): 1265

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) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 70

+ 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						
<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>	
Water	--	8.340	--	--	Jul 07, 2015 14:19	
Water Based Mud	--	--	--	--	Aug 24, 2015 15:49	

Attachment & Tools		
Down Hole Tools		
<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Guide/Float Shoe	2,024.000	Third Party
Float Collar	2,002.000	Third Party
Tubular Plugs		
<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>
Rubber Top	9.625	Sanjel

Units & Personnel							
Units							
<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
449083	TRAILER	Utility Trailer	201017	PICKUP	1 Ton	05/25/2016 06:30	05/25/2016 10:30
445047	TRAILER	SCM Twin	745044	TRACTOR	Tandem - Tractor	05/25/2016 06:30	05/25/2016 10:30
446201	TRAILER	Bulker	746201	TRACTOR	Tandem - Tractor	05/25/2016 06:30	05/25/2016 10:30
446024	TRAILER	Bulker	746024	TRACTOR	Tandem - Tractor	05/25/2016 06:30	05/25/2016 10:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Doran, Benjamin (27933)	05/25/2016 06:30	05/25/2016 10:30					
Scott, Derek (29603)							
Cheal, Samuel (28315)							
Lopez, Armando (29064)	05/25/2016 06:30	05/25/2016 10:30					

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	May 25,2016 06:30	Arrive On Location		--	--	--	--	0.00	
2	May 25,2016 06:35	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	May 25,2016 06:45	Wait on Client (non Sanjel)		--	--	--	--	0.00	
4	May 25,2016 08:04	Rig in Complete		--	--	--	--	0.00	
5	May 25,2016 08:07	Crew Briefing (Pre Job)		--	--	--	--	0.00	
6	May 25,2016 08:23	Pressure Test Start		3.50	50.0	--	3.00	0.00	
		Remarks: Fill lines							
7	May 25,2016 08:25	Pressure Test Complete		--	3,000.0	--	--	0.00	
		Remarks: All lines held pressure							
8	May 25,2016 08:27	Pump Preflush	Water	7.00	180.0	--	20.00	0.00	
9	May 25,2016 08:33	Mix Cement	Control Set C	8.80	370.0	--	149.00	0.00	
		Remarks: Mix/Pump 340 Sacks @ 12 PPG							
10	May 25,2016 08:49	Mix Cement	0:1:0 Type III	8.80	260.0	--	83.20	0.00	
		Remarks: Mix/Pump 320 Sacks @ 14.2 PPG							
11	May 25,2016 09:03	Drop Plug	Water	--	--	--	--	0.00	
12	May 25,2016 09:04	Displace Fluid	Water	8.80	400.0	--	154.75	0.00	
13	May 25,2016 09:27	Bump Plug	Water	--	1,597.0	--	--	0.00	
14	May 25,2016 09:29	Check Float		--	--	--	--	0.00	
		Remarks: 1.5 Back							
15	May 25,2016 09:35	Pressure Test	Water	--	1,500.0	--	--	0.00	
		Remarks: 15 Minute Casing test							
16	May 25,2016 10:00	Rig Out		--	--	--	--	0.00	
17	May 25,2016 10:20	Job Complete		--	--	--	--	0.00	
18	May 25,2016 10:30	Leave Location		--	--	--	--	0.00	
Did Float Hold: Yes Fluid Returns : Yes Type : Cement Volume (bbl) : 55 Temperature (°F) : 70 FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes									
Material Transfer Sheet Number <u>Material Transfer Sheet Number</u> 67366 67367									

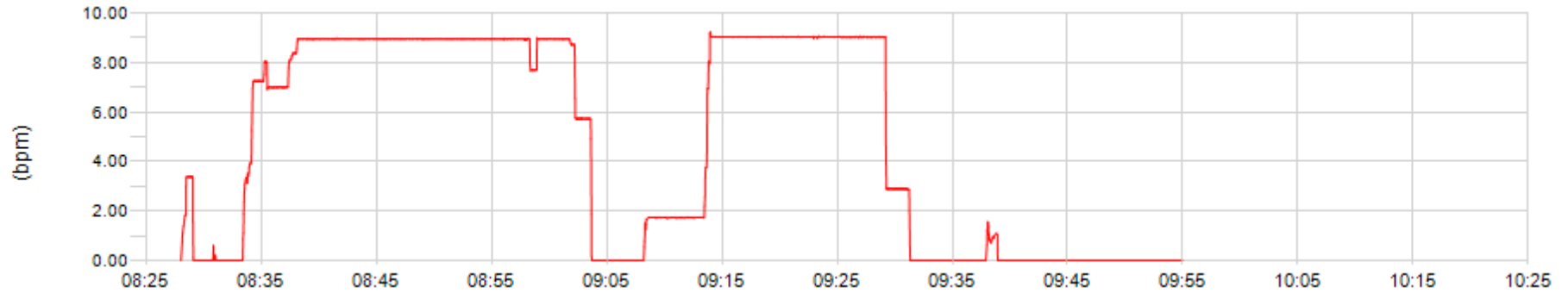


Client Whiting
Ticket No. 9209258
Location SW NE Sec8:T10N:R57W
Comments Pump job as per design

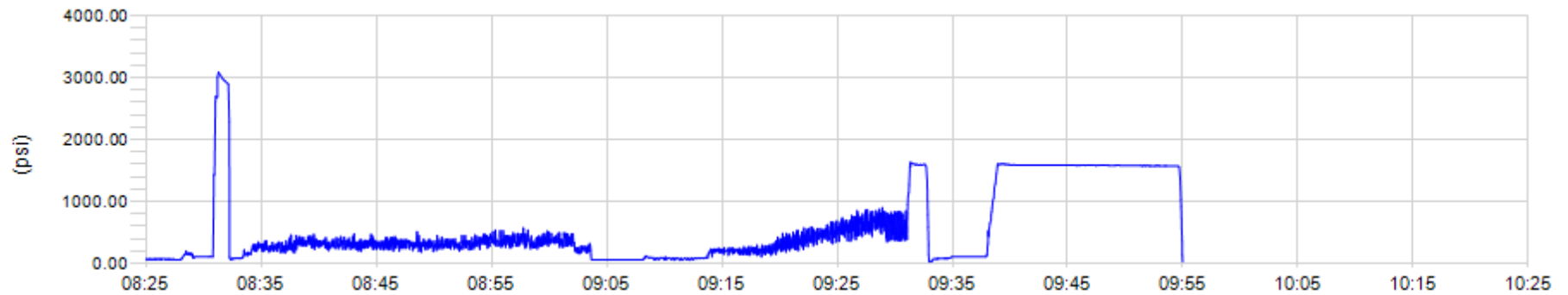
Client Rep Kenny Wilkerson
Well Name Horsetail 08C-1739PHC
Job Type Surface Casing

Supervisor Ben Doran
Unit No. 445047
Service District 505
Job Date 05/25/2016

Unit 445047 Rate Total



Unit 445047 Pump Pressure



Unit 445047 Density

