

Client Name Whiting Petroleum Corp.	Well Name Horsetail 07G - 0609	Rig Unit Drilling Co. 409	Job Date March 23,2016	Call Sheet 1065741
Client Representative Kenny	Surface Well Location Sec 18:T10N:R57W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Lopez, Armando (29064)

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	2,053.000	--	--

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	156.48	8.921	10.625	0.0	2,024.2

Products

Stage 1

From Depth (ft): 0
To Depth (ft): 1135.7

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) = 25 , Slurry Temperature(°F) = 40
+ 0.25 lb/sack of LCL-7 (Preblend),
+ 2 % of Gypsum (Preblend),
+ 2 % of SMS (Preblend),
+ 2 % of CaCl₂ (Preblend)

Stage 2

From Depth (ft): 1135.7
To Depth (ft): 2053

Acids/Blends/Fluids :

Tail: 320 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 83 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 25 , Slurry Temperature(°F) = 40
+ 2 % of CaCl₂ (Preblend),
+ 0.25 lb/sack of LCL-7 (Preblend)

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****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>
449086	TRAILER	Utility Trailer	449086	TRAILER	Utility Trailer	03/23/2016 18:30	03/24/2016 01:45
445044	TRAILER	SCM Twin	745044	TRACTOR	Tandem - Tractor	03/23/2016 18:30	03/24/2016 01:45

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Lopez, Armando (29064)	03/23/2016 18:30	03/24/2016 01:45		
Laeger, Kacey (25046)	03/23/2016 18:30	03/24/2016 01:45		
Scott, Derek (29603)	03/23/2016 18:30	03/24/2016 01:45		
Davila, Israel (28152)	03/23/2016 18:30	03/24/2016 01:45		

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	Mar 23,2016 18:30	Arrive On Location		--	--	--	--	0.00	
2	Mar 23,2016 18:40	Crew Briefing (Rig in)		--	--	--	--	0.00	
		Remarks: Held							
3	Mar 23,2016 19:30	Rig in Complete		--	--	--	--	0.00	
4	Mar 23,2016 19:40	Wait on Client (non Sanjel)		--	--	--	--	0.00	
		Remarks: Wait on rig to run casing							
5	Mar 23,2016 23:00	Crew Briefing (Pre Job)		--	--	--	--	0.00	
		Remarks: Held							
6	Mar 23,2016 23:25	Pressure Test Start	Water	2.50	150.0	--	7.00	7.00	
		Remarks: Filled lines/ warm iron							
7	Mar 23,2016 23:30	Pressure Test Complete		--	3,000.0	--	--	7.00	
		Remarks: Lines held good							
8	Mar 23,2016 23:32	Pump Spacer	Water	5.00	250.0	--	13.00	20.00	
		Remarks: Good circulation							
9	Mar 23,2016 23:35	Mix Cement	Control Set C	7.50	270.0	--	149.30	169.30	
		Remarks: 340sks							
10	Mar 23,2016 23:56	Mix Cement	0:1:0 Type III	7.90	500.0	--	85.00	85.00	
		Remarks: 320sks							
11	Mar 24,2016 00:17	Drop Plug		--	--	--	--	85.00	
12	Mar 24,2016 00:26	Displace Fluid	Water Based Mud	7.20	400.0	--	153.00	238.00	
		Remarks: Displace to float							
13	Mar 24,2016 00:48	Bump Plug		--	--	--	--	238.00	
14	Mar 23,2016 00:51	Check Float		--	--	--	--	238.00	
		Remarks: 1bbl back Floats held good							
15	Mar 24,2016 01:00	Rig Out		--	--	--	--	169.30	
16	Mar 24,2016 01:40	Job Complete		--	--	--	--	169.30	
17	Mar 24,2016 01:45	Leave Location		--	--	--	--	169.30	
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 <u>Material Transfer Sheet Number</u> 67087 67086									

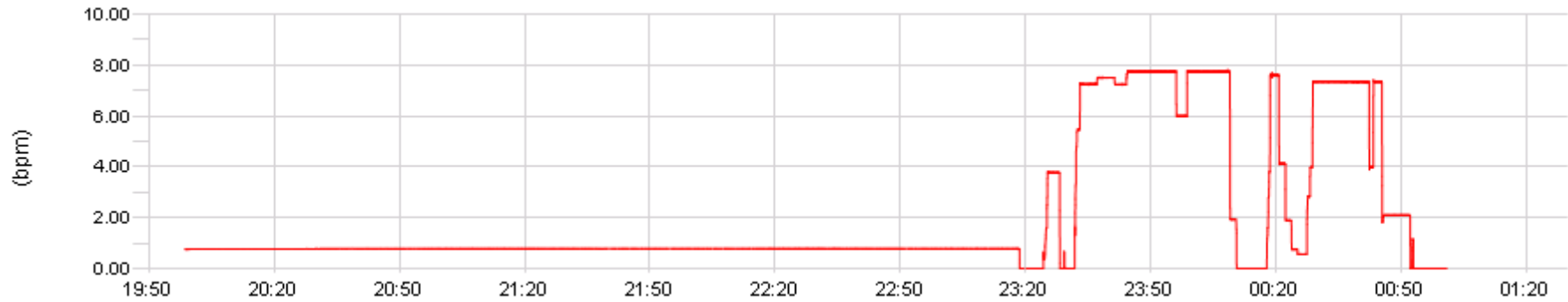


Client Whiting
Ticket No. 9211527
Location Sec18:T10N:R57W
Comments

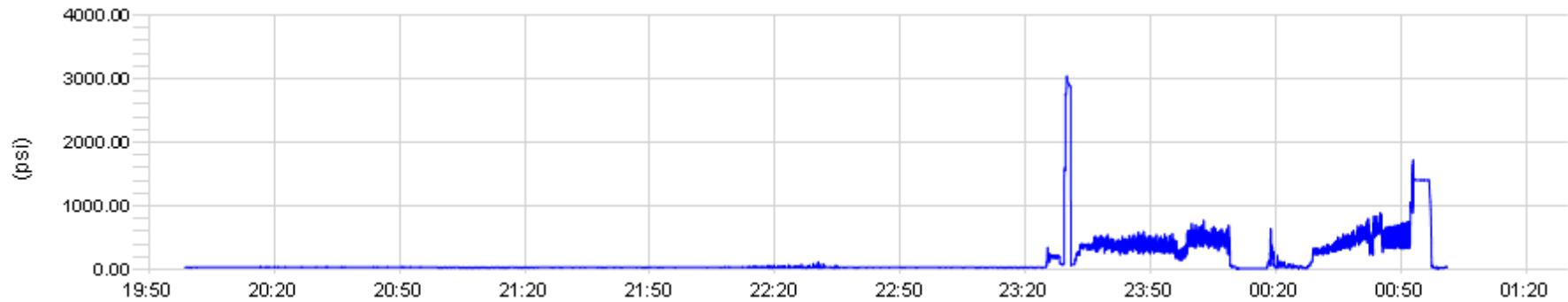
Client Rep BJ
Well Name Horsetail 07G- 0609
Job Type Surface Casing

Supervisor Kacey Lager
Unit No. 445047, 445020
Service District Ft Lupton Co
Job Date 03/23/2016

Unit 445047 Rate Total



Unit 445047 Pump Pressure



Unit 445047 Density

