



9209309

Client Name Whiting Petroleum Corp.	Well Name Horsetail 08C-1707	Rig Unit Drilling Co. 409	Job Date May 19,2016	Call Sheet 1066074
Client Representative Tyson	Surface Well Location SW NE Sec 8:T10N:R57W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Hall, Andrew J (25267)

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	30.000	0.000	2,040.000	--	--

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	156.70	8.921	10.625	0.0	2,027.0

Products**Stage 1**

From Depth (ft): 0

To Depth (ft): 1300

Acids/Blends/Fluids :

Lead 1: 340 Sacks of Control Set C, Density = 12 lb/gal, Volume Pumped = 149 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 60 , 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): 1300

To Depth (ft): 2027

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) = 50 , Bulk Temperature(°F) = 60 , 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						
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		
Tubular Plug Type	Size (in)	Supplier
Rubber Top	9.625	Sanjel

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201025	PICKUP	1 Ton	449083	TRAILER	Utility Trailer	05/19/2016 08:00	05/20/2016 01:00
445044	TRAILER	SCM Twin	745044	TRACTOR	Tandem - Tractor	05/19/2016 08:00	05/20/2016 01:00
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	05/19/2016 08:00	05/20/2016 01:00
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	05/19/2016 08:00	05/20/2016 01:00

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Hall, Andrew J (25267)	05/19/2016 08:00	05/20/2016 01:00		
Barden, Sean (27711)				
Peterson, Ryan (28158)				
Maguire, Matthew (26325)	05/19/2016 08:00	05/20/2016 01:00		

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 19,2016 18:00	Arrive On Location		--	--	--	--	0.00	
2	May 19,2016 18:30	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	May 19,2016 19:00	Rig in Complete		--	--	--	--	0.00	
4	May 19,2016 21:00	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	May 19,2016 22:15	Pressure Test Start	Water	1.00	3,000.0	--	3.00	3.00	
6	May 19,2016 22:17	Pressure Test Complete		--	--	--	--	3.00	
7	May 19,2016 22:18	Establish Circulation	Water	6.00	300.0	--	20.00	23.00	
8	May 19,2016 22:22	Pump	Control Set C	8.00	300.0	--	149.00	172.00	
9	May 19,2016 22:40	Pump	0:1:0 Type III	8.00	300.0	--	83.20	255.20	
10	May 19,2016 22:55	Drop Plug		--	--	--	--	255.20	
11	May 19,2016 22:58	Displace Fluid	Water	6.00	800.0	--	153.30	408.50	
12	May 19,2016 23:30	Bump Plug		--	1,200.0	--	--	408.50	
13	May 19,2016 23:32	Check Float		--	--	--	--	408.50	
14	May 19,2016 23:35	Hold Back Pressure	Water	2.00	1,500.0	--	2.00	410.50	
		Remarks: Casing test							
15	May 20,2016 00:00	Rig Out		--	--	--	--	410.50	
16	May 20,2016 00:30	Job Complete		--	--	--	--	410.50	
		Remarks: AAR							
17	May 20,2016 01:00	Leave Location		--	--	--	--	410.50	
Did Float Hold: Yes Fluid Returns : Yes Type : Cement Volume (bbl) : 50 Temperature (°F) : 90 FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes									
Material Transfer Sheet Number									
Material Transfer Sheet Number									
67337									
67338									



Client Whiting Petroleum Corp
Ticket No. 9209309
Location SW NE Sec 8:T10N:R57W
Comments Pump Job per Company request

Client Rep Tyson
Well Name Horsetail 08C-1707
Job Type Production Casing

Supervisor Mr Andy Hall
Unit No. 745051
Service District 505
Job Date 05/19/2016

