

9209315

Client Name Whiting Petroleum Corp.	Well Name Horsetail 07H-1813	Rig Unit Drilling Co. 406	Job Date June 11, 2016	Call Sheet 1066359
Client Representative Chris Blodgett	Surface Well Location SW NE Sec 8:T10N:R57W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Bushnell, Cody (21127)

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	2,086.000	0.000	2,086.000

Casing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
9.625	36.000	J-55	2,020.0	3,520.0	160.34	8.921	10.625	0.0	2,074.0

Products

Stage 1

From Depth (ft): 0
To Depth (ft): 1354

Acids/Blends/Fluids :

Lead 1: 340 Sacks of Control Set C, Density = 12 lb/gal, Volume Pumped = 149 (bbl)
Water Temperature(°F) = 60, Bulk Temperature(°F) = 90, Slurry Temperature(°F) = 100
+ 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): 1354
To Depth (ft): 2074

Acids/Blends/Fluids :

Tail: 325 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 57 (bbl)
Water Temperature(°F) = 60, Bulk Temperature(°F) = 90, Slurry Temperature(°F) = 100
+ 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 :

Extra Cement: 1 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 1 (bbl)
+ 2 % of CaCl2 (Prehydrate)

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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>
Float Collar	2,032.000	Third Party
Guide/Float Shoe	2,074.000	Third Party

Tubular Plugs

<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>
Rubber Top	9.625	Third Party

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>
449088	TRAILER	Utility Trailer	201191	PICKUP	1 Ton	06/11/2016 10:00	06/11/2016 16:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	06/11/2016 10:00	06/11/2016 16:00
446153	TRAILER	Bulker	746153	TRACTOR	Tandem - Tractor	06/11/2016 10:00	06/11/2016 16:00
449200	TRAILER	Utility Trailer	200596	PICKUP	1/2 Ton	06/11/2016 10:00	06/11/2016 16:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Bushnell, Cody (21127)	06/11/2016 10:00	06/11/2016 16:00		
Doran, Benjamin (27933)	06/11/2016 10:00	06/11/2016 16:00		
Barden, Sean (27711)				
Melgarejo Herrera, Eduardo (26606)				
Bushnell, Cody (21127)	06/11/2016 10:00	06/11/2016 16:00		

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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 11, 2016 10:00	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Jun 11, 2016 10:05	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Jun 11, 2016 11:00	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Jun 11, 2016 11:20	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Jun 11, 2016 12:38	Pressure Test Start	---	0.00	0.0	0.0	0.00	0.00
		Remarks: Test Sanjel Lines 3000 PSI						
6	Jun 11, 2016 12:40	Pressure Test Complete		0.00	0.0	0.0	0.00	0.00
		Remarks: Test Held						
7	Jun 11, 2016 12:41	Pump	Water	8.00	300.0	0.0	20.00	20.00
		Remarks: Establish Circulation						
8	Jun 11, 2016 12:45	Pump	Control Set C	8.00	400.0	0.0	149.00	169.00
		Remarks: Lead Cement						
9	Jun 11, 2016 13:02	Pump	0:1:0 Type III	8.00	600.0	0.0	84.50	253.50
		Remarks: Tail Cement						
10	Jun 11, 2016 13:12	Drop Plug	Water	0.00	0.0	0.0	0.00	253.50
		Remarks: Shut Down Drop Plug						
11	Jun 11, 2016 13:14	Pump	Water	8.00	700.0	0.0	157.00	410.50
12	Jun 11, 2016 13:37	Bump Plug	Water	0.00	1,500.0	0.0	0.00	410.50
		Remarks: Bump Plug / Casing Test 20 Min.						
13	Jun 11, 2016 14:00	JSA	---	0.00	0.0	0.0	0.00	410.50
		Remarks: Pre rig out meeting						
14	Jun 11, 2016 14:10	Rig Out	---	0.00	0.0	0.0	0.00	410.50
15	Jun 11, 2016 14:25	Job Complete	---	0.00	0.0	0.0	0.00	410.50
16	Jun 11, 2016 14:30	Leave Location	---	0.00	0.0	0.0	0.00	410.50

Did Float Hold: Yes
 Fluid Returns: Yes
 Type: Cement
 Volume (bbl): 65
 Temperature (°F): 100
 FDAS Functioning Correctly: Yes
 Was the Program Followed As Per Design?: Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

56496

56498



Client Whiting Petroleum Corp.
Ticket No. 9209315
Location Sec12:T10N:R58W
Comments Pump job as per design

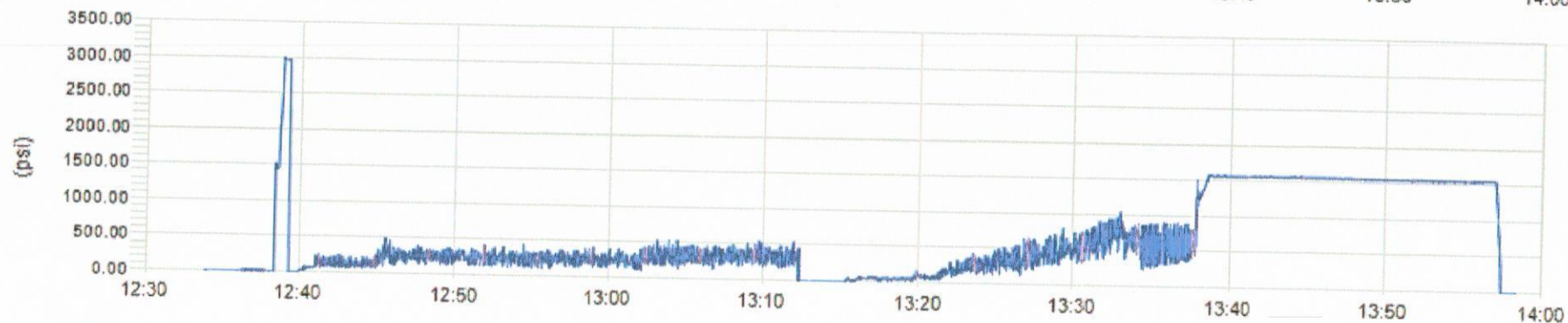
Client Rep Chris
Well Name Horsetail 07H-1713
Job Type Surface Casing

Supervisor Cody Bushnell
Unit No. 445047
Service District 505
Job Date 06/11/2016

Unit 445047 Rate Total



Unit 445047 Pump Pressure



Unit 445047 Density

