



9201509

Client Name Whiting Petroleum Corp.	Well Name Razor 330-2811	Rig Frontier 9	Job Date December 18,2014	Call Sheet 1052296
Client Representative Kyle Renton	Surface Well Location Sec 27:T10N:R58W	Down Hole Well Location	Job Type Intermediate Casing	Lead Supervisor Lopez, Armando (29064)

Well Profile

Well Type:	Oil
Maximum Treating Pressure (psi):	--
Predicted Bottom Hole Static Temperature (°F):	-- @ --
Bottom Hole Circulating Temperature (°F):	-- @ --
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>
	8.750	25.000	1,549.000	5,993.000	--

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>
	(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)
	7.000	29.000	L-80	7,030.0	8,160.0	221.89	6.184	7.656	0.0
	9.625	26.000	J-55	--	--	--	--	--	0.0

Products

Stage 1
From Depth (ft): 0
To Depth (ft): 3850
Acids/Blends/Fluids :
Lead 1: 445 Sacks of 1:2:6 Poz G Gel, Density = 12.5 lb/gal, Volume Pumped = 153 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60
+ 0.2 % of CFR (Preblend),
+ 0.5 % of CFL-4 (Preblend),
+ 0.15 % of LTR (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)
Stage 2
From Depth (ft): 3850
To Depth (ft): 5973
Acids/Blends/Fluids :
Tail: 210 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 60 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60
+ 8 % of SilFume (Preblend),
+ 2 % of Gel (Preblend),
+ 0.1 % of CFR-5 (Preblend),
+ 0.7 % of CFL-3 (Preblend),
+ 0.3 % of LTR (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top:	Surface				
<b>Wellbore Fluid</b>					
<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	--	8.400	--	--	Jul 14, 2014 20:27
Water Based Mud	--	--	--	--	Oct 09, 2014 19:06



Attachment & Tools		
Down Hole Tools		
Tool Type	Depth (ft)	Supplier
Guide Shoe	5,973.000	Third Party
Float Collar	5,928.000	Third Party
Tubular Plugs		
Tubular Plug Type	Size (in)	Supplier
Rubber Top	7.000	Sanjel

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449087	TRAILER	Utility Trailer	201009	PICKUP	1 Ton	12/18/2014 00:30	12/18/2014 17:30
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	12/18/2014 00:30	12/18/2014 17:30
Crew and Bonuses							
Employee	Start Shift		End Shift		Second Start Shift		Second End Shift
Lopez, Armando (29064)	12/18/2014 00:30		12/18/2014 17:30				
Crane, Troy (29924)	12/18/2014 00:30		12/18/2014 17:30				
Young, Craig (27496)	12/18/2014 00:30		12/18/2014 17:30				
Vitera, John (29843)	12/18/2014 00:30		12/18/2014 17:30				

Treatment Reports & Remarks
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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	Dec 18,2014 00:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Company man requested cement crew on location at 0100 12-18-2014						
2	Dec 18,2014 00:40	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Dec 18,2014 01:45	Rig in Complete		--	--	--	--	0.00
4	Dec 18,2014 12:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Dec 18,2014 13:29	Start - Fluid	Water	2.00	160.0	--	2.00	2.00
		Remarks: Fill lines						
6	Dec 18,2014 13:30	Pressure Test Start		--	--	--	--	0.00
7	Dec 18,2014 13:32	Pressure Test Complete		--	--	--	--	0.00
8	Dec 18,2014 13:33	Pump Spacer	Water	4.00	300.0	--	20.00	22.00
		Remarks: Vissweep						
9	Dec 18,2014 13:40	Pump Spacer	Water	4.00	350.0	--	10.00	32.00
		Remarks: Red Dye						
10	Dec 18,2014 13:44	Mix Cement	1:2:6 Poz G Gel	6.00	1,000.0	--	153.00	185.00
		Remarks: Pumped 445 sacks Density 12.5 Yield 1.89 Water 10.14						
11	Dec 18,2014 14:07	Mix Cement	1-1-0 G	6.00	700.0	--	60.00	245.00
		Remarks: Pumped 210 sacks Density 13.5 Yield 1.52 Water 7.12						
12	Dec 18,2014 14:30	Drop Plug		--	--	--	--	245.00
		Remarks: Sanjel plug						
13	Dec 18,2014 14:36	Displace Fluid	Water Based Mud	5.00	180.0	--	221.50	466.50
14	Dec 18,2014 15:29	Bump Plug		--	--	--	--	466.50
		Remarks: Before plug landed pressure was 1030 psi. Landed plug with 1650 psi.						
15	Dec 18,2014 15:31	Check Float		--	--	--	--	466.50
		Remarks: Got 1 bbls back						
16	Dec 18,2014 15:34	Pressure Test		--	--	--	--	466.50
		Remarks: Pressure test casing for 15 min at 1500 psi						
17	Dec 18,2014 15:50	Stop		--	--	--	--	466.50
		Remarks: Got 30 bbls of cement to surface						
18	Dec 18,2014 16:00	Wash		--	--	--	--	0.00
19	Dec 18,2014 16:30	Rig Out		--	--	--	--	0.00
20	Dec 18,2014 17:00	Job Complete		--	--	--	--	0.00
21	Dec 18,2014 17:15	Pre-Departure Meeting		--	--	--	--	0.00
22	Dec 18,2014 17:30	Leave Location		--	--	--	--	0.00

Did Float Hold: Yes  
 Fluid Returns : Yes  
 Type : Cement  
 Volume (bbl) : 30  
 Temperature (°F) : 70  
 FDAS Functioning Correctly : Yes  
 Was the Program Followed As Per Design? : Yes



Treatment Reports & Remarks

Material Transfer Sheet Number

Material Transfer Sheet Number

54408

54409

54410



Client	Whiting Petroleum	Client Rep	Kyle Renton	Supervisor	Armando Lopez
Ticket No.	9201509	Well Name	Razor 330-2811	Unit No.	445052
Location	Sec27:10N:R58W	Job Type	Intermediate Casing	Service District	Ft Lupton Co
Comments	Job Date 12/18/2014				

