



Pumping
Service Report

9191323

Client Name Whiting Petroleum Corp.	Well Name Razor 26I-2315A	Rig 26	Job Date June 11, 2014	Call Sheet 0
Client Representative Kenny Wilkerson	Surface Well Location Sec 26:T10N:R58W	Down Hole Well Location	Job Type Intermediate Casing	

Well Profile

Maximum Treating Pressure (psi):	---
Predicted Bottom Hole Static Temperature (°F):	--- @ --
Bottom Hole Circulating Temperature (°F):	--- @ --
Bottom Hole Logged Temperature (°F):	--- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
8.375	35.000	0.000	1,600.000	--	--

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)
7.000	29.000	---	--	--	--	--	--	0.0	6,005.0

Products

Stage 1

From Depth (ft):	0
To Depth (ft):	5984

Acids/Blends/Fluids:

Lead 1: 455 Sacks of 1-2-6 G, Density = 12.5 lb/gal, Volume Pumped = 160 (bbl)
Water Temperature(°F) = 60, Bulk Temperature(°F) = 60, Slurry Temperature(°F) = 60
Tail: 190 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 54 (bbl)
Water Temperature(°F) = 60, Bulk Temperature(°F) = 60, Slurry Temperature(°F) = 60
Preflush: 20 bbl of Visweep, Density = 10.5 lb/gal
Water Temperature(°F) = 60, Bulk Temperature(°F) = 60, Slurry Temperature(°F) = 60

Fluid & Cement Data

Expected Cement Top: Surface

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Float Collar	5,939.300	Third Party
Guide Shoe	5,984.100	Third Party

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	7.000	Client



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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>
449087	TRAILER	Utility Trailer	201025	PICKUP	1 Ton	06/11/2014 12:15	06/11/2014 19:00
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	06/11/2014 12:15	06/11/2014 19:00
446084	TRAILER	Bulker	746084	TRACTOR	Tandem - Tractor	06/11/2014 12:15	06/11/2014 19:00
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	06/11/2014 12:15	06/11/2014 19:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Price, Ryan	06/11/2014 12:15	06/11/2014 19:00		
Cox, Brandon	06/11/2014 12:15	06/11/2014 19:00		
Barden, Sean	06/11/2014 12:15	06/11/2014 19:00		
Meisner, Jeremy	06/11/2014 12:15	06/11/2014 19:00		
Wright, Isaac	06/11/2014 12:15	06/11/2014 19:00		
Icke, Dean	06/11/2014 12:15	06/11/2014 19:00		

Treatment Reports & Remarks



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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, 2014 12:15	Arrive On Location	---	--	--	--	--	0.00
2	Jun 11, 2014 12:20	Tailgate Meeting	---	--	--	--	--	0.00
3	Jun 11, 2014 12:30	Wait On Instructions	---	--	--	--	--	0.00
Remarks: Ran water lines and transfered cement while rig finished casing								
4	Jun 11, 2014 13:35	Rig In	---	--	--	--	--	0.00
5	Jun 11, 2014 14:40	Safety Meeting	---	--	--	--	--	0.00
6	Jun 11, 2014 15:00	Sign-off on Safety	---	--	--	--	--	0.00
7	Jun 11, 2014 15:06	Pump	Water	--	--	--	--	0.00
Remarks: filled lines for pressure test								
8	Jun 11, 2014 15:08	Pressure Test	---	--	3,500.0	--	--	0.00
9	Jun 11, 2014 15:08	N/A	---	--	--	--	--	0.00
Remarks: mixed 20 bbls of visweep								
10	Jun 11, 2014 15:31	Pump Spacer	Water	5.00	500.0	--	10.00	0.00
11	Jun 11, 2014 15:34	Pump Preflush	Visweep	5.00	500.0	--	20.00	0.00
12	Jun 11, 2014 15:39	Mix Cement	1-2-6 G	4.00	500.0	--	160.00	0.00
13	Jun 11, 2014 16:25	Mix Cement	1-1-0 G	4.50	200.0	--	54.00	0.00
14	Jun 11, 2014 16:41	Drop Plug	---	--	--	--	--	0.00
15	Jun 11, 2014 16:45	Pump Displacement	---	5.00	800.0	--	212.00	0.00
Remarks: Displaced with drilling mudd								
16	Jun 11, 2014 17:30	Bump Plug	---	--	1,450.0	--	--	0.00
17	Jun 11, 2014 17:31	Check Float	---	--	--	--	--	0.00
Remarks: floats held got back.5 bbl back								
18	Jun 11, 2014 17:33	Hold Pressure	---	--	1,500.0	--	--	0.00
Remarks: pressure test casing for 15 min at 1500 psi as per customer request								
19	Jun 11, 2014 17:45	Wash	---	--	--	--	--	0.00
20	Jun 11, 2014 18:20	Rig Out	---	--	--	--	--	0.00
21	Jun 11, 2014 18:45	Job Complete	---	--	--	--	--	0.00
22	Jun 11, 2014 18:55	Pre-Departure Meeting	---	--	--	--	--	0.00
23	Jun 11, 2014 19:00	Leave Location	---	--	--	--	--	0.00

Did Float Hold: Yes

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 52

Temperature (°F) : 70

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

258275

258276

258372



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Comments To Service Report

Job went great. Rig was still running casing so we ran water lines and loaded plug upon arriving. Crew did great job rigging in. Had some minor bulk delivery problems but got them fixed. Company rep was happy with performance. Great job all around.



Client	Whiting Petroleum Corp	Client Rep	Kenny Wilkerson	Supervisor	Ryan Price
Ticket No.	9191323	Well Name	Razor 26I-2315A	Unit No.	745070
Location	Sec 26; T10N; R58W	Job Type	Intermediate Casing	Service District	Fort Lupton
Comments				Job Date	06/11/2014

