

9208107

Client Name Whiting Petroleum Corp.	Well Name Razor Federal 12F-1301A	Rig Unit Drilling Co. 409	Job Date October 05, 2015	Call Sheet 1061330
Client Representative BJ	Surface Well Location SE NE Sec 12:T10N:R58W	Down Hole Well Location	Job Type Intermediate Casing	Lead Supervisor Douglass, Brian (23898)

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)
8.750	35.000	--	--	0.000	6,621.000

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	143.17	8.921	10.625	0.0	1,852.0
7.000	32.000	L-80	8,600.0	9,060.0	238.60	6.094	7.656	0.0	6,614.0

Products

Stage 1

From Depth (ft):	4700
To Depth (ft):	0

Acids/Blends/Fluids :

Lead 1: 470 Sacks of 1-2-6 PozG, Density = 12.5 lb/gal, Volume Pumped = 158 (bbl)
 Water Temperature(°F) = 55 , Bulk Temperature(°F) = 75 , Slurry Temperature(°F) = 78
 + 6 % of Gel (Preblend),
 + 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):	6621
To Depth (ft):	4700

Acids/Blends/Fluids :

Tail: 235 Sacks of 1-1-2 PozG, Density = 13.5 lb/gal, Volume Pumped = 63.5 (bbl)
 Water Temperature(°F) = 55 , Bulk Temperature(°F) = 75 , Slurry Temperature(°F) = 80
 + 2 % of Gel (Preblend),
 + 8 % of SilFume (Preblend),
 + 0.1 % of CFR-5 (Preblend),
 + 0.7 % of CFL-3 (Preblend),
 + 0.2 % of LTR (Preblend),
 + 0.25 lb/sack of Polyflake (Preblend)

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	--	10.000	--	--	Jul 11, 2015 17:09

Attachment & Tools

Tubular Plugs

<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>
Rubber Top	7.000	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>
449093	TRAILER	Utility Trailer	201401	PICKUP	1 Ton	10/05/2015 12:30	10/05/2015 16:40
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	10/05/2015 12:30	10/05/2015 16:40

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Douglass, Brian (23898)	10/05/2015 12:30	10/05/2015 16:40		
Hilt, Brandon (30128)	10/05/2015 12:30	10/05/2015 16:40		
Hansen, Ted (29055)	10/05/2015 12:30	10/05/2015 16:40		
Bark, Eric (28944)	10/05/2015 12:30	10/05/2015 16:40		

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	Oct 05,2015 12:30	Arrive On Location		--	--	--	--	0.00
2	Oct 05,2015 12:40	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Oct 05,2015 13:15	Rig in Complete		--	--	--	--	0.00
4	Oct 05,2015 13:20	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Oct 05,2015 13:25	Pressure Test Start		--	3,500.0	--	--	0.00
6	Oct 05,2015 13:26	Pressure Test Complete		--	--	--	--	0.00
7	Oct 05,2015 13:28	Pump Preflush	Water	5.00	900.0	--	20.00	0.00
8	Oct 05,2015 13:30	Pump	1-2-6 PozG	7.00	800.0	--	158.00	0.00
		Remarks: WR: 10.14 Yield: 1.89 Density: 12.5						
9	Oct 05,2015 13:52	Pump	1-1-2 PozG	7.00	500.0	--	63.50	0.00
		Remarks: WR: 7.12 Yield: 1.52 Density: 13.5						
10	Oct 05,2015 14:09	Drop Plug		--	--	--	--	0.00
11	Oct 05,2015 14:11	Displace Fluid	Water Based Mud	6.50	1,000.0	--	237.00	0.00
12	Oct 05,2015 15:10	Bump Plug		--	1,500.0	--	--	0.00
13	Oct 05,2015 15:13	Check Float		--	--	--	--	0.00
		Remarks: float held						
14	Oct 05,2015 15:15	Stop		--	1,500.0	--	--	0.00
		Remarks: pressure test casing for 15 mins. 1500 PSI						
15	Oct 05,2015 15:35	Rig Out		--	--	--	--	0.00
16	Oct 05,2015 16:15	Job Complete		--	--	--	--	0.00
17	Oct 05,2015 16:30	Pre-Departure Meeting		--	--	--	--	0.00
18	Oct 05,2015 16:40	Leave Location		--	--	--	--	0.00

Did Float Hold: Yes

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 30

Temperature (°F) : 80

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

65913

65914

65915



Client	WHITING PETROLEUM CORP	Client Rep	MR. KENNY WILKERSON	Supervisor	BRIAN DOUGLASS
Ticket No.	9208107	Well Name	RAZOR FEDERAL 12F-1301A	Unit No.	745070
Location	SE NE SEC. 12-T10N-R58W	Job Type	Intermediate Casing	Service District	FORT LUPTON, CO
Comments	SEE JOB LOG FOR DETAILS				
				Job Date	10/05/2015

