



9205973

Client Name Whiting Petroleum Corp.	Well Name Razor Federal 12F-1308B	Rig Unit Drilling Co. 409	Job Date July 09,2015	Call Sheet 1058997
Client Representative Tyson	Surface Well Location SE NW Sec 12:T10N:R58W	Down Hole Well Location	Job Type Surface Casing	Lead Supervisor Doran, Benjamin (27933)

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	--	0.000	1,875.000	--	--

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		--	--	--	--	--	0.0	1,860.6

Products**Treatment Interval 1**

From Depth (ft): 1198

To Depth (ft): 0

Acids/Blends/Fluids :

Lead 1: 350 Sacks of Control Set C, Density = 12 lb/gal, Volume Pumped = 153.3 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 70
+ 0.25 lb/sack of LCL-7 (Preblend)

Treatment Interval 2

From Depth (ft): 1875

To Depth (ft): 1198

Acids/Blends/Fluids :

Tail: 240 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 62.4 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 70
+ 2 % of CaCl₂ (Preblend),
+ 0.25 lb/sack of LCL-7 (Preblend)

Treatment Interval 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

**Attachment & Tools****Tubular Plugs**

<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>
Rubber Top	9.625	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>
201017	PICKUP	1 Ton				07/09/2015 07:00	07/09/2015 11:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	07/09/2015 07:00	07/09/2015 11:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Doran, Benjamin (27933)	07/09/2015 07:00	07/09/2015 11:30		
Melgarejo Herrera, Eduardo (26606)	07/09/2015 07:00	07/09/2015 11:30		
Leue, David (28684)	07/09/2015 07:00	07/09/2015 11:30		
Hall, Austin (28887)	07/09/2015 07:00	07/09/2015 11:30		

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	Jul 09,2015 07:00	Arrive On Location		--	--	--	--	0.00
2	Jul 09,2015 07:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jul 09,2015 08:35	Rig in Complete		--	--	--	--	0.00
4	Jul 09,2015 08:43	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jul 09,2015 09:06	Pressure Test Start		2.00	50.0	--	2.00	0.00
		Remarks: Fill Lines						
6	Jul 09,2015 09:07	Pressure Test Complete		--	3,000.0	--	--	0.00
		Remarks: All Lines held pressure						
7	Jul 09,2015 09:10	Pump Spacer	Water	6.00	122.0	--	10.00	0.00
8	Jul 09,2015 09:13	Mix Cement	Control Set C	8.20	200.0	--	153.30	0.00
		Remarks: Mix/Pump 350 Sacks @ 12 PPG						
9	Jul 09,2015 09:34	Mix Cement	0:1:0 Type III	6.30	250.0	--	62.40	0.00
		Remarks: Mix/Pump 240 Sacks @ 14.2 PPG						
10	Jul 09,2015 09:47	Drop Plug		--	--	--	--	0.00
11	Jul 09,2015 09:48	Displace Fluid	Water	5.50	500.0	--	140.20	0.00
12	Jul 09,2015 10:20	Bump Plug		--	1,000.0	--	--	0.00
		Remarks: 500 Over						
13	Jul 09,2015 10:21	Check Float		--	--	--	--	0.00
14	Jul 09,2015 10:24	Pressure Test		--	2,000.0	--	--	0.00
		Remarks: Casing Test						
15	Jul 09,2015 10:40	Rig Out		--	--	--	--	0.00
16	Jul 09,2015 11:15	Job Complete		--	--	--	--	0.00
17	Jul 09,2015 11:30	Leave Location		--	--	--	--	0.00
Did Float Hold: Yes Fluid Returns : Yes Type : Cement Volume (bbl) : 89 Temperature (°F) : 70 FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes								
Material Transfer Sheet Number <u>Material Transfer Sheet Number</u> 65067 65068								