

Client Name Whiting Petroleum Corp.	Well Name Razor Federal 12F-0104B	Rig Unit Drilling Co. 409	Job Date August 18, 2015	Call Sheet 1060084
Client Representative Kenny	Surface Well Location SE NE Sec 12:T1N:R58W	Down Hole Well Location	Job Type Surface 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)
	13.500	30.000	0.000	1,910.000	--	--

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	145.65	8.921	10.625	0.0	1,884.0

Products

Stage 1
From Depth (ft): 1370
To Depth (ft): 0
Acids/Blends/Fluids :
Lead 1: 355 Sacks of Control Set C, Density = 12 lb/gal, Volume Pumped = 155.5 (bbl)
Water Temperature(°F) = 56 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 78
+ 0.25 lb/sack of LCL-7 (Preblend)

Stage 2
From Depth (ft): 1910
To Depth (ft): 1370
Acids/Blends/Fluids :
Tail: 240 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 62.5 (bbl)
Water Temperature(°F) = 56 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 81
+ 2 % of CaCl2 (Preblend),
+ 0.25 lb/sack of LCL-7 (Preblend)

Stage 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
Water Based Mud	--	--	--	--	Aug 19, 2015 00:19

Attachment & Tools

Tubular Plugs

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

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	201191	PICKUP	1 Ton	08/18/2015 18:30	08/19/2015 01:30
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	08/18/2015 18:30	08/19/2015 01:30
200910	PICKUP	1/2 Ton				08/18/2015 18:30	08/19/2015 01:30
449102	TRAILER	Bulker				08/18/2015 18:30	08/19/2015 01:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Douglass, Brian (23898)	08/18/2015 18:30	08/19/2015 01:30		
Decenick, Scott (30083)	08/18/2015 18:30	08/19/2015 01:30		
Pigg, Martin (28301)	08/18/2015 18:30	08/19/2015 01:30		
Yates, William (29930)	08/18/2015 18:30	08/19/2015 01:30		
Spirek, Matthew (26921)	08/18/2015 18:30	08/19/2015 01:30		
Decenick, Scott (30083)	08/18/2015 18:30	08/19/2015 01:30		

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	Aug 18,2015 18:30	Arrive On Location		--	--	--	--	0.00
2	Aug 18,2015 18:40	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Aug 18,2015 19:30	Rig in Complete		--	--	--	--	0.00
4	Aug 18,2015 22:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Aug 18,2015 22:30	Pressure Test Start		--	2,500.0	--	--	0.00
6	Aug 18,2015 22:31	Pressure Test Complete		--	--	--	--	0.00
7	Aug 18,2015 22:34	Pump Preflush	Water	4.00	100.0	--	20.00	0.00
8	Aug 18,2015 22:44	Pump	Control Set C	6.00	220.0	--	155.50	0.00
9	Aug 18,2015 23:15	Pump	0:1:0 Type III	6.00	220.0	--	62.50	0.00
10	Aug 18,2015 23:25	Drop Plug		--	--	--	--	0.00
11	Aug 18,2015 23:27	Displace Fluid	Water Based Mud	6.00	600.0	--	142.00	0.00
12	Aug 19,2015 00:02	Bump Plug		--	1,100.0	--	--	0.00
13	Aug 19,2015 00:03	Check Float		--	--	--	--	0.00
		Remarks: float held						
14	Aug 19,2015 00:09	Pump		--	1,500.0	--	--	0.00
		Remarks: casing test 1500psi for 30 mins						
15	Aug 19,2015 00:44	Rig Out		--	--	--	--	0.00
16	Aug 19,2015 01:15	Job Complete		--	--	--	--	0.00
17	Aug 19,2015 01:20	Pre-Departure Meeting		--	--	--	--	0.00
18	Aug 19,2015 01:30	Leave Location		--	--	--	--	0.00

Did Float Hold: Yes

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 70

Temperature (°F) : 80

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

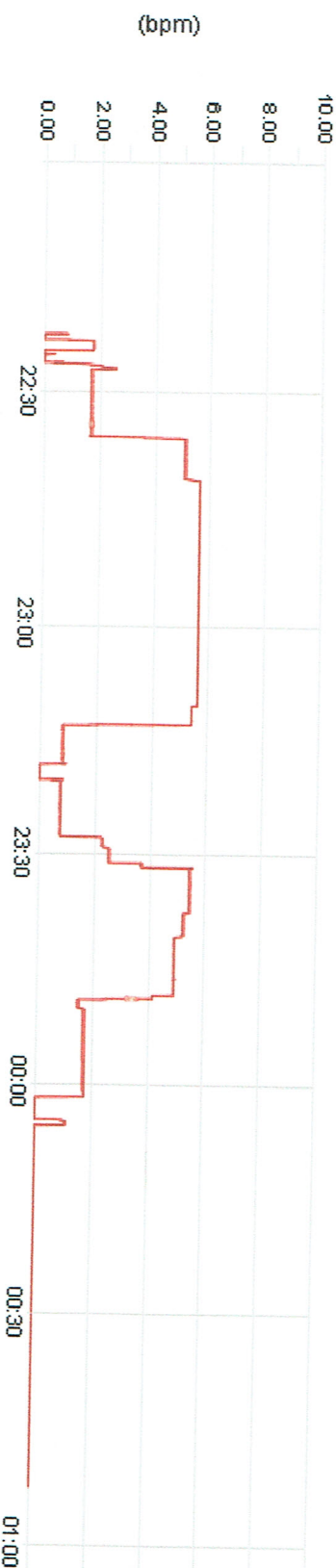
Material Transfer Sheet Number

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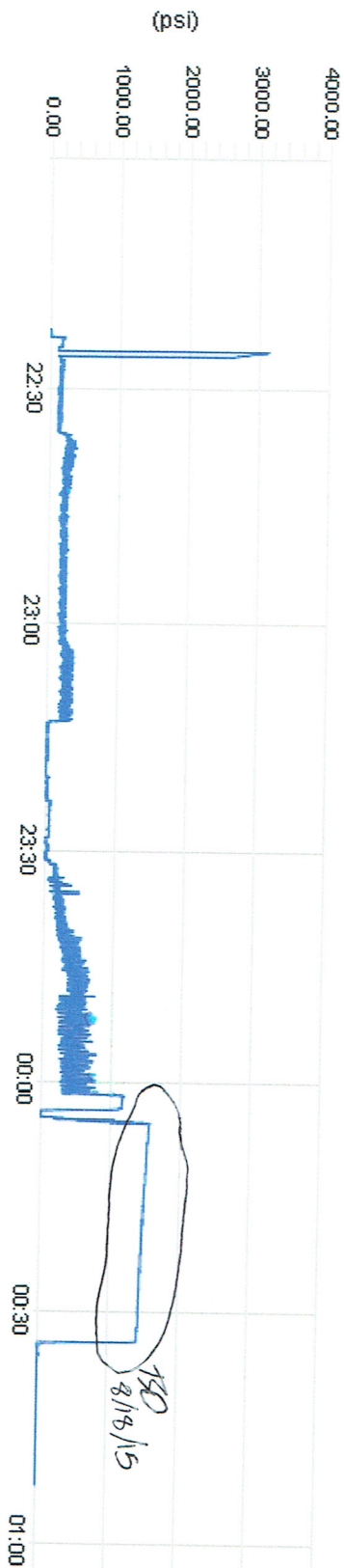
65461

Client	WHITTING PETROLEUM CORP		Client Rep	MR. KENNY WILKERSON	Supervisor	BRIAN DOUGLASS
Ticket No.	9206145	Well Name	RAZOR FEDERAL 12F-0104B		Unit No.	445052
Location	SE NE SEC. 12-T10N-R58W	Job Type	Surface Casing		Service District	FORT LUPTON, CO
Comments	SEE JOB LOG FOR DETAILS				Job Date	08/18/2015

Unit 445052 Rate Total



Unit 445052 Pump Pressure



Unit 445052 Density

