



Well name should
reflect 26I-2316B

**Pumping
Service Report**

9190997

Client Name Whiting Petroleum Corp.	Well Name Razor 26I-2314B	Rig Frontier Drilling 26	Job Date May 20, 2014	Call Sheet 1042145
Client Representative Kenny Wilkerson	Surface Well Location Sec 26:T10N:R58W	Down Hole Well Location	Job Type Liner Casing	

Well Profile

Well Type: Oil

Maximum Treating Pressure (psi): ---

Predicted Bottom Hole Static Temperature (°F): 200.00 @ --

Bottom Hole Circulating Temperature (°F): 200.00 @ --

Bottom Hole Logged Temperature (°F): --- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
7.000	--	0.000	6,000.000	--	--
6.125	30.000	6,000.000	13,741.000	--	--

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	6,000.0
4.500	11.600	L-80	6,350.0	7,780.0	135.34	4.000	5.000	5,033.0	13,741.0

Products

Stage 1

From Depth (ft): 0

To Depth (ft): 13741

Acids/Blends/Fluids :

Tail: 705 Sacks of 1-1-0 G, Density = 13.7 lb/gal, Volume Pumped = 185.8 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80

- + 8 % of SilFume (Preblend),
- + 2 % of Gel (Preblend),
- + 0.1 % of CFR-5 (Preblend),
- + 0.7 % of CFL-4 (Preblend),
- + 1 % of FWCA-H (Preblend),
- + 0.45 % of LTR (Preblend),
- + 0.2 % of AS-3 (Preblend),
- + 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	May 20, 2014 04:37



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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>
449086	TRAILER	Utility Trailer	200868	PICKUP	3/4 Ton	05/20/2014 09:00	05/21/2014 01:35
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	05/20/2014 09:00	05/21/2014 01:35
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	05/20/2014 09:00	05/21/2014 01:35
446167	TRAILER	Bulker	746167	TRACTOR	Tandem - Tractor	05/20/2014 09:00	05/21/2014 01:35

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Contreras, Bennie	05/20/2014 09:00	05/21/2014 01:35		
Feigenbaum, Andrew	05/20/2014 09:00	05/21/2014 01:35		
Barden, Sean	05/20/2014 09:00	05/21/2014 01:35		
Icke, Dean	05/20/2014 09:00	05/21/2014 01:35		
Lindsay, Kevin	05/20/2014 09:00	05/21/2014 01:35		

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	May 20,2014 09:00	Arrive On Location	---	--	--	--	--	0.00
		Remarks: Arrived on location.						
2	May 20,2014 09:10	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: Talked about spotting trucks and rigging in.						
3	May 20,2014 09:20	Rig In	---	--	--	--	--	0.00
		Remarks: Rigged water and cement hoses to pump and iron to well head and backside.						
4	May 20,2014 15:45	Safety Meeting	---	--	--	--	--	0.00
		Remarks: Talked nearest med., amb. driver, 911 caller, location safety equip., job scope.						
5	May 20,2014 16:20	Sign-off on Safety	---	--	--	--	--	0.00
		Remarks: Sign all JSA.						
6	May 20,2014 16:22	Pressure Test	Water	--	5,000.0	--	--	0.00
		Remarks: Pressure test to 5000 psi. and backside to 2000 psi.						
7	May 20,2014 18:25	Pump Preflush	Water	4.00	1,200.0	--	30.00	30.00
		Remarks: Pumped 30 BBLs of visweep.						
8	May 20,2014 18:30	Pump Spacer	Water	2.00	750.0	--	10.00	40.00
		Remarks: Pumped 10 BBLs of fresh water spacer.						
9	May 20,2014 18:31	Mix Cement	1-1-0 G	4.00	1,250.0	--	185.80	225.80
		Remarks: Mix and pump 705 SKs @ 13.7 lb/gal.						
10	May 20,2014 19:48	Drop Plug	---	--	--	--	--	225.80
		Remarks: rig off valve and hose to clean out, rig back on and drop ball.						
11	May 20,2014 20:05	Displace Fluid	Water	4.00	46.0	--	164.30	390.10
		Remarks: Displace 151 BBLs of water to bump plug.						
12	May 20,2014 20:49	Stop	---	--	--	--	--	390.10
		Remarks: Stop						
13	May 20,2014 23:31	Pressure Test	Water	--	1,500.0	--	--	390.10
		Remarks: Backside pressure test 1500 psi for 15 minutes.						
14	May 20,2014 23:46	Pump Out Lines	Water	4.00	750.0	--	148.00	538.10
		Remarks: Rolled hole for bioside.						
15	May 21,2014 00:20	Stop	---	--	--	--	--	538.10
		Remarks: stop						
16	May 21,2014 00:22	Wash	Water	1.70	170.0	--	20.00	558.10
		Remarks: Wash mix system and runbacks on triplexes.						
17	May 21,2014 00:50	Rig Out	---	--	--	--	--	558.10
		Remarks: Rig down iron.						
18	May 21,2014 01:20	Job Complete	---	--	--	--	--	558.10
		Remarks: Job complete						
19	May 21,2014 01:21	Pre-Departure Meeting	---	--	--	--	--	558.10
		Remarks: Journey management.						
20	May 21,2014 01:35	Leave Location	---	--	--	--	--	558.10
		Remarks: Leave						



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Treatment Reports & Remarks

Did Float Hold: Yes
Fluid Returns : Yes
Type : Cement
Volume (bbl) : 30
Temperature (°F) : 89
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

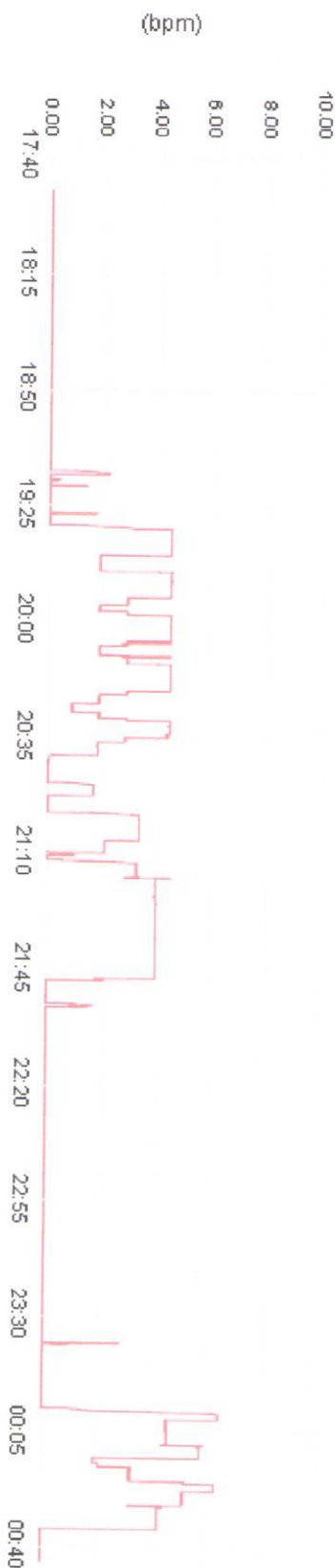
Material Transfer Sheet Number

Material Transfer Sheet Number
46147
46108

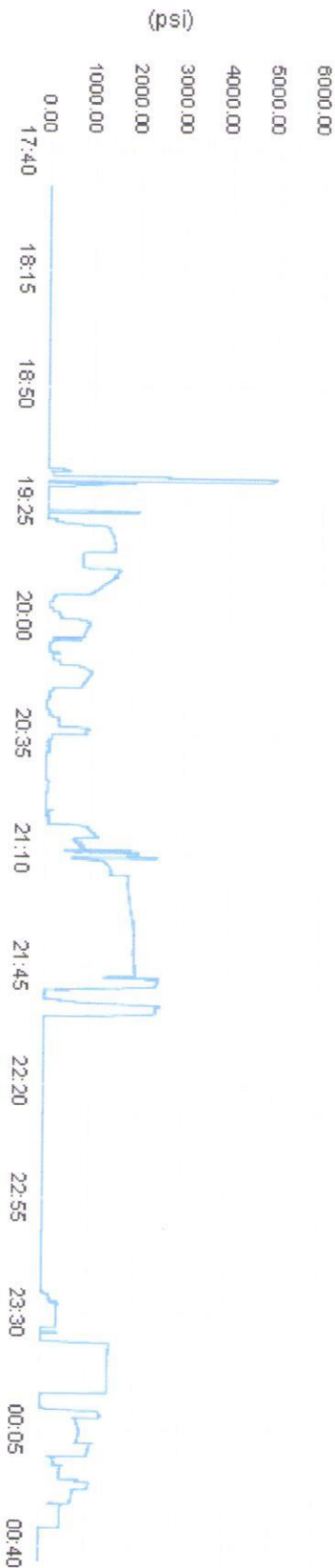


Client	Whiting Petroleum Corp.	Client Rep	Mr. Kenny Wilkerson	Supervisor	Bennie Contreras
Ticket No.	9190997	Well Name	Razor 261-2314B	Unit No.	445032
Location	Sec26:T10N:R58W	Job Type	Liner Casing	Service District	Fort Lupton
Comments	710 Skis 1-1-0 G Density 13.7 lb/gal			Job Date	05/20/2014

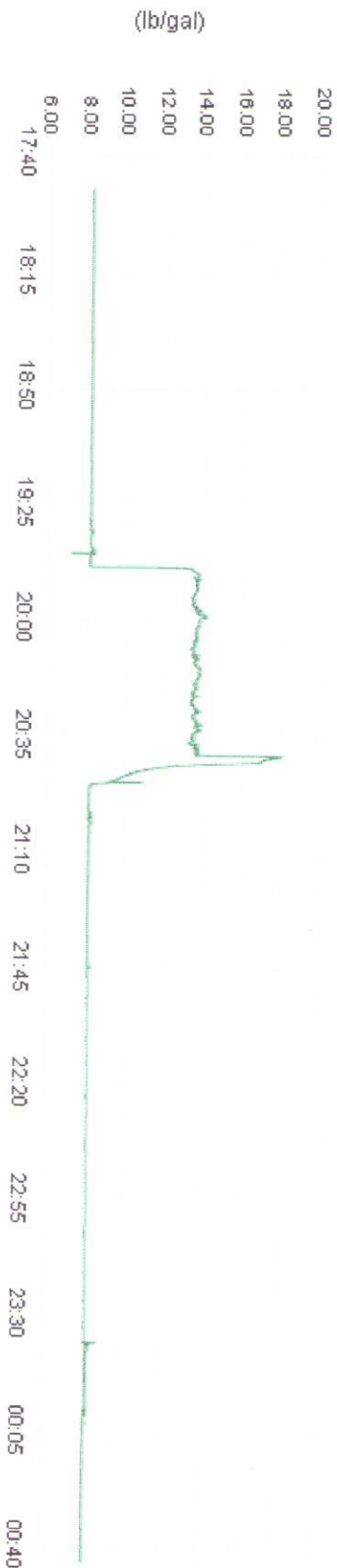
Unit 445032 Rate Total



Unit 445032 Pump Pressure



Unit 445032 Density



PRE-JOB SAFETY MEETING - JOB SAFETY ANALYSIS (JSA)

Customer Name: Whiting Petroleum Corp. Date: 5-20-14 Service Ticket No.: 9190997

Total People on Location: 160 Location: Sec. 26: T10N: R58W

Emergency Response Plan: (muster point, emergency procedures, location of emergency shower, eyewash station, fire extinguishers, first aid kits)
Muster Lease Ent. Company Rep 911, Sanjel Pickup for Amb. if needed, Nearest Med. ~~Facility~~, Locate safety eqpt. in Sanjel trucks, nearest med. Ft. Morgan
 How do we signal "STOP WORK"? Cross hands overhead, over radio, One long horn blast

Safety Meeting Discussion: (Topics should include brief job scope, PPE, site specific hazards, environmental issues, people's responsibilities)
Safety glasses, hard hat, FR coveralls, steel toe boots to be worn at all times, Be Aware of slips, trips, Falls, overhead lifting, use tag lines, Job scope, Muster point, 911 caller, Ambulance driver, nearest medical, stay off rig floor and away from iron when pressure testing.

Job Safety Analysis:

1. Break the job down into steps.	2. Identify the hazards associated with each step.	3. Develop ways to control the hazards.
Sequence of Basic Job Steps	Potential Hazards	Recommended Controls
spot trucks	Backing into something	2 man spotting
rig in	Pinch Points	watch hand placement
Pump job	loss of communication	keep communication at all times
rig out	Heavy lifting	2 man lift

Attendees: (Print name and sign. If there are not enough lines use a second document from this book and enter the same Service Ticket No.)

Kerry Lindsey Kevin Fung Dean Dupin (UCS)
Andrew Feigenbaum Yung Lay Walters
Sarah Baer Joe
Dean Talar Ypouk
Sh. Gabe Chitahood
Bot James

Customer Representative:

Mr. Kenny Wilkerson
 Print Name

Signature

Sanjel Supervisor:

Bennie Contreras
 Print Name

Signature