



Pumping Service Report

9200830

Client Name Whiting Petroleum Corp.	Well Name Motis 2	Rig SoS 21	Job Date November 17,2014	Call Sheet 1050538
Client Representative Dave Norris	Surface Well Location Sec 1:T9N:R58W	Down Hole Well Location	Job Type Abandonment Plugs	

Well Profile

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

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)
8.625	24.000	J-55	1,370.0	2,950.0	23.63	8.097	9.625	0.0	371.0
5.500	15.500	J-55	4,040.0	4,810.0	149.47	4.950	6.050	0.0	6,280.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	8,100.000	5.920	1.995	2.910	0.000	1,530.000

Products

Plug 1

From Depth (ft): 1525
To Depth (ft): 1483
Plug Type : Abandonment
Acids/Blends/Fluids :
Plug: 55 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 11.3 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50
+ 0.5 % of CFL-3 (Preblend),
+ 0.5 % of CFR-2 (Preblend),
+ 1 % of CaCl2 (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 1483

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.330	--	--	Oct 15, 2014 20:49



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Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201274	PICKUP	3/4 Ton				11/17/2014 09:00	11/17/2014 15:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	11/17/2014 09:00	11/17/2014 15:30
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	11/17/2014 09:00	11/17/2014 15:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Maguire, Matthew	11/17/2014 09:00	11/17/2014 15:30		
Cheal, Samuel	11/17/2014 09:00	11/17/2014 15:30		
Crane, Troy	11/17/2014 09:00	11/17/2014 15:30		
Tylo, Christopher	11/17/2014 09:00	11/17/2014 15:30		

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	Nov 17, 2014 09:00	Arrive On Location		--	--	--	--	0.00
2	Nov 17, 2014 09:10	Tailgate Meeting		--	--	--	--	0.00
		Remarks: Filled out JSA.						
3	Nov 17, 2014 10:30	Rig In		--	--	--	--	0.00
4	Nov 17, 2014 12:55	STEACS Briefing		--	--	--	--	0.00
5	Nov 17, 2014 13:05	Sign-off on Safety		--	--	--	--	0.00
6	Nov 17, 2014 13:13	Start - Fluid	Water	3.00	35.0	--	1.00	1.00
		Remarks: Filled lines.						
7	Nov 17, 2014 13:16	Pressure Test Lines		--	1,000.0	--	--	1.00
		Remarks: All lines held pressure.						
8	Nov 17, 2014 13:18	Injection Test	Water	1.50	300.0	--	2.00	3.00
9	Nov 17, 2014 13:28	Mix Cement	0-1-0 G	1.50	300.0	--	11.30	14.30
		Remarks: 6.6 bbls mix water.						
10	Nov 17, 2014 13:37	Displace Fluid	Water	1.50	60.0	--	5.00	19.30
		Remarks: Left 0.5 bbls slurry on top of retainer per Mr. David Norris.						
11	Nov 17, 2014 13:40	Stop		--	--	--	--	19.30
12	Nov 17, 2014 13:48	Reverse Circulate	Water	2.00	260.0	--	50.00	69.30
		Remarks: Revers circulate 50 bbls per Mr. David Norris.						
13	Nov 17, 2014 14:08	Stop		--	--	--	--	69.30
14	Nov 17, 2014 14:15	Wash	Water	150.00	100.0	--	20.00	69.30
15	Nov 17, 2014 14:45	Rig Out		--	--	--	--	69.30
16	Nov 17, 2014 15:00	Pre-Departure Meeting		--	--	--	--	69.30
17	Nov 17, 2014 15:15	Job Complete		--	--	--	--	69.30
18	Nov 17, 2014 15:25	Leave Location		--	--	--	--	69.30



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Treatment Reports & Remarks

Did Float Hold: Not Applicable
Fluid Returns : Not Expected
Type :
Volume (bbl) :
Temperature (°F) : --
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number
9629
9643

Comments To Service Report

Arrive location, tailgate meeting and JSA. Rig was not ready so we waited for them. I talked with Mr. Dave Norris and got numbers. We spotted trucks and rigged in what we could. Rig finished and we finished rigging in, had STEACS briefing, signed off on safety, filled lines w/ 1 bbl, PT 1000psi, 2 bbls for injection test, 11.3 bbls slurry @ 15.8 density, (6.6 bbls mix h2o), 5 bbls displacement leaves 0.5 bbls slurry on top of retainer per Mr. David Norris, reverse circulate 50 bbls per Mr. David Norris, stop, wash up, pre departure meeting, safely leave location.



Client	Whiting Petroleum Corporation	Client Rep	Mr. Dave Norris	Supervisor	Matthew Maguire
Ticket No.	9200830	Well Name	Motis 2	Unit No.	445047
Location	Sec 1:T3N:R58W	Job Type	Miscellaneous Pumping	Service District	505
Comments	Fill lines w/ 1 bbl, PT 1000psi, injection test, 11.3 bbls slurry @ 15.8 density, (6.6 bbls mix h2o), 5 bbls displacement leaves 1 bbl slurry on top of retainer per Mr. David Norris, reverse circulate 10 bbls per Mr. David Norris, stop, wash up, pre departure meeting, safely leave location.			Job Date	11/17/2014

