



# Pumping Service Report

9200833

Client Name Whiting Petroleum Corp.	Well Name Motis 2	Rig SoS 21	Job Date November 20,2014	Call Sheet 1050733
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

## Products

### Plug 1

From Depth (ft):	75
To Depth (ft):	0
Plug Type :	Abandonment
Acids/Blends/Fluids :	
Tail: 25 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 5.1 (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: Surface

### Wellbore Fluid

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

## 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				11/20/2014 02:30	11/20/2014 12:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	11/20/2014 02:30	11/20/2014 12:00
746506	BODY JOB	Baby Bulker				11/20/2014 02:30	11/20/2014 12:00

### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Maguire, Matthew	11/20/2014 02:30	11/20/2014 12:00		
Morris, Theodore	11/20/2014 02:30	11/20/2014 12:00		
Martinez, Fernando	11/20/2014 02:30	11/20/2014 12:00		
Yates, William	11/20/2014 02:30	11/20/2014 12:00		



**Pumping  
Service Report**

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**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 20,2014 02:30	Arrive On Location		--	--	--	--	0.00
2	Nov 20,2014 07:00	Tailgate Meeting		--	--	--	--	0.00
3	Nov 20,2014 07:15	Rig In		--	--	--	--	0.00
4	Nov 20,2014 09:15	STEACS Briefing		--	--	--	--	0.00
5	Nov 20,2014 09:25	Sign-off on Safety		--	--	--	--	0.00
6	Nov 20,2014 09:40	Establish Circulation	Water	2.00	40.0	--	2.00	2.00
Remarks: We had circulation.								
7	Nov 20,2014 09:43	Pressure Test Lines		--	500.0	--	--	2.00
Remarks: All lines held pressure.								
8	Nov 20,2014 09:51	Mix Cement	0-1-0 G	1.50	17.0	--	5.10	7.10
9	Nov 20,2014 09:55	Stop		--	--	--	--	7.10
10	Nov 20,2014 10:01	Pump Out Lines	Water	2.00	26.0	--	5.00	12.10
Remarks: Lines were verified clean by rig crew.								
11	Nov 20,2014 10:06	Stop		--	--	--	--	12.10
12	Nov 20,2014 10:08	Pump	Water	0.25	0.0	--	0.50	12.60
Remarks: Washed out BOP.								
13	Nov 20,2014 10:10	Stop		--	--	--	--	12.60
14	Nov 20,2014 10:20	Wash	Water	1.50	100.0	--	20.00	12.60
15	Nov 20,2014 10:50	Rig Out		--	--	--	--	12.60
16	Nov 20,2014 11:00	Pre-Departure Meeting		--	--	--	--	12.60
17	Nov 20,2014 11:10	Job Complete		--	--	--	--	12.60
18	Nov 20,2014 11:15	Leave Location		--	--	--	--	12.60

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  
54034  
54035

**Comments To Service Report**

Arrive location, tailgate meeting and JSA, stage trucks, rig-in, establish circulation w/ 2 bbls, PT 500psi, 5.1 bbls slurry @ 15.8 density, (2.9 bbls mix h2o), flush rig's lines w/ 5bbls water, Flush out BOP, stop, wash up, pre departure meeting, safely leave location.



Client	Whiting Petroleum Corporation	Client Rep	Mr. Dave Norris	Supervisor	Matthew Maguire
Ticket No.	9200833	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, establish circulation, 5.1 bbls slurry @ 15.8 density, (2.9 bbls mix h2o), flush lines, reverse circulate ?? bbls per Mr. David Norris, stop, wash up, pre departure meeting, safely leave location.			Job Date	11/20/2014

