



# Pumping Service Report

9188029

Client Name Whiting Petroleum Corp.	Well Name Nelson #1	Job Date February 10, 2014	Call Sheet 1037540
Client Representative Mr Mick Helburg	Location Sec 20:T10N:R58W	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):	---	@	--

## Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
10.000	--	100.000	400.000	--	--

## 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)
5.500	17.000	J-55	4,910.0	5,320.0	9.21	4.892	6.050	0.0	396.0

## Products

### Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Tail: 235 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 48.2 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60

+ 1 % of CaCl<sub>2</sub> (Preblend),

+ 0.25 lb/sack of Polyflake

## Fluid & Cement Data

Expected Cement Top: --

### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded @
Water	--	8.300	--	--	Feb 06, 2014 07:32

## Attachment & Tools

### Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	5.500	Sanjel



# Pumping Service Report

9188029

## Units & Personnel

### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449086	TRAILER	Utility Trailer	201191	PICKUP	1 Ton	02/10/2014 12:30	02/10/2014 17:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	02/10/2014 12:30	02/10/2014 17:30
446173	TRAILER	Bulker	746173	TRACTOR	Tandem - Tractor	02/10/2014 12:30	02/10/2014 17:30

### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Hardwick, Waco	02/10/2014 12:30	02/10/2014 17:30		
Cox, Brandon	02/10/2014 12:30	02/10/2014 17:30		
Lampp III, Larry	02/10/2014 12:30	02/10/2014 17:30		
Davila, Israel	02/10/2014 12:30	02/10/2014 17:30		

## 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	Feb 10,2014 12:30	Arrive On Location		--	--	--	--	0.00
2	Feb 10,2014 12:45	Tailgate Meeting		--	--	--	--	0.00
3	Feb 10,2014 13:15	Rig In		--	--	--	--	0.00
4	Feb 10,2014 14:55	Safety Meeting		--	--	--	--	0.00
5	Feb 10,2014 15:15	Sign-off on Safety		--	--	--	--	0.00
6	Feb 10,2014 15:30	Establish Circulation	Water	2.00	50.0	0.0	1.50	1.50
Remarks: establish an injection rate prior to cement.								
7	Feb 10,2014 15:33	Pressure Test	Water	0.30	1,500.0	0.0	0.50	2.00
8	Feb 10,2014 15:42	Pump	0-1-0 G	2.00	100.0	0.0	41.00	43.00
9	Feb 10,2014 16:02	Drop Plug		--	--	--	--	43.00
10	Feb 10,2014 16:04	Displace Fluid	Water	2.00	90.0	0.0	9.20	52.20
Remarks: Displaced plug to bottom of 51/2 @ 396 ft.								
11	Feb 10,2014 16:15	Wash	Water	--	--	--	25.00	52.20
12	Feb 10,2014 16:55	Rig Out		--	--	--	--	52.20
13	Feb 10,2014 17:15	Job Complete		--	--	--	--	52.20
14	Feb 10,2014 17:25	Pre-Departure Meeting		--	--	--	--	52.20
15	Feb 10,2014 17:30	Leave Location		--	--	--	--	52.20

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 8

Temperature (°F) : 75

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

### Material Transfer Sheet Number

Material Transfer Sheet Number

44267



**Pumping  
Service Report**

**9188029**



Client	Whiting Petroleum Corp.	Client Rep	Mike Staab	Supervisor	Waco Hard Wick
Ticket No.	9188029	Well Name	Nelson #1	Unit No.	445047
Location	Sec.20:T10N:R58W	Job Type	Abandonment Plugs	Service District	Ft Lupton, CO.
Comments				Job Date	02/10/2014

