



**Pumping
Service Report**

9198018

Client Name Anadarko Petroleum Corporation	Well Name Bulthaupt 10-6	Rig Ensign Drilling Inc. 320	Job Date September 04, 2014	Call Sheet 1046563
Client Representative Mr. Logan Lehnert	Surface Well Location Sec 6:T1N:R69W	Down Hole Well Location	Job Type Cement Misc.	

Well Profile

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

Casing

Size	Weight	Grade	Collapse Pressure	Internal Yield Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
12.250	0.000	J-55	--	--	--	--	--	0.0	668.0
8.625	24.000	J-55	1,370.0	2,950.0	25.67	8.097	9.625	668.0	1,071.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
1.660	2.400	J-55	8,490.000	1.980	1.380	2.200	0.000	1,071.000

Products

Plug 1

From Depth (ft): 610
To Depth (ft): 1071
Plug Type : Abandonment
Acids/Blends/Fluids :
Tail: 105 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 25 (bbl)
Water Temperature(°F) = 80 , Bulk Temperature(°F) = 75 , Slurry Temperature(°F) = 92
+ 0.25 lb/sack of Polyflake (Preblend),
+ 0.5 % of CaCl₂ (Preblend),
+ 0.3 % of CFR-2 (Preblend),
+ 0.3 % of CFL-3 (Preblend),
+ 0.4 % of CDF-4P (Preblend)

Fluid & Cement Data

Expected Cement Top:		Depth (ft): 610			
Wellbore Fluid					
<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>
Water	--	8.400	--	--	Sep 03, 2014 19:29



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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>
201273	PICKUP	3/4 Ton				09/04/2014 06:30	09/04/2014 09:15
740004	BODY JOB	C & A				09/04/2014 06:30	09/04/2014 09:15
446081	TRAILER	Bulker	746081	TRACTOR	Tandem - Tractor	09/04/2014 06:30	09/04/2014 09:15

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Schneider, Patrick	09/04/2014 06:30	09/04/2014 09:15		
Cheal, Samuel	09/04/2014 06:30	09/04/2014 09:15		
Laeger, Kacey	09/04/2014 06:30	09/04/2014 09:15		
Byczynski, Michael	09/04/2014 06:30	09/04/2014 09:15		

Treatment Reports & Remarks

Treatment Report

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	Sep 04,2014 06:30	Arrive On Location	---	--	--	--	--	0.00
2	Sep 04,2014 06:35	Tailgate Meeting	---	--	--	--	--	0.00
3	Sep 04,2014 06:45	Rig In	---	--	--	--	--	0.00
4	Sep 04,2014 07:15	Safety Meeting	---	--	--	--	--	0.00
5	Sep 04,2014 07:45	Sign-off on Safety	---	--	--	--	--	0.00
6	Sep 04,2014 07:51	Pressure Test Lines	Water	--	2,000.0	--	--	0.00
		Remarks: good pressure test						
7	Sep 04,2014 07:54	Establish Circulation	Water	2.00	400.0	--	5.00	5.00
		Remarks: fresh water preflush						
8	Sep 04,2014 07:58	Pump Preflush	Water	2.00	400.0	--	20.00	25.00
		Remarks: well seal						
9	Sep 04,2014 08:09	Pump Spacer	Water	2.00	400.0	--	5.00	30.00
		Remarks: fresh water spacer						
10	Sep 04,2014 08:11	Mix Cement	0:1:0 Type III	2.00	700.0	--	25.00	55.00
		Remarks: tail cement @ 14.8 ppg yield = 1.33 h2o req = 6.31						
11	Sep 04,2014 08:24	Displace Fluid	Water	2.00	100.0	--	1.50	56.50
12	Sep 04,2014 08:25	Finish Displacement	---	--	0.0	--	--	56.50
13	Sep 04,2014 08:30	Rig Out	---	--	--	--	--	0.00
14	Sep 04,2014 09:00	Job Complete	---	--	--	--	--	0.00
15	Sep 04,2014 09:05	Pre-Departure Meeting	---	--	--	--	--	0.00
16	Sep 04,2014 09:15	Leave Location	---	--	--	--	--	0.00