



**Pumping
Service Report**

9193267

Client Name Anadarko Petroleum Corporation	Well Name Loveland 8-3	Rig ECWS 22	Job Date September 11, 2014	Call Sheet 1046914
Client Representative Bill Smith	Surface Well Location SE NE Sec 3:T4N:R67W	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):	--- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
8.500	--	--	--	--	--

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
1.050	0.000	J-55	--	--	--	--	--	--

Products

Plug 1

From Depth (ft):	518
To Depth (ft):	1521
Plug Type :	Abandonment

Acids/Blends/Fluids :

Tail: 260 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 61.5 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60
+ 0.5 % of CaCl₂,
+ 0.3 % of CFR-2,
+ 0.3 % of CFL-3,
+ 0.25 lb/sack of Polyflake,
+ 0.4 % of CDF-4P (Preblend)

Fluid & Cement Data

Expected Cement Top: --					
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	--	--	Aug 05, 2014 17:19



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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				09/11/2014 07:00	09/11/2014 09:30
740004	BODY JOB	C & A				09/11/2014 07:00	09/11/2014 09:30
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	09/11/2014 07:00	09/11/2014 09:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Douglass, Brian	09/11/2014 07:00	09/11/2014 09:30		
Laeger, Kacey	09/11/2014 07:00	09/11/2014 09:30		
Cheal, Samuel	09/11/2014 07:00	09/11/2014 09:30		
Davila, Israel				

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	Sep 11, 2014 07:00	Arrive On Location		--	--	--	--	0.00
2	Sep 11, 2014 07:05	Tailgate Meeting		--	--	--	--	0.00
3	Sep 11, 2014 07:10	Rig In		--	--	--	--	0.00
4	Sep 11, 2014 07:30	Safety Meeting		--	--	--	--	0.00
5	Sep 11, 2014 07:35	Sign-off on Safety		--	--	--	--	0.00
6	Sep 11, 2014 07:40	Pressure Test		--	--	--	--	0.00
		Remarks: 2000 psi Lines held						
7	Sep 11, 2014 07:45	Establish Circulation	Water	2.00	600.0	--	5.00	5.00
		Remarks: Good circulation						
8	Sep 11, 2014 07:45	Pump Preflush	Water	2.00	600.0	--	10.00	15.00
		Remarks: Sapp						
9	Sep 11, 2014 08:00	Mix Cement	0:1:0 Type III	2.00	1,000.0	--	61.00	76.00
		Remarks: 14.8 lb/gal						
10	Sep 11, 2014 08:30	Displace Fluid	Water	1.00	550.0	--	1.50	76.00
		Remarks: Displace to balance						
11	Sep 11, 2014 08:32	Stop		--	--	--	--	76.00
12	Sep 11, 2014 08:40	Wash	Water	--	--	--	15.00	76.00
13	Sep 11, 2014 08:55	Rig Out		--	--	--	--	0.00
14	Sep 11, 2014 09:00	Job Complete		--	--	--	--	0.00
15	Sep 11, 2014 09:15	Pre-Departure Meeting		--	--	--	--	0.00
16	Sep 11, 2014 09:30	Leave Location		--	--	--	--	0.00