



# Cementing Service Report

9208522

Client Name Anadarko Petroleum Corporation	Well Name Frank 23 - 31	Rig Concord Well Servicing 2	Job Date March 08, 2016	Call Sheet 1065524
Client Representative Mr. Jay Chandler	Surface Well Location SE SW Sec 31:T4N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor

## 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):	--- @ --

## Products

### Plug 1

From Depth (ft):  
To Depth (ft):  
Plug Type : Abandonment  
Acids/Blends/Fluids :  
Plug: 170 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 40 (bbl)  
+ 0.5 % of CaCl<sub>2</sub> (Preblend),  
+ 0.3 % of CFR-2 (Preblend),  
+ 0.3 % of CFL-3 (Preblend),  
+ 0.4 % of CDF-4P (Preblend),  
+ 0.25 lb/sack of Polyflake (Preblend)

## Fluid & Cement Data

Expected Cement Top: --					
<b>Wellbore Fluid</b>					
<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	--	--	--	--	Dec 23, 2015 10:00

## Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449093	TRAILER	Utility Trailer	201163	PICKUP	1 Ton	03/08/2016 09:00	03/08/2016 12:00
445046	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	03/08/2016 09:00	03/08/2016 12:00
746089	TRACTOR	Tandem - Tractor	746089	TRACTOR	Tandem - Tractor	03/08/2016 09:00	03/08/2016 12:00

### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Wilcox, Kevin (18633)	03/08/2016 09:00	03/08/2016 12:00		
Merkel, Scott (18103)	03/08/2016 09:00	03/08/2016 12:00		
Emeline, Douglas (20690)	03/08/2016 09:00	03/08/2016 12:00		

### 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	Mar 08,2016 09:00	Arrive On Location		--	--	--	--	0.00
2	Mar 08,2016 09:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 08,2016 09:55	Rig in Complete		--	--	--	--	0.00
4	Mar 08,2016 10:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 08,2016 10:22	Pressure Test Start	Water	--	2,500.0	--	--	0.00
6	Mar 08,2016 10:23	Pressure Test Complete		--	--	--	--	0.00
7	Mar 08,2016 10:24	Pump Preflush	Water	1.80	500.0	--	10.00	10.00
		Remarks: FRESH WATER						
8	Mar 08,2016 10:28	Mix Cement	0:1:0 Type III	1.80	700.0	--	40.00	50.00
		Remarks: YIELD 1.33, MIXED AND PUMPED AT 14.8 PPG						
9	Mar 08,2016 10:50	Pump Displacement	Water	1.80	800.0	--	1.50	51.50
		Remarks: FRESH WATER						
10	Mar 08,2016 10:51	Stop		--	--	--	--	51.50
11	Mar 08,2016 11:00	Wash		--	--	--	--	51.50
12	Mar 08,2016 11:20	Rig Out		--	--	--	--	51.50
13	Mar 08,2016 11:50	Pre-Departure Meeting		--	--	--	--	51.50
14	Mar 08,2016 11:58	Job Complete		--	--	--	--	51.50
15	Mar 08,2016 12:00	Leave Location		--	--	--	--	51.50

Did Float Hold:

Fluid Returns : Not Expected

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes