



# Cementing Service Report

9210078

Client Name Anadarko Petroleum Corporation	Well Name St Vrain 31-34	Rig Concord Well Servicing 5	Job Date December 22, 2015	Call Sheet 1063443
Client Representative Mr. Rodrigo Viera	Surface Well Location SW NW Sec 34:T3N:R68W	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): --- @ ---

Open Hole	Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
	8.500	--	703.000	1,296.000	703.000	1,296.000

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)
	8.625	24.000	J-55	1,370.0	2,950.0	44.77	8.097	9.625	0.0	703.0
	4.500	11.600	J-55	4,960.0	5,350.0	20.21	4.000	5.000	0.0	1,300.0

Tubing	Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
	1.660	2.400	J-55	8,490.000	2.400	1.380	2.200	0.000	1,296.000

## Products

### Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 130 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 40.5 (bbl)  
 Water Temperature (°F) = 55, Bulk Temperature (°F) = 55, Slurry Temperature (°F) = 55  
 + 2 % of Gypsum (Preblend),  
 + 2 % of CaCl<sub>2</sub> (Preblend),  
 + 2 % of SMS (Preblend)

## Fluid & Cement Data

Expected Cement Top: Depth (ft): 380

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 02, 2015 09:59



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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
201168	PICKUP	1 Ton	449087	TRAILER	Utility Trailer	12/22/2015 08:30	12/22/2015 11:30
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	12/22/2015 08:30	12/22/2015 11:30
746508	BODY JOB	Baby Bulker				12/22/2015 08:30	12/22/2015 11:30

### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Prigmore, Dominic (27161)	12/22/2015 08:30	12/22/2015 11:30		
Leue, David (28684)	12/22/2015 08:30	12/22/2015 11:30		
Pyfer, Kevin (29802)	12/22/2015 08:30	12/22/2015 11:30		



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## Treatment Reports &amp; 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	Dec 22, 2015 08:30	Arrive On Location		--	--	--	--	0.00
2	Dec 22, 2015 08:37	Crew Briefing (Rig In)		--	--	--	--	0.00
3	Dec 22, 2015 09:15	Rig In Complete		--	--	--	--	0.00
4	Dec 22, 2015 09:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Dec 22, 2015 10:03	Pressure Test Start	Water	--	1,900.0	--	--	0.00
6	Dec 22, 2015 10:05	Pressure Test Complete	Water	--	1,900.0	--	--	0.00
		Remarks: Good P.T						
7	Dec 22, 2015 10:07	Establish Circulation	Water	3.00	800.0	--	5.00	5.00
		Remarks: Circulation present.						
8	Dec 22, 2015 10:08	Pump Preflush	Water	3.90	1,500.0	--	20.00	25.00
		Remarks: SMS						
9	Dec 22, 2015 10:14	Pump Spacer	Water	3.90	1,800.0	--	5.00	30.00
10	Dec 22, 2015 10:15	Mix Cement	Control Set C	2.50	1,100.0	--	40.50	70.50
		Remarks: T.O.C 380'						
11	Dec 22, 2015 10:23	Displace Fluid	Water	--	--	--	1.50	72.00
		Remarks: displaced to balance.						
12	#Error	Job Complete		--	--	--	--	72.00
13	#Error	Leave Location		--	--	--	--	72.00

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

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63137

63138