



## Cementing Service Report

9209886

Client Name Anadarko Petroleum Corporation	Well Name HSR Jenkins 14 - 31	Rig Leed 723	Job Date January 29, 2016	Call Sheet 1064425
Client Representative Mr. Ryan Thompson	Surface Well Location SE SW Sec 31:T4N:R66W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Bradenhead Squeeze	Lead Supervisor Lopez, Armando (29064)

### 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)
10.000	--	436.000	1,047.000	--	--

### 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)
8.625	24.000		--	--	--	--	--	0.0	436.0
4.500	11.600		--	--	--	--	--	0.0	7,400.0

### 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	0.000		--	--	--	--	0.000	1,047.000

### Products

#### Plug 1

From Depth (ft): 300

To Depth (ft): 1047

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 240 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 57 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60

+ 0.5 % of CaCl<sub>2</sub> (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 300

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 29, 2014 06:51



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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>
449084	TRAILER	Utility Trailer	201352	PICKUP	1 Ton	01/29/2016 11:00	01/29/2016 14:00
445044	TRAILER	SCM Twin	745044	TRACTOR	Tandem - Tractor	01/29/2016 11:00	01/29/2016 14:00
446169	TRAILER	Bulker	746169	TRACTOR	Tandem - Tractor	01/29/2016 11:00	01/29/2016 14:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>		<u>End Shift</u>		<u>Second Start Shift</u>		<u>Second End Shift</u>
Lopez, Armando (29064)	01/29/2016 11:00		01/29/2016 14:00				
Dunsbergen, Scott (29737)	01/29/2016 11:00		01/29/2016 14:00				
Ripka, Robert (23825)	01/29/2016 11:00		01/29/2016 14:00				



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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	Jan 29,2016 11:00	Arrive On Location		--	--	--	--	0.00	
2	Jan 29,2016 11:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Jan 29,2016 11:45	Rig in Complete		--	--	--	--	0.00	
4	Jan 29,2016 11:50	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Jan 29,2016 12:04	Start - Fluid	Water	2.00	400.0	--	1.00	1.00	
	Remarks: Fill lines								
6	Jan 29,2016 12:06	Pressure Test Start		--	2,500.0	--	--	0.00	
7	Jan 29,2016 12:07	Pressure Test Complete		--	--	--	--	0.00	
8	Jan 29,2016 12:09	Pump Spacer	Water	2.00	450.0	--	5.00	6.00	
9	Jan 29,2016 12:14	Pump Spacer	Water	2.00	460.0	--	20.00	26.00	
	Remarks: SMS								
10	Jan 29,2016 12:23	Pump Spacer	Water	2.00	480.0	--	5.00	31.00	
11	Jan 29,2016 12:26	Mix Cement	0:1:0 Type III	1.50	550.0	--	57.00	88.00	
	Remarks: Pumped 240 sacks Density 14.8 Yield 1.33 Water 6.31								
12	Jan 29,2016 13:01	Displace Fluid	Water	1.50	550.0	--	1.00	89.00	
13	Jan 29,2016 13:02	Stop		--	--	--	--	0.00	
14	Jan 29,2016 13:05	Wash		--	--	--	--	0.00	
15	Jan 29,2016 13:30	Rig Out		--	--	--	--	0.00	
16	Jan 29,2016 13:45	Job Complete		--	--	--	--	0.00	
17	Jan 29,2016 13:50	Pre-Departure Meeting		--	--	--	--	0.00	
18	Jan 29,2016 14:00	Leave Location		--	--	--	--	0.00	
Did Float Hold:		Not Applicable							
Fluid Returns :		Yes							
Type :		Spacer							
Volume (bbl) :		15							
Temperature (°F) :		70							
FDAS Functioning Correctly :		Yes							
Was the Program Followed As Per Design? :		Yes							
Material Transfer Sheet Number									
Material Transfer Sheet Number									
64511									
64512									