



# Cementing Service Report

9207970

Client Name Anadarko Petroleum Corporation	Well Name Houston B6 - 16	Rig Basic 1524	Job Date October 29,2015	Call Sheet 1061999
Client Representative Mr. Nick Lang	Surface Well Location SE NW Sec 16:T3N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Klosterman, Austin (27698)

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										
<u>Size (in)</u>		<u>Excess (%)</u>		<u>TMD From (ft)</u>		<u>TMD To (ft)</u>		<u>TVD From (ft)</u>		<u>TVD To (ft)</u>
9.000		40.000		0.000		4,730.000		--		--
Casing										
<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>	
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)	
8.625	24.000		--	--	--	--	--	0.0	713.0	
4.500	11.600		--	--	--	--	--	0.0	6,768.0	
Tubing										
<u>Size</u>	<u>Weight</u>	<u>Grade</u>		<u>Collapse Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>	
(in)	(lb/ft)			(psi)	(bbl)	(in)	(in)	(ft)	(ft)	
1.660	2.300			--	--	--	--	0.000	4,729.000	

Products

Stage 1

From Depth (ft): 4730

To Depth (ft): 3720

Acids/Blends/Fluids :

Tail: 360 Sacks of 1-1-0 G, Density = 14.6 lb/gal, Volume Pumped = 72 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 75

+ 0.6 % of CFL-2 (Preblend),

+ 0.5 % of CFR (Preblend),

+ 0.6 % of SCA-6 (Preblend),

+ 0.2 % of SPC-2 (Preblend),

+ 0.4 % of LTR (Preblend),

+ 0.25 lb/sack of LCL-7 (Preblend)

Stage 2

From Depth (ft): 1013

To Depth (ft): 200

Acids/Blends/Fluids :

Tail: 130 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 31 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 75

+ 0.3 % of CFL-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend),

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

+ 0.25 lb/sack of LCL-7 (Preblend)



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**Fluid & Cement Data**

Expected Cement Top: Depth (ft): 200

**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	--	--	--	--	Apr 08, 2015 17:07

**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>
444002	TRAILER	Iron	201386	PICKUP	1 Ton	10/29/2015 08:00	10/29/2015 15:00
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	10/29/2015 08:00	10/29/2015 15:00
446200	TRAILER	Bulker	746200	TRACTOR	Tandem - Tractor	10/29/2015 08:00	10/29/2015 15:00

**Crew and Bonuses**

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Klosterman, Austin (27698)	10/29/2015 08:00	10/29/2015 15:00		
Joyner, Barlen (28603)	10/29/2015 08:00	10/29/2015 15:00		
Hansen, Ted (29055)	10/29/2015 08:00	10/29/2015 15:00		
Decenick, Scott (30083)	10/29/2015 08:00	10/29/2015 15:00		

#### 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	Oct 29,2015 08:00	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Oct 29,2015 08:10	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Oct 29,2015 10:00	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Oct 29,2015 10:15	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Oct 29,2015 10:46	Pressure Test Start	Water	0.00	4,000.0	0.0	0.00	0.00
6	Oct 29,2015 10:47	Pressure Test Complete	Water	0.00	4,000.0	0.0	0.00	0.00
7	Oct 29,2015 10:48	Pump Preflush	Water	1.90	1,800.0	0.0	5.00	5.00
		Remarks: Fresh.						
8	Oct 29,2015 10:51	Pump Preflush	Water	1.90	1,700.0	0.0	20.00	25.00
		Remarks: SMS.						
9	Oct 29,2015 11:01	Pump Preflush	Water	2.00	1,900.0	0.0	5.00	30.00
		Remarks: Fresh.						
10	Oct 29,2015 11:04	Pump	1-1-0 G	1.50	2,100.0	0.0	72.00	102.00
		Remarks: Mix up and pump 360sx @14.6#, Yield 1.12, WR 4.62, MixH2O 40bbls, Scaled @1130@14.6#.						
11	Oct 29,2015 11:56	Displace Fluid	Water	1.50	2,100.0	0.0	5.50	107.50
12	Oct 29,2015 12:00	Wait On Instructions		0.00	0.0	0.0	0.00	107.50
		Remarks: Rig had to pull up to 1013' with tubing.						
13	Oct 29,2015 13:12	Pressure Test	Water	0.00	2,750.0	0.0	0.00	0.00
14	Oct 29,2015 13:14	Establish Circulation	Water	2.00	400.0	0.0	10.00	10.00
		Remarks: Fresh.						
15	Oct 29,2015 13:19	Pump	0:1:0 Type III	2.00	700.0	0.0	31.00	41.00
		Remarks: Mix up and pump 130sx @14.8#, Yield 1.33, WR 6.31, MixH2O 20bbls, Scaled@1330@14.8#.						
16	Oct 29,2015 13:36	Displace Fluid	Water	2.00	800.0	0.0	1.00	42.00
17	Oct 29,2015 14:00	Rig Out		0.00	0.0	0.0	0.00	42.00
18	Oct 29,2015 14:30	Job Complete		0.00	0.0	0.0	0.00	107.50
19	Oct 29,2015 15:00	Leave Location		0.00	0.0	0.0	0.00	107.50

Did Float Hold: Not Applicable

Fluid Returns : No

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : No

Was the Program Followed As Per Design? : Yes

##### Material Transfer Sheet Number

Material Transfer Sheet Number

63629

63630