



9208204

Client Name Anadarko Petroleum Corporation	Well Name Thomason X 16-4	Rig Leed 721	Job Date October 13,2015	Call Sheet 1061550
Client Representative Mr. Nate Windholz	Surface Well Location NW NW Sec 16:T2N:R65W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Abandonment Plugs	Lead Supervisor Contreras, Bennie (23469)

**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): --- @ --

**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	49.68	8.097	9.625	0.0	780.0

**Tubing**

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
3.500	7.700	L & N-80	7,870.000	63.240	3.068	4.250	0.000	6,916.000
2.063	3.250	J-55	7,690.000	20.560	1.751	2.325	0.000	6,904.000
2.063	3.250	J-55	7,690.000	13.580	1.751	2.325	0.000	4,560.000

**Products****Plug 1**

From Depth (ft): 6350

To Depth (ft): 6904

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 20 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 5.4 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 78

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of ASM-3 (Preblend)

**Plug 2**

From Depth (ft): 4111

To Depth (ft): 4560

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 20 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 4 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 75

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

**Fluid & Cement Data**

Expected Cement Top: --

**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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**Attachment & Tools****Down Hole Tools**

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Bridge Plug	6,916.000	Third Party

**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>
201386	PICKUP	1 Ton				10/13/2015 08:30	10/13/2015 13:30
740004	BODY JOB	C & A				10/13/2015 08:30	10/13/2015 13:30
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	10/13/2015 08:30	10/13/2015 13:30

**Crew and Bonuses**

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Contreras, Bennie (23469)	10/13/2015 08:30	10/13/2015 13:30		
Yates, William (29930)	10/13/2015 08:30	10/13/2015 13:30		
Davila, Israel (28152)	10/13/2015 08:30	10/13/2015 13:30		

**Treatment Reports & Remarks**

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 13,2015 08:30	Arrive On Location		--	--	--	--	0.00	
		Remarks: Arrived.							
2	Oct 13,2015 08:45	Crew Briefing (Rig in)		--	--	--	--	0.00	
		Remarks: STEACS							
3	Oct 13,2015 09:20	Rig in Complete		--	--	--	--	0.00	
		Remarks: Rig in complete							
4	Oct 13,2015 10:00	Crew Briefing (Pre Job)		--	--	--	--	0.00	
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.							
5	Oct 13,2015 10:42	Pressure Test Start	Water	--	3,000.0	--	--	0.00	
		Remarks: 3000 psi pressure test.							
6	Oct 13,2015 10:44	Pressure Test Complete		--	--	--	--	0.00	
		Remarks: Test complete.							
7	Oct 13,2015 10:47	Batch Mix	Thermal 35	6.00	200.0	--	5.40	0.00	
		Remarks: Batch mix 5.4 BBLs @ 15.8 lb/gal.. Scaled for accuracy.							
8	Oct 13,2015 10:59	Establish Circulation	Water	1.20	1,000.0	--	5.00	5.00	
		Remarks: Establish circulation 5 BBLs water							
9	Oct 13,2015 11:03	Pump	Thermal 35	1.50	500.0	--	5.40	10.40	
		Remarks: Pump 5.4 BBLs of cement @ 15.8 lb/gal.							
10	Oct 13,2015 11:06	Displace Fluid	Water	2.20	1,200.0	--	17.60	28.00	
		Remarks: Displace 17.6 BBLs of water to balance plug.							
11	Oct 13,2015 11:14	Stop		--	--	--	--	28.00	
		Remarks: Stop and wait for rig to lay down tubing for second plug.							
12	Oct 13,2015 12:22	Pressure Test	Water	--	3,000.0	--	--	28.00	
		Remarks: 3000 psi pressure test.							
13	Oct 13,2015 12:24	Batch Mix	0-1-0 G	6.00	200.0	--	4.00	32.00	
		Remarks: Batch mix 4 BBLs of cement @ 15.8 lb/gal, Scaled for accuracy.							
14	Oct 13,2015 12:40	Pump	0-1-0 G	2.50	1,200.0	--	4.00	36.00	
		Remarks: Pump 4 BBLs of cement @ 15.8 lb/gal.							
15	Oct 13,2015 12:42	Displace Fluid	Water	2.50	1,200.0	--	11.00	47.00	
		Remarks: Displace 11 BBLs of water to balance plug.							
16	Oct 13,2015 13:10	Rig Out		--	--	--	--	47.00	
		Remarks: Rig out.							
17	Oct 13,2015 13:20	Job Complete		--	--	--	--	47.00	
		Remarks: Job complete.							
18	Oct 13,2015 13:30	Leave Location		--	--	--	--	47.00	
		Remarks: Leave.							



# Cementing Service Report

9206699

Client Name Anadarko Petroleum Corporation	Well Name Thomason X 16-4	Rig Leed 721	Job Date October 14,2015	Call Sheet 1061579
Client Representative Mr. Nate Windholz	Surface Well Location NW NW Sec 16:T2N:R65W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Abandonment Plugs	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)
9.500	--	780.000	980.000	--	--

## 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	780.0
4.500	11.600		--	--	--	--	--	980.0	1,200.0

## Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.063	0.000		--	--	--	--	0.000	1,091.000

## Products

### Plug 1

From Depth (ft): 253

To Depth (ft): 1091

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 220 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 52.1 (bbl)

Water Temperature(°F) = 80 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 85

+ 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 % of Polyflake (Preblend)

## Fluid & Cement Data

Expected Cement Top: Depth (ft): 253

### Wellbore Fluid

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



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>
449093	TRAILER	Utility Trailer	200925	PICKUP	1 Ton	10/14/2015 08:50	10/14/2015 15:15
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	10/14/2015 08:50	10/14/2015 15:15
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	10/14/2015 08:50	10/14/2015 15:15
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)	10/14/2015 08:50	10/14/2015 15:15					
Dunsbergen, Scott (29737)	10/14/2015 08:50	10/14/2015 15:15					
Vitera, John (29843)	10/14/2015 08:50	10/14/2015 15:15					
Devine, Richard (29733)	10/14/2015 08:50	10/14/2015 15:15					



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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	Oct 14,2015 08:50	Arrive On Location		--	--	--	--	0.00	
2	Oct 14,2015 09:00	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Oct 14,2015 09:30	Rig in Complete		--	--	--	--	0.00	
4	Oct 14,2015 12:40	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Oct 14,2015 13:07	Start - Fluid	Water	--	--	--	1.00	1.00	
	Remarks: Fill lines								
6	Oct 14,2015 13:09	Pressure Test Start		--	2,000.0	--	--	0.00	
7	Oct 14,2015 13:11	Pressure Test Complete		--	--	--	--	0.00	
8	Oct 14,2015 13:12	Pump Spacer	Water	3.00	600.0	--	5.00	6.00	
9	Oct 14,2015 13:15	Pump Spacer	Water	3.00	550.0	--	10.00	16.00	
	Remarks: SAPP								
10	Oct 14,2015 13:22	Pump Spacer	Water	2.50	520.0	--	20.00	36.00	
11	Oct 14,2015 13:30	Mix Cement	0:1:0 Type III	2.50	690.0	--	52.10	88.10	
	Remarks: Pumped 220 sacks Density 14.8 Yield 1.33 Water 6.31								
12	Oct 14,2015 14:03	Displace Fluid	Water	2.00	590.0	--	1.00	89.10	
13	Oct 14,2015 14:04	Stop		--	--	--	--	0.00	
14	Oct 14,2015 14:10	Wash		--	--	--	--	0.00	
15	Oct 14,2015 14:40	Rig Out		--	--	--	--	0.00	
16	Oct 14,2015 15:00	Job Complete		--	--	--	--	0.00	
17	Oct 14,2015 15:05	Pre-Departure Meeting		--	--	--	--	0.00	
18	Oct 14,2015 15:15	Leave Location		--	--	--	--	0.00	
Did Float Hold:		Not Applicable							
Fluid Returns :		Yes							
Type :		Mud							
Volume (bbl) :		89							
Temperature (°F) :		90							
FDAS Functioning Correctly :		Yes							
Was the Program Followed As Per Design? :		Yes							
Material Transfer Sheet Number									
Material Transfer Sheet Number									
63508									
63509									