

Client Name Anadarko Petroleum Corporation	Well Name PSC 16 - 4	Rig Leed 724	Job Date October 14,2015	Call Sheet 1061578
Client Representative Mr. Al Morales	Surface Well Location SE SE Sec 4:T3N:R67W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Abandonment Plugs	Lead Supervisor Prigmore, Dominic (27161)

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	35.03	8.097	9.625	0.0	550.0
4.500	11.600	J-55	4,960.0	5,350.0	105.84	4.000	5.000	0.0	6,810.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	8,100.000	26.320	1.995	2.910	0.000	6,808.000

Products

Plug 1

From Depth (ft): 6377

To Depth (ft): 6810

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 25 Sacks of Thermal 30, Density = 15.8 lb/gal, Volume Pumped = 6.7 (bbl)

Water Temperature(°F) = 66 , Bulk Temperature(°F) = 66 , Slurry Temperature(°F) = 66

+ 0.3 % of ASM-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend)

Plug 2

From Depth (ft): 3786

To Depth (ft): 4180

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 30 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 6.1 (bbl)

Water Temperature(°F) = 66 , Bulk Temperature(°F) = 66 , Slurry Temperature(°F) = 66

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 3786

Wellbore Fluid

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



9208131

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>
201114	PICKUP	3/4 Ton				10/14/2015 06:30	10/14/2015 10:30
740018-1	BODY JOB	C & A				10/14/2015 06:30	10/14/2015 10:30
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	10/14/2015 06:30	10/14/2015 10:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Prigmore, Dominic (27161)	10/14/2015 06:30	10/14/2015 10:30					
Curtner, Jerry (28310)	10/14/2015 06:30	10/14/2015 10:30					
Peterson, Ryan (28158)	10/14/2015 06:30	10/14/2015 10:30					

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 06:30	Arrive On Location		--	--	--	--	0.00	
2	Oct 14,2015 06:40	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Oct 14,2015 07:30	Rig in Complete		--	--	--	--	0.00	
4	Oct 14,2015 07:35	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Oct 14,2015 07:43	Pressure Test Start	Water	--	3,100.0	--	--	0.00	
6	Oct 14,2015 07:45	Pressure Test Complete	Water	--	3,100.0	--	--	0.00	
7	Oct 14,2015 07:47	Establish Circulation	Water	2.00	100.0	--	5.00	5.00	
	Remarks: Circulation								
8	Oct 14,2015 07:49	Mix Cement	Thermal 30	2.00	50.0	--	6.70	11.70	
	Remarks: T.O.C 6,377'								
9	Oct 14,2015 07:53	Displace Fluid	Water	2.50	300.0	--	24.50	36.20	
	Remarks: Displaced to balance.								
10	Oct 14,2015 08:15	Wait On Instructions		--	--	--	--	36.20	
	Remarks: Wait for rig to pull tubing to 4,180'								
11	Oct 14,2015 09:18	Establish Circulation	Water	1.00	100.0	--	5.00	5.00	
	Remarks: Circulation								
12	Oct 14,2015 09:23	Mix Cement	0-1-0 G	2.00	400.0	--	6.10	11.10	
	Remarks: T.O.C 3,786'								
13	Oct 14,2015 09:28	Displace Fluid	Water	2.20	375.0	--	14.50	25.60	
	Remarks: Displaced to balance.								
14	Oct 14,2015 10:30	Job Complete		--	--	--	--	36.20	
15	Oct 14,2015 10:45	Leave Location		--	--	--	--	36.20	
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									
Material Transfer Sheet Number									
63516									
63517									



Cementing Service Report

9207923

Client Name Anadarko Petroleum Corporation	Well Name PSC 16 - 4	Rig Leed 724	Job Date October 15,2015	Call Sheet 1061618
Client Representative Mr. Al Morales	Surface Well Location SE SE Sec 4:T3N:R67W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Abandonment Plugs	Lead Supervisor Schneider, Patrick (24093)

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	--	550.000	770.000	--	--

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)
4.500	11.600	J-55	4,960.0	5,350.0	1.55	4.000	5.000	770.0	870.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700	J-55	8,100.000	3.360	1.995	2.910	0.000	870.000

Products

Plug 1

From Depth (ft): 203

To Depth (ft): 870

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 180 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 43 (bbl)

Water Temperature(°F) = 62 , Bulk Temperature(°F) = 64 , Slurry Temperature(°F) = 84

+ 0.5 % of CaCl₂ (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): 203

Wellbore Fluid

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



9207923

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>
449086	TRAILER	Utility Trailer	201017	PICKUP	1 Ton	10/15/2015 11:45	10/15/2015 14:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	10/15/2015 11:45	10/15/2015 14:00
746508	BODY JOB	Baby Bulker				10/15/2015 11:45	10/15/2015 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>			
Schneider, Patrick (24093)	10/15/2015 11:45	10/15/2015 14:00					
Dunsbergen, Scott (29737)	10/15/2015 11:45	10/15/2015 14:00					
Vitera, John (29843)	10/15/2015 11:45	10/15/2015 14:00					

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 15,2015 11:45	Arrive On Location		--	--	--	--	0.00	
2	Oct 15,2015 11:50	Crew Briefing (Rig in)		--	--	--	--	0.00	
		Remarks: discussed lease hazards and rig in procedures							
3	Oct 15,2015 12:05	Rig In		--	--	--	--	0.00	
4	Oct 15,2015 12:20	Rig in Complete		--	--	--	--	0.00	
5	Oct 15,2015 12:25	Crew Briefing (Pre Job)		--	--	--	--	0.00	
		Remarks: discussed job scope and everyones dutys							
6	Oct 15,2015 12:44	Start - Fluid	Water	1.00	--	--	1.00	1.00	
		Remarks: filled lines							
7	Oct 15,2015 12:45	Pressure Test Start	Water	--	3,000.0	--	--	1.00	
8	Oct 15,2015 12:47	Pressure Test Complete	Water	--	0.0	--	--	1.00	
		Remarks: good pressure test							
9	Oct 15,2015 12:47	Pump Preflush	Water	3.00	200.0	--	10.00	11.00	
		Remarks: mudflush							
10	Oct 15,2015 12:51	Pump Spacer	Water	3.00	200.0	--	20.00	31.00	
		Remarks: fresh water spacer							
11	Oct 15,2015 12:58	Mix Cement	0:1:0 Type III	3.00	300.0	--	43.00	74.00	
		Remarks: 180 sks plug cement @ 14.8 ppg yield = 1.33 h2o req = 6.31 total h2o =27 bbl							
12	Oct 15,2015 13:15	Displace Fluid	Water	2.00	300.0	--	0.75	74.75	
		Remarks: displaced to balance							
13	Oct 15,2015 13:16	Balance Plug	Water	--	0.0	--	--	74.75	
14	Oct 15,2015 13:20	Tailgate Meeting		--	--	--	--	74.75	
		Remarks: revisited JSA							
15	Oct 15,2015 13:25	Rig Out		--	--	--	--	74.75	
16	Oct 15,2015 13:35	Wash	Water	--	--	--	--	74.75	
		Remarks: washed pumps and lines							
17	Oct 15,2015 13:50	Job Complete		--	--	--	--	74.75	
18	Oct 15,2015 13:55	Pre-Departure Meeting		--	--	--	--	74.75	
19	Oct 15,2015 14:00	Leave Location		--	--	--	--	74.75	
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									
Material Transfer Sheet Number									
63523									
63524									