



## Cementing Service Report

**9208164**

Client Name Anadarko Petroleum Corporation	Well Name Anschutz #1	Rig Concord Well Servicing 5	Job Date October 15,2015	Call Sheet 1061625
Client Representative Mr. Rodrigo Vierra	Surface Well Location NW SW Sec 8:T1N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Laeger, Kacey (25046)

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	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	120.38	4.000	5.000	0.0	7,745.0	
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	11.610	1.995	2.910	0.000	3,002.000		

Products										
Plug 1										
From Depth (ft):		2602								
To Depth (ft):		3002								
Plug Type :		Abandonment								
Acids/Blends/Fluids :										
Plug: 30 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 6.2 (bbl)										
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75										
+ 0.3 % of CFR-2 (Preblend),										
+ 0.3 % of CFL-3 (Preblend)										

Fluid & Cement Data					
Expected Cement Top:		Depth (ft): 2602			
Wellbore Fluid					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 02, 2015 09:59

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449095	TRAILER	Utility Trailer	201401	PICKUP	1 Ton	10/15/2015 15:30	10/15/2015 18:20
740018-1	BODY JOB	C & A				10/15/2015 15:30	10/15/2015 18:20
746506	BODY JOB	Baby Bulker				10/15/2015 15:30	10/15/2015 18:20
Crew and Bonuses							
Employee	Start Shift	End Shift				Second Start Shift	Second End Shift
Laeger, Kacey (25046)	10/15/2015 15:30	10/15/2015 18:20					
Cheal, Samuel (28315)	10/15/2015 15:30	10/15/2015 18:20					
Wilson, Johnny (30052)	10/15/2015 15:30	10/15/2015 18:20					

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 15:30	Arrive On Location		--	--	--	--	0.00
2	Oct 15,2015 15:35	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Held						
3	Oct 15,2015 15:50	Rig in Complete		--	--	--	--	0.00
4	Oct 15,2015 15:55	Wait on Client (non Sanjel)		--	--	--	--	0.00
		Remarks: Wait on rig to finish running tubing						
5	Oct 15,2015 16:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Held						
6	Oct 15,2015 16:46	Pressure Test Start	Water	1.00	120.0	--	1.00	1.00
		Remarks: Filled lines						
7	Oct 15,2015 16:48	Pressure Test Complete	Water	--	2,500.0	--	--	1.00
		Remarks: Lines held good						
8	Oct 15,2015 16:50	Establish Circulation	Water	2.00	150.0	--	3.00	4.00
		Remarks: Good circulation						
9	Oct 15,2015 16:52	Mix Cement	0-1-0 G	2.00	150.0	--	6.50	10.50
		Remarks: 30sks of 0:1:0 G at 15.8 lb/gal						
10	Oct 15,2015 16:55	Displace Fluid	Water	9.90	175.0	--	2.00	12.50
		Remarks: Displace to balance plug						
11	Oct 15,2015 17:00	Finish Displacement	Water	--	--	--	--	12.50
12	Oct 15,2015 17:01	Wait On Instructions		--	--	--	--	12.50
		Remarks: Wait on rig to pull tubing and rev						
13	Oct 15,2015 17:27	Squeeze	Water	0.50	200.0	--	1.00	13.50
14	Oct 15,2015 17:30	Wash		--	--	--	--	13.50
15	Oct 15,2015 17:55	Rig Out		--	--	--	--	13.50
16	Oct 15,2015 18:10	Job Complete		--	--	--	--	13.50
17	Oct 15,2015 18:20	Leave Location		--	--	--	--	13.50
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								
63537								



## Cementing Service Report

**9208165**

Client Name Anadarko Petroleum Corporation	Well Name Anschutz #1	Rig Concord Well Servicing 5	Job Date October 19,2015	Call Sheet 1061726
Client Representative Mr.Jay Chandler	Surface Well Location NW SW Sec 8:T1N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Laeger, Kacey (25046)

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	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	120.38	4.000	5.000	0.0	7,745.0	
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	11.610	1.995	2.910	0.000	3,002.000		

Products										
Plug 1										
From Depth (ft):		2475.5								
To Depth (ft):		2940								
Plug Type :		Abandonment								
Acids/Blends/Fluids :		Plug: 30 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 7.2 (bbl) Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75 + 1 % 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): 2475.5			
Wellbore Fluid					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 02, 2015 09:59

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449087	TRAILER	Utility Trailer	201401	PICKUP	1 Ton	10/19/2015 15:00	10/19/2015 17:20
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	10/19/2015 15:00	10/19/2015 17:20
746508	BODY JOB	Baby Bulker				10/19/2015 15:00	10/19/2015 17:20
Crew and Bonuses							
Employee	Start Shift		End Shift		Second Start Shift		Second End Shift
Laeger, Kacey (25046)	10/19/2015 15:00		10/19/2015 17:20				
Cheal, Samuel (28315)	10/19/2015 15:00		10/19/2015 17:20				
Melgarejo Herrera, Eduardo (26606)	10/19/2015 15:00		10/19/2015 17:20				

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 19,2015 15:00	Arrive On Location		--	--	--	--	0.00
2	Oct 19,2015 15:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Oct 19,2015 15:25	Rig in Complete		--	--	--	--	0.00
4	Oct 19,2015 15:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Oct 19,2015 15:42	Pressure Test Start	Water	1.00	120.0	--	1.00	1.00
	Remarks: Filled lines							
6	Oct 19,2015 15:44	Pressure Test Complete	Water	--	3,000.0	--	--	1.00
	Remarks: Lines held good							
7	Oct 19,2015 15:46	Establish Circulation	Water	1.90	75.0	--	5.00	6.00
	Remarks: 5 fresh water ahead							
8	Oct 19,2015 15:49	Mix Cement	0:1:0 Type III	1.90	75.0	--	7.50	13.50
	Remarks: 30sks Typelll at 14.8 lb/gal							
9	Oct 19,2015 15:54	Displace Fluid	Water	1.90	60.0	--	9.70	23.20
	Remarks: Displace to balance plug							
10	Oct 19,2015 16:03	Finish Displacement	Water	--	--	--	--	23.20
11	Oct 19,2015 16:05	Wash		--	--	--	--	23.20
	Remarks: Wash pump unit							
12	Oct 19,2015 16:25	Wait On Instructions		--	--	--	--	23.20
	Remarks: Wait on Rig to pull tubing							
13	Oct 19,2015 16:39	Squeeze	Water	0.50	1,000.0	--	0.50	23.70
	Remarks: Hold for 15mins							
14	Oct 19,2015 17:05	Rig Out		--	--	--	--	23.70
15	Oct 19,2015 17:15	Job Complete		--	--	--	--	23.70
16	Oct 19,2015 17:20	Leave Location		--	--	--	--	23.70
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								
63566								

Client Name Anadarko Petroleum Corporation	Well Name Anschutz #1	Rig Concord Well Servicing 5	Job Date October 22,2015	Call Sheet 1061783
Client Representative Mr.Jay Chandler	Surface Well Location NW SW Sec 8:T1S:R65W	Down Hole Well Location	Job Type Miscellaneous Pumping	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):	--- @ --

#### Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
10.000	--	133.000	7,400.000	133.000	7,400.000

#### 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	8.47	8.097	9.625	0.0	133.0
4.500	11.600	J-55	4,960.0	5,350.0	111.91	4.000	5.000	0.0	7,200.0

#### 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	25.720	1.995	2.910	0.000	6,653.000

#### Products

##### Plug 1

From Depth (ft): 5887

To Depth (ft): 7200

Plug Type : Well Stability

Acids/Blends/Fluids :

Plug: 280 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 82.8 (bbl)

Water Temperature(°F) = 66 , Bulk Temperature(°F) = 66 , Slurry Temperature(°F) = 68

+ 20 % of Silica Flour (Preblend),

+ 3 % of Gel (Preblend),

+ 0.1 % of SMS (Preblend),

+ 0.4 % of CFR-2 (Preblend),

+ 0.4 % of CFL-3 (Preblend),

+ 0.2 % of CDF-4P (Preblend)

#### Fluid & Cement Data

Expected Cement Top: Depth (ft): 5887

##### Wellbore Fluid

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

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

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Cement Retainer	6,653.000	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>
449093	TRAILER	Utility Trailer	201168	PICKUP	1 Ton	10/22/2015 08:30	10/22/2015 13:15
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	10/22/2015 08:30	10/22/2015 13:15
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	10/22/2015 08:30	10/22/2015 13:15

**Crew and Bonuses**

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Prigmore, Dominic (27161)	10/22/2015 08:30	10/22/2015 13:40		
Ripka, Robert (23825)	10/22/2015 08:30	10/22/2015 13:40		
Melgarejo Herrera, Eduardo (26606)	10/22/2015 08:30	10/22/2015 13:40		

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 22,2015 08:30	Arrive On Location		--	--	--	--	0.00	
2	Oct 22,2015 08:40	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Oct 22,2015 10:40	Rig in Complete		--	--	--	--	0.00	
4	Oct 22,2015 10:50	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Oct 22,2015 11:00	Pressure Test Start	Water	--	3,100.0	--	--	0.00	
6	Oct 22,2015 11:02	Pressure Test Complete	Water	--	3,100.0	--	--	0.00	
7	Oct 22,2015 11:03	Establish Circulation	Water	3.00	1,300.0	--	15.00	15.00	
		Remarks: Circulation							
8	Oct 22,2015 11:09	Mix Cement	1-1-0 G	2.50	330.0	--	82.80	97.80	
		Remarks: T.O.C 5887'							
9	Oct 22,2015 11:35	Displace Fluid	Water	2.50	830.0	--	20.00	117.80	
		Remarks: Displaced fluid.							
10	Oct 22,2015 11:50	Stop		--	600.0	--	--	117.80	
		Remarks: Rig pulled 9 stands.							
11	Oct 22,2015 12:04	Pump	Water	2.50	1,000.0	--	100.00	217.80	
		Remarks: Pumped fresh to clean out 4.5"							
12	Oct 22,2015 13:00	Job Complete		--	--	--	--	217.80	
13	Oct 22,2015 13:40	Leave Location		--	--	--	--	217.80	
14	#Error			--	--	--	--	--	
Did Float Hold: Fluid Returns : Not Expected Type : Volume (bbl) : Temperature (°F) : -- FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes									
<b>Material Transfer Sheet Number</b> <u>Material Transfer Sheet Number</u> 63527									



# Cementing Service Report

9208016

Client Name Anadarko Petroleum Corporation	Well Name Anschutz #1	Rig Concord Well Servicing 5	Job Date October 23,2015	Call Sheet 1061783
Client Representative Mr.Jay Chandler	Surface Well Location NW SW Sec 8:T1S:R65W	Down Hole Well Location	Job Type Miscellaneous Pumping	Lead Supervisor Johnson, Quintin (23945)

## 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)
12.000	--	133.000	1,686.000	--	--

## 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	8.47	--	9.625	0.0	133.0
4.500	11.600	J-55	4,960.0	5,350.0	24.14	4.000	5.000	133.0	1,686.0

## 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	4.160	1.995	2.910	0.000	1,075.000

## Products

### Plug 1

From Depth (ft): 1040

To Depth (ft): 1686

Plug Type : Loss Circulation

Acids/Blends/Fluids :

Plug: 550 Sacks of Type III Cement, Density = 13.5 lb/gal, Volume Pumped = 130.3 (bbl)

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

+ 0.3 % of CFL-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend),

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

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

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

## Fluid & Cement Data

Expected Cement Top: Depth (ft): 1040

### Wellbore Fluid

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

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

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Cement Retainer	1,075.000	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>
449093	TRAILER	Utility Trailer	200925	PICKUP	1 Ton	10/23/2015 08:00	10/23/2015 12:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	10/23/2015 08:00	10/23/2015 12:30
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	10/23/2015 08:00	10/23/2015 12:30

**Crew and Bonuses**

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Johnson, Quintin (23945)	10/23/2015 08:00	10/23/2015 12:30		
Leue, David (28684)	10/23/2015 08:00	10/23/2015 12:30		
Phillips, James (23627)	10/23/2015 08:00	10/23/2015 12:30		

**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 23,2015 08:00	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived on time						
2	Oct 23,2015 08:10	Tailgate Meeting		--	--	--	--	0.00
		Remarks: talked about getting bulk truck spotted with muddy location						
3	Oct 23,2015 08:20	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: stalked about site hazards and how to mitigate them						
4	Oct 23,2015 08:40	Rig In		--	--	--	--	0.00
		Remarks: rigged in the rest of ground iron						
5	Oct 23,2015 09:00	Rig in Complete		--	--	--	--	0.00
		Remarks: Gather for safety meeting						
6	Oct 23,2015 09:10	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
7	Oct 23,2015 09:11	Sign-off on Safety		--	--	--	--	0.00
		Remarks: signed their and our JSA						
8	Oct 23,2015 09:45	Pressure Test Start	Water	1.50	100.0	--	1.00	1.00
		Remarks: filled lines for pressure test						
9	Oct 23,2015 09:47	Pressure Test	Water	0.00	2,500.0	--	0.00	1.00
		Remarks: Pressured lines and they held good						
10	Oct 23,2015 09:48	Pressure Test Complete		--	--	--	--	1.00
		Remarks: Opened up valve to pump job						
11	Oct 23,2015 09:49	Pump Preflush	Water	2.00	500.0	--	10.00	11.00
		Remarks: Pumped Sapp						
12	Oct 23,2015 09:53	Pump Spacer	Water	2.00	20.0	--	20.00	31.00
		Remarks: Pumped fresh between sapp and slurry						
13	Oct 23,2015 10:03	Mix Cement	Type III Cement	2.00	500.0	--	130.30	161.30
		Remarks: Mixed slurry at 14.8						
14	Oct 23,2015 11:05	Pump Displacement	Water	2.00	1,000.0	--	2.00	163.30
		Remarks: Displaced leaving 2 bbls on top						
15	Oct 23,2015 11:06	Stop		--	--	--	--	163.30
		Remarks: stopped and rigged off for wash up						
16	Oct 23,2015 11:15	Wash	Water	2.00	150.0	--	15.00	178.30
		Remarks: washed mix and did run backs						
17	Oct 23,2015 12:00	Rig Out		--	--	--	--	178.30
		Remarks: rigged out our trucks and ground iron						
18	Oct 23,2015 12:20	Job Complete		--	--	--	--	178.30
		Remarks: do complete walk around and check pins						
19	Oct 23,2015 12:30	Leave Location		--	--	--	--	178.30
		Remarks: leave location and wash trucks						

### Treatment Reports & Remarks

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

63525