



Cementing Service Report

9209023

Client Name Anadarko Petroleum Corporation	Well Name Scottdale Ranch 13-35	Rig Leed 721	Job Date December 22, 2015	Call Sheet 1063451
Client Representative Mr. Nate Windholz	Surface Well Location NW SW Sec 35:T4N:R67W	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): --- @ --

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)
3.500	7.700		--	--	--	--	--	0.0	7,615.0

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	2.450		--	--	--	--	0.000	7,169.000
2.063	2.450		--	--	--	--	0.000	5,665.000

Products

Plug 1

From Depth (ft): 6580

To Depth (ft): 7169

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of ASM-3 (Preblend)

Plug 2

From Depth (ft): 5329

To Depth (ft): 5665

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 15 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 3.1 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of ASM-3 (Preblend),

+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 5329

Wellbore Fluid

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



9209023

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>
201009	PICKUP	1 Ton				12/22/2015 13:00	12/22/2015 18:15
740018-1	BODY JOB	C & A				12/22/2015 13:00	12/22/2015 18:15
446145	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	12/22/2015 13:00	12/22/2015 18:15
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)	12/22/2015 14:00		12/22/2015 18:15				
Devine, Richard (29733)	12/22/2015 14:00		12/22/2015 18:15				
Daylong, Eric (28076)	12/22/2015 14:00		12/22/2015 18:15				

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	Dec 22,2015 13:00	Arrive On Location		--	--	--	--	0.00	
2	Dec 22,2015 13:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Dec 22,2015 13:40	Rig in Complete		--	--	--	--	0.00	
4	Dec 22,2015 15:00	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Dec 22,2015 15:38	Start - Fluid	Water	1.00	150.0	--	1.00	1.00	
	Remarks: Fill lines								
6	Dec 22,2015 15:40	Pressure Test Start		--	2,500.0	--	--	0.00	
7	Dec 22,2015 15:41	Pressure Test Complete		--	--	--	--	0.00	
8	Dec 22,2015 15:42	Mix Cement	Thermal 35	2.00	700.0	--	5.40	6.40	
	Remarks: Pumped 20 sacks Density 15.8 Yield 1.51 Water 6.23. Weight with mud scale was 15.9								
9	Dec 22,2015 15:45	Displace Fluid	Water	2.00	870.0	--	18.00	24.40	
10	Dec 22,2015 15:55	Stop		--	--	--	--	0.00	
	Remarks: Rig is pulling tubing to 5665 ft								
11	Dec 22,2015 15:56	Start - Fluid	Water	1.50	600.0	--	2.00	2.00	
	Remarks: Circulate well								
12	Dec 22,2015 15:58	Mix Cement	0-1-0 G	1.50	610.0	--	3.10	5.10	
	Remarks: Pumped 15 sacks Density 15.8 Yield 1.15 Water 4.98. Weight with mud scale was 15.6								
13	Dec 22,2015 17:00	Displace Fluid	Water	1.80	830.0	--	14.60	19.70	
14	Dec 22,2015 17:08	Stop		--	--	--	--	0.00	
15	Dec 22,2015 17:10	Wash		--	--	--	--	0.00	
16	Dec 22,2015 17:40	Rig Out		--	--	--	--	0.00	
17	Dec 22,2015 18:00	Job Complete		--	--	--	--	0.00	
18	Dec 22,2015 18:05	Pre-Departure Meeting		--	--	--	--	0.00	
19	Dec 22,2015 18:15	Leave Location		--	--	--	--	0.00	
Did Float Hold:		Not Applicable							
Fluid Returns :		Yes							
Type :		Mud							
Volume (bbl) :		29							
Temperature (°F) :		70							
FDAS Functioning Correctly :		Yes							
Was the Program Followed As Per Design? :		Yes							
Material Transfer Sheet Number									
Material Transfer Sheet Number									
63124									
63103									



Cementing Service Report

9209246

Client Name Anadarko Petroleum Corporation	Well Name Scottsdale Ranch 13-35	Rig Leed 721	Job Date December 23, 2015	Call Sheet 1063469
Client Representative Mr. Nate Windholz	Surface Well Location NW SW Sec 35:T4N:R67W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Abandonment Plugs	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)
9.500	--	637.000	4,240.000	--	--

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	40.57	8.097	9.625	0.0	637.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.063	3.250	J-55	7,690.000	12.630	1.751	2.325	0.000	4,240.000

Products

Plug 1

From Depth (ft): 3749.6

To Depth (ft): 4240

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 210 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 43 (bbl)

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

+ 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



9209246

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	201025	PICKUP	1 Ton	12/23/2015 13:30	12/23/2015 16:30
445046	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	12/23/2015 13:30	12/23/2015 16:30
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	12/23/2015 13:30	12/23/2015 16:30
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)	12/23/2015 13:30	12/23/2015 16:30					
Ripka, Robert (23825)	12/23/2015 13:30	12/23/2015 16:30					
Hilt, Brandon (30128)	12/23/2015 13:30	12/23/2015 16:30					
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	Dec 23,2015 13:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived on time						
2	Dec 23,2015 13:40	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Talked about site hazards and how to mitigate them, spotted trucks and rigged in						
3	Dec 23,2015 14:10	Rig in Complete		--	--	--	--	0.00
		Remarks: Gather for safety meeting						
4	Dec 23,2015 14:20	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Talked about the job scope and safety concerns and signed our JSA						
5	Dec 23,2015 14:55	Pressure Test Start	Water	1.20	300.0	--	0.50	0.50
		Remarks: Filled lines for pressure testing						
6	Dec 23,2015 14:57	Pressure Test	Water	0.00	2,500.0	--	0.00	0.50
		Remarks: Pressured lines and they held good						
7	Dec 23,2015 14:59	Pressure Test Complete		--	--	--	--	0.50
		Remarks: Opened valve to pump job						
8	Dec 23,2015 15:01	Pump Preflush	Water	3.20	1,000.0	--	20.00	20.50
		Remarks: Pumped SMS						
9	Dec 23,2015 15:06	Pump Spacer	Water	3.20	1,000.0	--	10.00	30.50
		Remarks: Pumped fresh between SMS and Slurry						
10	Dec 23,2015 15:10	Mix Cement	0-1-0 G	3.40	1,100.0	--	43.00	73.50
		Remarks: Mixed slurry at 15.8, Yield at 1.15 and water requirement at 4.98						
11	Dec 23,2015 15:32	Pump Displacement	Water	2.00	1,100.0	--	11.10	84.60
		Remarks: Displaced plug to a balance in the 9.5 open hole						
12	Dec 23,2015 15:40	Stop		--	--	--	--	84.60
		Remarks: Stopped for wash up						
13	Dec 23,2015 16:02	Wash	Water	2.00	150.0	--	15.00	99.60
		Remarks: Washed mix and did run backs						
14	Dec 23,2015 15:45	Rig Out		--	--	--	--	99.60
		Remarks: Rigged out our trucks						
15	Dec 23,2015 16:20	Job Complete		--	--	--	--	99.60
		Remarks: Do complete walk around and check pins and look at trailers						
16	Dec 23,2015 16:30	Leave Location		--	--	--	--	99.60
		Remarks: Go back to Sanjel Yard						

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



Treatment Reports & Remarks	
Material Transfer Sheet Number	
<u>Material Transfer Sheet Number</u>	
63145	
63146	



Cementing Service Report

9208196

Client Name Anadarko Petroleum Corporation	Well Name Scottdale Ranch 13-35	Rig Leed 721	Job Date December 24, 2015	Call Sheet 1063477
Client Representative Mr. Nate Windholz	Surface Well Location NW SW Sec 35:T4N:R67W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Abandonment Plugs	Lead Supervisor Maguire, Matthew (26325)

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):	--- @ --

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	J-55	1,370.0	2,950.0	40.57	8.097	9.625	0.0	637.0

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	3.250	J-55	7,690.000	2.760	1.751	2.325	0.000	927.000

Products

Plug 1

From Depth (ft): 920

To Depth (ft): 255

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 210 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 49.7 (bbl)

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

+ 1 % 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): 255

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>
449087	TRAILER	Utility Trailer	201017	PICKUP	1 Ton	12/24/2015 08:00	12/24/2015 11:30
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	12/24/2015 08:00	12/24/2015 11:30
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	12/24/2015 08:00	12/24/2015 11:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Maguire, Matthew (26325)	12/24/2015 07:00	12/24/2015 11:30					
Joyner, Barlen (28603)	12/24/2015 07:00	12/24/2015 11:30					
Dunsbergen, Scott (29737)	12/24/2015 07:00	12/24/2015 11:30					
Hilt, Brandon (30128)	12/24/2015 07:00	12/24/2015 11:30					

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	Dec 24,2015 07:00	Arrive On Location		--	--	--	--	0.00	
	Remarks: Sign in at lease entrance.								
2	Dec 24,2015 07:10	Tailgate Meeting		--	--	--	--	0.00	
	Remarks: JSA.								
3	Dec 24,2015 08:00	Crew Briefing (Rig in)		--	--	--	--	0.00	
4	Dec 24,2015 08:40	Rig in Complete		--	--	--	--	0.00	
5	Dec 24,2015 08:45	Crew Briefing (Pre Job)		--	--	--	--	0.00	
6	Dec 24,2015 08:50	STEACS Briefing		--	--	--	--	0.00	
7	Dec 24,2015 09:00	Sign-off on Safety		--	--	--	--	0.00	
8	Dec 24,2015 09:08	Start - Fluid	Water	3.00	300.0	--	5.00	5.00	
	Remarks: Established circulation.								
9	Dec 24,2015 09:12	Pressure Test Start	Water	--	1,500.0	--	--	5.00	
10	Dec 24,2015 09:13	Pressure Test Complete	Water	--	1,500.0	--	--	5.00	
	Remarks: All lines held pressure.								
11	Dec 24,2015 09:16	Pump Preflush	Water	4.00	550.0	--	10.00	15.00	
	Remarks: 100# SAPP.								
12	Dec 24,2015 09:19	Pump Spacer	Water	4.00	500.0	--	5.00	20.00	
13	Dec 24,2015 09:30	Mix Cement	0:1:0 Type III	4.00	600.0	--	49.70	69.70	
	Remarks: WR=6.31,								
14	Dec 24,2015 10:15	Displace Fluid	Water	3.50	700.0	--	0.50	70.20	
	Remarks: Flush lines.								
15	Dec 24,2015 10:17	Stop		--	--	--	--	70.20	
16	Dec 24,2015 10:25	Wash	Water	1.50	100.0	--	20.00	70.20	
17	Dec 24,2015 11:00	Rig Out		--	--	--	--	70.20	
	Remarks: Revisit JSA.								
18	Dec 24,2015 11:15	Pre-Departure Meeting		--	--	--	--	70.20	
19	Dec 24,2015 11:25	Job Complete		--	--	--	--	70.20	
20	Dec 24,2015 11:30	Leave Location		--	--	--	--	70.20	
	Remarks: Revisit JSA, leave location safely.								
Did Float Hold:		Not Applicable							
Fluid Returns :		Yes							
Type :		Cement							
Volume (bbl) :		2							
Temperature (°F) :		75							
FDAS Functioning Correctly :		Yes							
Was the Program Followed As Per Design? :		Yes							
Material Transfer Sheet Number									
Material Transfer Sheet Number									
63153									
63154									