



**Pumping  
Service Report**

**9198815**

Client Name Anadarko Petroleum Corporation	Well Name Peppler 4-30	Rig Basic 1549	Job Date November 13, 2014	Call Sheet 1050359
Client Representative Mr. Larry Webb	Surface Well Location NW NW Sec 30:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

**Well Profile**

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	11.000	---	--	--	--	--	--	--	--

**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	---	--	--	--	--	0.000	6,900.000
2.375	4.700	---	--	--	--	--	0.000	4,400.000

**Products**

**Plug 1**

From Depth (ft):  
To Depth (ft):  
Plug Type : Abandonment  
Acids/Blends/Fluids :

Plug: 30 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 8 (bbl)  
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 5 , Slurry Temperature(°F) = 70  
+ 0.5 % of CFR-2 (Preblend),  
+ 0.25 % of FMC (Preblend)

**Plug 2**

From Depth (ft):  
To Depth (ft):  
Plug Type : Abandonment  
Acids/Blends/Fluids :

Plug: 30 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 6.14 (bbl)  
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 5 , Slurry Temperature(°F) = 78  
+ 0.5 % of CFR-2 (Preblend),  
+ 0.25 % of FMC (Preblend),  
+ 0.5 % of LWA (Preblend),  
+ 0.25 % of Polyflake (Preblend)

**Fluid & Cement Data**

Expected Cement Top: Depth (ft): 4000

**Wellbore Fluid**

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 14:34



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**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	201191	PICKUP	1 Ton	11/13/2014 07:00	11/13/2014 13:10
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	11/13/2014 07:00	11/13/2014 13:10
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	11/13/2014 07:00	11/13/2014 13:10
200910	PICKUP	1/2 Ton				11/13/2014 07:00	11/13/2014 13:10

**Crew and Bonuses**

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Douglass, Brian	11/13/2014 07:00	11/13/2014 13:10		
Joyner, Barlen	11/13/2014 07:00	11/13/2014 13:10		
Pigg, Martin	11/13/2014 07:00	11/13/2014 13:10		
Dunsbergen, Scott	11/13/2014 07:00	11/13/2014 13:10		
Estrada, John	11/13/2014 07:00	11/13/2014 13:10		
Schroeder, Stephen	11/13/2014 07:00	11/13/2014 13:10		

**Treatment Reports & Remarks**





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**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	Nov 13,2014 07:00	Arrive On Location	---	--	--	--	--	0.00
2	Nov 13,2014 07:10	Tailgate Meeting	---	--	--	--	--	0.00
3	Nov 13,2014 07:30	STEACS Briefing	---	--	--	--	--	0.00
4	Nov 13,2014 07:40	Rig In	---	--	--	--	--	0.00
5	Nov 13,2014 09:45	Safety Meeting	---	--	--	--	--	0.00
6	Nov 13,2014 09:50	Sign-off on Safety	---	--	--	--	--	0.00
7	Nov 13,2014 09:52	Establish Circulation	Water	1.00	100.0	--	1.00	1.00
		Remarks: fill lines						
8	Nov 13,2014 09:54	Pressure Test	---	--	1,500.0	--	--	1.00
9	Nov 13,2014 09:55	Establish Circulation	Water	2.00	300.0	--	15.00	16.00
10	Nov 13,2014 10:02	Mix Cement	Thermal 35	2.00	200.0	--	8.00	24.00
11	Nov 13,2014 10:09	Pump Displacement	Water	2.00	300.0	--	25.00	49.00
12	Nov 13,2014 10:12	Stop	---	--	--	--	--	49.00
		Remarks: wait for 2nd plug						
13	Nov 13,2014 11:40	Establish Circulation	Water	1.00	50.0	--	1.00	1.00
		Remarks: fill lines						
14	Nov 13,2014 11:42	Pressure Test	---	--	1,500.0	--	--	1.00
15	Nov 13,2014 11:44	Establish Circulation	Water	2.00	150.0	--	15.00	16.00
16	Nov 13,2014 11:58	Mix Cement	0-1-0 G	2.00	400.0	--	6.14	22.14
17	Nov 13,2014 12:06	Pump Displacement	Water	2.00	500.0	--	15.50	37.64
18	Nov 13,2014 12:12	Stop	---	--	--	--	--	37.64
19	Nov 13,2014 12:20	Rig Out	---	--	--	--	--	37.64
20	Nov 13,2014 12:50	Job Complete	---	--	--	--	--	37.64
21	Nov 13,2014 13:00	Pre-Departure Meeting	---	--	--	--	--	37.64
22	Nov 13,2014 13:10	Leave Location	---	--	--	--	--	37.64

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

54923



**Pumping  
Service Report**

**9198892**

Client Name Anadarko Petroleum Corporation	Well Name Peppler 4-30	Rig Basic 1549	Job Date November 14, 2014	Call Sheet 1050424
Client Representative Mr. Larry Webb	Surface Well Location NW NW Sec 30:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

**Well Profile**

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)
	9.000	20.000	--	--	--	--

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	46.11	8.097	9.625	0.0	724.0
	4.500	11.600	J-55	4,960.0	5,350.0	--	4.000	5.000	--	--

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	--	3.750	--	--	0.000	970.000

**Products**

**Plug 1**

From Depth (ft): 970

To Depth (ft): 502

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 120 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 28 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60

+ 0.5 % 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): 502

**Wellbore Fluid**

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 14:34





**Pumping  
Service Report**

**9198892**

**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>
201273	PICKUP	3/4 Ton				11/14/2014 07:30	11/14/2014 10:30
740004	BODY JOB	C & A				11/14/2014 07:30	11/14/2014 10:30
746506	BODY JOB	Baby Bulker				11/14/2014 07:30	11/14/2014 10:30
200910	PICKUP	1/2 Ton				11/14/2014 07:30	11/14/2014 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>
Klosterman, Austin	11/14/2014 07:30	11/14/2014 10:30		
Laeger, Kacey	11/14/2014 07:30	11/14/2014 10:30		
Curtner, Jerry	11/14/2014 07:30	11/14/2014 10:30		
Davila, Israel	11/14/2014 07:30	11/14/2014 10:30		
Schroeder, Stephen	11/14/2014 07:30	11/14/2014 10:30		

**Treatment Reports & Remarks**

**Treatment Report**

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	Nov 14, 2014 07:30	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	Nov 14, 2014 07:40	Tailgate Meeting	---	0.00	0.0	0.0	0.00	0.00
3	Nov 14, 2014 07:50	Rig In	---	0.00	0.0	0.0	0.00	0.00
4	Nov 14, 2014 08:00	STEACS Briefing	---	0.00	0.0	0.0	0.00	0.00
5	Nov 14, 2014 08:20	Sign-off on Safety	---	0.00	0.0	0.0	0.00	0.00
6	Nov 14, 2014 08:28	Establish Circulation	Water	1.50	180.0	0.0	1.00	1.00
		Remarks: Filling lines.						
7	Nov 14, 2014 08:31	Pressure Test Lines	Water	0.00	2,100.0	0.0	0.00	1.00
8	Nov 14, 2014 08:32	Pump Preflush	Water	1.60	130.0	0.0	5.00	6.00
		Remarks: Fresh ahead.						
9	Nov 14, 2014 08:34	Pump Preflush	Water	2.20	180.0	0.0	10.00	16.00
		Remarks: SAPP.						
10	Nov 14, 2014 08:40	Pump Preflush	Water	2.30	180.0	0.0	5.00	21.00
		Remarks: Fresh ahead.						
11	Nov 14, 2014 08:44	Pump	0:1:0 Type III	2.00	135.0	0.0	28.00	49.00
		Remarks: Mix up and pump 120 sacks @14.8#, Yield 1.33, WR 6.31						
12	Nov 14, 2014 08:57	Pump Displacement	Water	2.00	120.0	0.0	1.50	50.50
13	Nov 14, 2014 09:00	Rig Out	---	0.00	0.0	0.0	0.00	0.00
14	Nov 14, 2014 09:30	Job Complete	---	0.00	0.0	0.0	0.00	0.00
15	Nov 14, 2014 10:15	Pre-Departure Meeting	---	0.00	0.0	0.0	0.00	0.00
16	Nov 14, 2014 10:30	Leave Location	---	0.00	0.0	0.0	0.00	0.00



**Pumping  
Service Report**

**9198894**

Client Name Anadarko Petroleum Corporation	Well Name Peppler 4-30	Rig Basic 1549	Job Date November 15, 2014	Call Sheet 1050468
Client Representative Mr. Larry Webb	Surface Well Location NW NW Sec 30:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

**Well Profile**

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	--	724.000	850.000	--	--

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	46.11	8.097	9.625	0.0	724.0

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	4.600	J-55	8,100.000	3.290	1.995	2.875	0.000	850.000

**Products**

**Plug 1**

From Depth (ft): 850

To Depth (ft): 361

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 150 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 35 (bbl)  
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 65  
+ 0.5 % 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): 361

**Wellbore Fluid**

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 14:34





**Pumping  
Service Report**

**9198894**

**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>
201273	PICKUP	3/4 Ton				11/15/2014 07:30	11/15/2014 10:30
740004	BODY JOB	C & A				11/15/2014 07:30	11/15/2014 10:30
746506	BODY JOB	Baby Bulker				11/15/2014 07:30	11/15/2014 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>
Klosterman, Austin	11/15/2014 07:30	11/15/2014 10:30		
Laeger, Kacey	11/15/2014 07:30	11/15/2014 10:30		
Curtner, Jerry	11/15/2014 07:30	11/15/2014 10:30		
Daylong, Eric	11/15/2014 07:30	11/15/2014 10:30		

**Treatment Reports & Remarks**

**Treatment Report**

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	Nov 15, 2014 07:30	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	Nov 15, 2014 07:40	Tailgate Meeting	---	0.00	0.0	0.0	0.00	0.00
3	Nov 15, 2014 07:50	Rig In	---	0.00	0.0	0.0	0.00	0.00
4	Nov 15, 2014 08:00	STEACS Briefing	---	0.00	0.0	0.0	0.00	0.00
5	Nov 15, 2014 08:05	Sign-off on Safety	---	0.00	0.0	0.0	0.00	0.00
6	Nov 15, 2014 08:10	Establish Circulation	Water	0.60	36.0	0.0	1.00	1.00
		Remarks: Filling lines.						
7	Nov 15, 2014 08:12	Pressure Test Lines	Water	0.00	1,600.0	0.0	0.00	1.00
8	Nov 15, 2014 08:14	Pump Preflush	Water	2.00	91.0	0.0	5.00	6.00
		Remarks: Fresh ahead.						
9	Nov 15, 2014 08:17	Pump Preflush	Water	2.00	90.0	0.0	10.00	16.00
		Remarks: SAPP						
10	Nov 15, 2014 08:21	Pump Preflush	Water	3.00	260.0	0.0	5.00	21.00
		Remarks: Fresh ahead.						
11	Nov 15, 2014 08:23	Pump	0:1:0 Type III	2.70	210.0	0.0	35.00	56.00
		Remarks: Mix up and pump 150 sacks @14.8#, Yield 1.33, WR 6.31						
12	Nov 15, 2014 08:39	Pump Displacement	Water	1.50	63.0	0.0	1.50	57.50
13	Nov 15, 2014 09:00	Rig Out	---	0.00	0.0	0.0	0.00	0.00
14	Nov 15, 2014 10:00	Job Complete	---	0.00	0.0	0.0	0.00	0.00
15	Nov 15, 2014 10:15	Pre-Departure Meeting	---	0.00	0.0	0.0	0.00	0.00
16	Nov 15, 2014 10:30	Leave Location	---	0.00	0.0	0.0	0.00	0.00