



## Pumping Service Report

9201248

Client Name Anadarko Petroleum Corporation	Well Name Mayer 14-22A	Rig BWS 12	Job Date March 11, 2015	Call Sheet 1056483
Client Representative Mr. Socorro Olivas	Surface Well Location SE SW Sec 22:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Price, Ryan (25840)

### 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)
4.500	0.000		--	--	--	--	--	0.0	7,540.0

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700		--	--	--	--	0.000	7,540.000
2.375	4.700		--	--	--	--	0.000	3,868.000

### Products

#### Plug 1

From Depth (ft): 6250

To Depth (ft): 7540

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 70 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 20 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend)

#### Plug 2

From Depth (ft): 3868

To Depth (ft): 4900

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 75 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 16 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 3868

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22



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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>
201273	PICKUP	3/4 Ton				03/11/2015 07:00	03/11/2015 11:30
740082	BODY JOB	C & A				03/11/2015 07:00	03/11/2015 11:30
446024	TRAILER	Bulker	746024	TRACTOR	Tandem - Tractor	03/11/2015 07:00	03/11/2015 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>	
Price, Ryan (25840)	03/11/2015 07:00	03/11/2015 11:30					
Schroeder, Stephen (25442)	03/11/2015 07:00	03/11/2015 11:30					
McMartin, Granite (22138)	03/11/2015 07:00	03/11/2015 11:30					
Daylong, Eric (28076)	03/11/2015 07:00	03/11/2015 11:30					
Crane, Troy (29924)	03/11/2015 07:00	03/11/2015 11:30					



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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	Mar 11,2015 07:30	Arrive On Location		--	--	--	--	0.00
2	Mar 11,2015 07:35	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 11,2015 08:15	Rig in Complete		--	--	--	--	0.00
4	Mar 11,2015 08:20	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 11,2015 08:35	Pressure Test Start		--	2,300.0	--	--	0.00
6	Mar 11,2015 08:37	Pressure Test Complete		--	--	--	--	0.00
7	Mar 11,2015 08:38	Establish Circulation	Water	2.00	400.0	--	8.00	8.00
8	Mar 11,2015 08:43	Mix Cement	Thermal 35	2.00	200.0	--	20.00	28.00
9	Mar 11,2015 08:53	Pump Displacement	Water	2.00	30.0	--	23.00	51.00
10	Mar 11,2015 09:02	Stop		--	--	--	--	51.00
11	Mar 11,2015 09:10	Job Complete		--	--	--	--	51.00
12	Mar 11,2015 09:15	Wait On Instructions		--	--	--	--	0.00
13	Mar 11,2015 09:51	Pressure Test		--	2,300.0	--	--	0.00
14	Mar 11,2015 09:53	Establish Circulation		2.00	350.0	--	10.00	10.00
15	Mar 11,2015 09:58	Mix Cement	0-1-0 G	2.00	100.0	--	16.00	26.00
16	Mar 11,2015 10:08	Pump Displacement	Water	2.00	25.0	--	14.00	40.00
17	Mar 11,2015 10:16	Stop		--	--	--	--	40.00
18	Mar 11,2015 10:20	Wash		--	--	--	--	40.00
19	Mar 11,2015 10:50	Rig Out		--	--	--	--	40.00
20	Mar 11,2015 11:15	Job Complete		--	--	--	--	40.00
21	Mar 11,2015 11:25	Pre-Departure Meeting		--	--	--	--	40.00
22	Mar 11,2015 11:30	Leave Location		--	--	--	--	40.00

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

57610



## Pumping Service Report

9203636

Client Name Anadarko Petroleum Corporation	Well Name Mayer 14-22A	Rig BWS 12	Job Date March 12,2015	Call Sheet 1056551
Client Representative Mr. Socorro Olivas	Surface Well Location SE SW Sec 22:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Hansen, Kevin (27592)

### 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)
9.000	--	623.000	1,040.000	--	--

### 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	39.68	8.097	9.625	0.0	623.0
4.500	11.600	J-55	4,960.0	5,350.0	1.55	4.000	5.000	1,040.0	1,140.0

### 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		--	--	--	--	0.000	1,137.000

### Products

#### Plug 1

From Depth (ft): 284

To Depth (ft): 1140

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 260 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 61.6 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 65

+ 0.25 lb/sack of Polyflake (Preblend),

+ 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)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 284

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22



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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>
201025	PICKUP	1 Ton				03/12/2015 12:30	03/12/2015 15:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	03/12/2015 12:30	03/12/2015 15:30
446196	TRAILER	Bulker	746196	TRACTOR	Tandem - Tractor	03/12/2015 12:30	03/12/2015 15:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>			<u>Second Start Shift</u>	<u>Second End Shift</u>	
Hansen, Kevin (27592)	03/12/2015 12:30	03/12/2015 15:30					
Barden, Sean (27711)	03/12/2015 12:30	03/12/2015 15:30					
Teegerstrom, Ty (27623)	03/12/2015 12:30	03/12/2015 15:30					
Heye, Joshua (29833)	03/12/2015 12:30	03/12/2015 15:30					



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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	Mar 12,2015 12:30	Arrive On Location		--	--	--	--	0.00
2	Mar 12,2015 12:40	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Discussed spotting of trucks and filled out JSA						
3	Mar 12,2015 13:30	Rig in Complete		--	--	--	--	0.00
4	Mar 12,2015 13:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Discussed job and safety concerns with rig crew and signed JSA						
5	Mar 12,2015 13:45	Pressure Test Start	Water	2.00	50.0	--	2.00	2.00
		Remarks: Filled lines for pressure test						
6	Mar 12,2015 13:48	Pressure Test Complete		--	2,000.0	--	--	2.00
		Remarks: Pressure test good						
7	Mar 12,2015 13:50	Establish Circulation	Water	3.00	100.0	--	5.00	7.00
8	Mar 12,2015 13:55	Pump Preflush	Water	3.00	150.0	--	10.00	17.00
		Remarks: Pumped SAPP						
9	Mar 12,2015 14:55	Pump Spacer	Water	3.00	150.0	--	10.00	27.00
		Remarks: Fresh water spacer						
10	Mar 12,2015 14:05	Mix Cement	0:1:0 Type III	3.00	300.0	--	61.60	88.60
		Remarks: Mixed and Pumped @ D-14.8						
11	Mar 12,2015 14:20	Displace Fluid	Water	--	--	--	--	88.60
12	Mar 12,2015 14:30	Job Complete		--	--	--	--	88.60
13	Mar 12,2015 14:40	Wash		--	--	--	--	88.60
14	Mar 12,2015 14:59	Rig Out		--	--	--	--	88.60
15	Mar 12,2015 15:15	Pre-Departure Meeting		--	--	--	--	88.60
		Remarks: Discussed journey management						
16	Mar 12,2015 15:30	Leave Location		--	--	--	--	88.60

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

57623

57624