



## Pumping Service Report

9191275

Client Name Anadarko Petroleum Corporation	Well Name UPRR 43 Pan Am UTY #1	Rig ECWS 7	Job Date January 27,2015	Call Sheet 1054253
Client Representative Mr. Dave Donoho	Surface Well Location NE NW Sec 14:T1N:R68W	Down Hole Well Location	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):	--- @ --

### Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
12.500	--	0.000	--	--	--

### Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.875	6.500	J-55	7,680.000	19.100	2.441	3.668	0.000	3,300.000

### Products

#### Plug 1

From Depth (ft): 3344

To Depth (ft): 3088

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 190 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 38.9 (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): 3088

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Dec 22, 2014 17:25



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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>
201009	PICKUP	1 Ton				01/27/2015 09:00	01/27/2015 12:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/27/2015 09:00	01/27/2015 12:00
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	01/27/2015 09:00	01/27/2015 12:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Maguire, Matthew (26325)	01/27/2015 09:00	01/27/2015 12:00					
Schroeder, Stephen (25442)	01/27/2015 09:00	01/27/2015 12:00					
Teegerstrom, Ty (27623)	01/27/2015 09:00	01/27/2015 12:00					
Melgarejo Herrera, Eduardo (26606)	01/27/2015 09:00	01/27/2015 12:00					
Vasquez, Brandon (29989)	01/27/2015 09:00	01/27/2015 12:00					



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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	Jan 27,2015 08:30	Arrive On Location		--	--	--	--	0.00
2	Jan 27,2015 08:40	Tailgate Meeting		--	--	--	--	0.00
		Remarks: JSA						
3	Jan 27,2015 08:45	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Jan 27,2015 09:30	Rig in Complete		--	--	--	--	0.00
5	Jan 27,2015 09:35	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Jan 27,2015 09:40	STEACS Briefing		--	--	--	--	0.00
7	Jan 27,2015 09:55	Sign-off on Safety		--	--	--	--	0.00
8	Jan 27,2015 10:00	Start - Fluid	Water	1.00	130.0	--	1.00	1.00
		Remarks: Filled lines.						
9	Jan 27,2015 10:05	Pressure Test Start	Water	--	2,000.0	--	--	1.00
10	Jan 27,2015 10:06	Pressure Test Complete	Water	--	2,000.0	--	--	1.00
		Remarks: All lines held pressure.						
11	Jan 27,2015 10:07	Establish Circulation	Water	1.00	400.0	--	1.00	2.00
		Remarks: We had circulation.						
12	Jan 27,2015 10:17	Mix Cement	0-1-0 G	2.00	400.0	--	38.90	40.90
		Remarks: WR=4.98,						
13	Jan 27,2015 10:41	Displace Fluid	Water	2.00	180.0	--	17.70	58.60
		Remarks: Displaced to a balanced plug.						
14	Jan 27,2015 10:49	Stop		--	--	--	--	58.60
15	Jan 27,2015 11:00	Wash	Water	1.50	100.0	--	20.00	58.60
16	Jan 27,2015 11:30	Rig Out		--	--	--	--	58.60
		Remarks: Revisit JSA.						
17	Jan 27,2015 11:52	Pre-Departure Meeting		--	--	--	--	58.60
18	Jan 27,2015 11:55	Job Complete		--	--	--	--	58.60
19	Jan 27,2015 12:00	Leave Location		--	--	--	--	58.60
		Remarks: Revisit JSA.						

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

55911

55912



## Pumping Service Report

9199333

Client Name Anadarko Petroleum Corporation	Well Name UPRR 43 Pan Am UTY #1	Rig ECWS 7	Job Date January 28,2015	Call Sheet 1054310
Client Representative Mr. Dave Donoho	Surface Well Location NE NW Sec 14:T1N:R68W	Down Hole Well Location	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)
13.000	--	774.000	1,430.000	--	--

### 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)
8.625	24.000	J-55	1,370.0	2,950.0	49.29	8.097	9.625	0.0	774.0

### Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.875	6.500	J-55	7,680.000	8.280	2.441	3.668	0.000	1,430.000

### Products

#### Plug 1

From Depth (ft): 0

To Depth (ft): 1430

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 600 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 142 (bbl)

Water Temperature(°F) = 46 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 63

+ 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: Surface

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Dec 22, 2014 17:25



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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>
201274	PICKUP	3/4 Ton				01/28/2015 09:30	01/28/2015 13:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/28/2015 09:30	01/28/2015 13:00
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	01/28/2015 09:30	01/28/2015 13:00
200910	PICKUP	1/2 Ton				01/28/2015 09:30	01/28/2015 13:00
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)	01/28/2015 09:30	01/28/2015 13:00					
Teegerstrom, Ty (27623)	01/28/2015 09:30	01/28/2015 13:00					
Vitera, John (29843)	01/28/2015 09:30	01/28/2015 13:00					
Spirek, Matthew (26921)	01/28/2015 09:30	01/28/2015 13:00					
Prock, Jason (18615)	01/28/2015 09:30	01/28/2015 13:00					



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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	Jan 28,2015 09:30	Arrive On Location		--	--	--	--	0.00
2	Jan 28,2015 09:35	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
3	Jan 28,2015 09:55	Rig In		--	--	--	--	0.00
4	Jan 28,2015 10:15	Rig in Complete		--	--	--	--	0.00
5	Jan 28,2015 10:20	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
6	Jan 28,2015 10:39	Start - Fluid	Water	1.00	--	--	1.00	1.00
		Remarks: filled lines						
7	Jan 28,2015 10:40	Pressure Test Start	Water	--	3,000.0	--	--	1.00
		Remarks: good pressure test						
8	Jan 28,2015 10:42	Pressure Test Complete	Water	--	--	--	--	1.00
9	Jan 28,2015 10:43	Pump Preflush	Water	2.50	100.0	--	10.00	11.00
		Remarks: mud flush						
10	Jan 28,2015 10:46	Pump Spacer	Water	1.50	100.0	--	5.00	16.00
		Remarks: fresh water spacer						
11	Jan 28,2015 10:50	Mix Cement	0:1:0 Type III	2.50	300.0	--	142.00	158.00
		Remarks: plug cement @ 14.8 ppg yield = 1.33 h2o req. = 6.31						
12	Jan 28,2015 11:59	Displace Fluid	Water	1.75	300.0	--	1.50	159.50
		Remarks: displaced to balance						
13	Jan 28,2015 12:01	Balance Plug	Water	--	0.0	--	--	159.50
14	Jan 28,2015 12:05	Tailgate Meeting		--	--	--	--	159.50
		Remarks: revisit JSA						
15	Jan 28,2015 12:10	Rig Out		--	--	--	--	159.50
16	Jan 28,2015 12:20	Wash	Water	--	--	--	--	159.50
		Remarks: washed pumps and lines						
17	Jan 28,2015 12:45	Job Complete		--	--	--	--	159.50
18	Jan 28,2015 12:50	Pre-Departure Meeting		--	--	--	--	159.50
19	Jan 28,2015 13:00	Leave Location		--	--	--	--	159.50

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 5

Temperature (°F) : 65

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes