



**Pumping
Service Report**

9189409

Client Name Anadarko Petroleum Corporation	Well Name UPRR 42 Pan Am A01	Rig Basic 1549	Job Date August 07, 2014	Call Sheet 1045228
Client Representative Larry Webb	Surface Well Location NE NE Sec 35:T2N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

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 (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)
4.500	10.500	J-55	4,010.0	4,790.0	23.92	4.052	5.000	0.0	1,500.0

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	--	1.995	2.910	--	--

Products

Plug 1

From Depth (ft): 1400
To Depth (ft): 1500
Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 800 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 189.5 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60
+ 0.25 lb/sack of Polyflake (Preblend),
+ 0.5 % of CaCl₂ (Preblend),
+ 0.3 % of CFR-2 (Preblend),
+ 0.3 % of CFL-3 (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jul 14, 2014 11:16



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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				08/07/2014 14:30	08/07/2014 19:30
740069	BODY JOB	C & A				08/07/2014 14:30	08/07/2014 19:30
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	08/07/2014 14:30	08/07/2014 19:30
446075	TRAILER	Bulker	746075	TRACTOR	Tandem - Tractor	08/07/2014 14:30	08/07/2014 19:30
201266	PICKUP	1/2 Ton				08/07/2014 14:30	08/07/2014 19:30

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	08/07/2014 14:30	08/07/2014 19:30		
Prigmore, Dominic	08/07/2014 14:30	08/07/2014 19:30		
Leue, David	08/07/2014 14:30	08/07/2014 19:30		
Paiu, Corneliu	08/07/2014 14:30	08/07/2014 19:30		
Prock, Jason	08/07/2014 14:30	08/07/2014 19:30		

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	Aug 07,2014 14:30	Arrive On Location	---	--	--	--	--	0.00
		Remarks: arrived on time						
2	Aug 07,2014 14:40	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: talked about spotting trucks and rigging in						
3	Aug 07,2014 14:50	Rig In	---	--	--	--	--	0.00
		Remarks: rig into a 4.5 head						
4	Aug 07,2014 16:20	Sign-off on Safety	---	--	--	--	--	0.00
		Remarks: signed our and their JSA						
5	Aug 07,2014 16:21	Safety Meeting	---	--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
6	Aug 07,2014 16:42	Start - Fluid	Water	1.00	60.0	--	0.50	0.50
		Remarks: filled lines for pressure testing.						
7	Aug 07,2014 16:50	Pressure Test	Water	0.00	2,000.0	--	0.00	0.50
		Remarks: pressured lines and they held.						
8	Aug 07,2014 16:52	Establish Circulation	Water	4.00	1,000.0	--	5.00	5.50
		Remarks: got circulation						
9	Aug 07,2014 16:58	Mix Cement	0:1:0 Type III	4.00	600.0	--	189.50	195.00
		Remarks: mixed slurry at 14.8						
10	Aug 07,2014 18:38	Stop	---	--	--	--	--	195.00
		Remarks: stop to drop the plug						
11	Aug 07,2014 18:40	Drop Plug	---	--	--	--	--	195.00
		Remarks: drop the plug						
12	Aug 07,2014 18:42	Pump Displacement	---	4.00	1,000.0	--	22.00	217.00
		Remarks: displaced the plug to 1400'						
13	Aug 07,2014 18:50	Stop	---	--	--	--	--	217.00
		Remarks: stop						
14	Aug 07,2014 18:55	Wash	Water	2.00	100.0	--	15.00	232.00
		Remarks: washed the pump and mix side						
15	Aug 07,2014 19:20	Rig Out	---	--	--	--	--	232.00
		Remarks: rig out our iron						
16	Aug 07,2014 19:30	Pre-Departure Meeting	---	--	--	--	--	232.00
		Remarks: journey mangement						
17	Aug 07,2014 19:40	Job Complete	---	--	--	--	--	232.00
		Remarks: do a walk around and check pins						
18	Aug 07,2014 19:50	Leave Location	---	--	--	--	--	232.00
		Remarks: go back to yard						



**Pumping
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9188634

Client Name Anadarko Petroleum Corporation	Well Name UPRR 42 Pan Am A01	Rig Basic 1549	Job Date August 06, 2014	Call Sheet 1045161
Client Representative Larry Webb	Surface Well Location NE NE Sec 35:T2N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

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	20.000	0.000	5,173.000	--	--

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)
4.500	11.600	J-55	4,960.0	5,350.0	80.40	4.000	5.000	0.0	5,173.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
1.660	2.400	J-55	8,490.000	9.570	1.380	2.200	0.000	5,173.000

Products

Plug 1

From Depth (ft): 4237

To Depth (ft): 5173

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 550 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 112 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80
+ 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: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jul 14, 2014 11:16



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Service Report**

9188634

Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201191	PICKUP	1 Ton				08/06/2014 13:00	08/06/2014 18:15
740004	BODY JOB	C & A				08/06/2014 13:00	08/06/2014 18:15
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	08/06/2014 13:00	08/06/2014 18:15
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	08/06/2014 13:00	08/06/2014 18:15

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Hall, Andrew J	08/06/2014 13:00	08/06/2014 18:15		
Prigmore, Dominic	08/06/2014 13:00	08/06/2014 18:15		
Paiu, Vladislav	08/06/2014 13:00	08/06/2014 18:15		
Leue, David	08/06/2014 13:00	08/06/2014 18:15		
Estrada, John	08/06/2014 13:00	08/06/2014 18:30		
Prock, Jason	08/06/2014 13:00	08/06/2014 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	Aug 06,2014 13:00	Arrive On Location	---	--	--	--	--	0.00
2	Aug 06,2014 13:15	Tailgate Meeting	---	--	--	--	--	0.00
3	Aug 06,2014 13:30	Rig In	---	--	--	--	--	0.00
4	Aug 06,2014 14:30	Safety Meeting	---	--	--	--	--	0.00
5	Aug 06,2014 14:45	Sign-off on Safety	---	--	--	--	--	0.00
6	Aug 06,2014 15:00	Pressure Test	Water	2.00	3,000.0	--	3.00	3.00
7	Aug 06,2014 15:05	Pump Preflush	Water	2.00	1,100.0	--	20.00	23.00
		Remarks: SMS						
8	Aug 06,2014 15:15	Pump Spacer	Water	2.00	1,500.0	--	5.00	28.00
9	Aug 06,2014 15:25	Pump	0-1-0 G	2.00	2,000.0	--	112.00	140.00
10	Aug 06,2014 16:30	Displace Fluid	Water	2.00	3,000.0	--	8.00	148.00
11	Aug 06,2014 16:45	Wash	Water	2.00	100.0	--	10.00	158.00
12	Aug 06,2014 17:00	Rig Out	---	--	--	--	--	158.00
13	Aug 06,2014 17:45	Job Complete	---	--	--	--	--	158.00
14	Aug 06,2014 18:00	Pre-Departure Meeting	---	--	--	--	--	158.00
15	Aug 06,2014 18:15	Leave Location	---	--	--	--	--	158.00

Did Float Hold: Not Applicable

Fluid Returns : No

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes