



**Pumping
Service Report**

9200661

Client Name Anadarko Petroleum Corporation	Well Name UPRR 62 Pan Am K #1	Rig ECWS 9	Job Date November 12, 2014	Call Sheet 1050311
Client Representative Mr. Chris Row	Surface Well Location NW NE Sec 15:T2N:R65W	Down Hole Well Location	Job Type Cement Misc.	

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	11.600	J-55	4,960.0	5,350.0	103.67	4.000	5.000	0.0	6,670.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700	J-55	8,100.000	25.790	1.995	2.910	0.000	6,670.000

Products

Stage 1

From Depth (ft): 5975.98

To Depth (ft): 6670

Acids/Blends/Fluids :

Plug: 40 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 10.75 (bbl)

Water Temperature(°F) = 40 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Nov 04, 2014 18:57



**Pumping
Service Report**

9200661

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>
201017	PICKUP	1 Ton				11/12/2014 15:00	11/12/2014 18:45
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	11/12/2014 15:00	11/12/2014 18:45
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	11/12/2014 15:00	11/12/2014 18:45

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Hall, Andrew J	11/12/2014 15:00	11/12/2014 18:45		
Leue, David	11/12/2014 15:00	11/12/2014 18:45		
Phillips, James	11/12/2014 15:00	11/12/2014 18:45		
Daniel, David Darnell				

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 12, 2014 15:00	Arrive On Location	---	--	--	--	--	0.00
2	Nov 12, 2014 15:10	Tailgate Meeting	---	--	--	--	--	0.00
3	Nov 12, 2014 15:20	STEACS Briefing	---	--	--	--	--	0.00
4	Nov 12, 2014 15:40	Rig In	---	--	--	--	--	0.00
5	Nov 12, 2014 16:10	Safety Meeting	---	--	--	--	--	0.00
6	Nov 12, 2014 16:30	Sign-off on Safety	---	--	--	--	--	0.00
7	Nov 12, 2014 16:45	Pressure Test	Water	2.00	2,000.0	--	5.00	5.00
8	Nov 12, 2014 16:55	Pump	Thermal 35	2.50	25.0	--	10.75	15.75
9	Nov 12, 2014 17:00	Displace Fluid	Water	2.50	200.0	--	23.12	38.87
10	Nov 12, 2014 17:20	Wash	Water	1.50	22.0	--	20.00	58.87
11	Nov 12, 2014 17:50	Rig Out	---	--	--	--	--	58.87
12	Nov 12, 2014 18:20	Job Complete	---	--	--	--	--	58.87
13	Nov 12, 2014 18:30	Pre-Departure Meeting	---	--	--	--	--	58.87
14	Nov 12, 2014 18:45	Leave Location	---	--	--	--	--	58.87

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

Material Transfer Sheet Number

Material Transfer Sheet Number

54967



Pumping Service Report

9206033

Client Name Anadarko Petroleum Corporation	Well Name UPRR 62 Pan Am K 1	Rig Leed 716	Job Date April 28,2015	Call Sheet 1057448
Client Representative Mr. Al Morales	Surface Well Location NW NE Sec 15:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Contreras, Bennie (23469)

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)
8.625	24.000	J-55	1,370.0	2,950.0	16.18	8.097	9.625	0.0	254.0
4.500	10.500	J-55	4,010.0	4,790.0	73.84	4.052	5.000	0.0	4,630.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700	J-55	8,100.000	15.700	1.995	2.910	0.000	4,060.000

Products

Plug 1

From Depth (ft): 3872

To Depth (ft): 4630

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 410 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 84 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 72

+ 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	--	--	--	--	Apr 27, 2015 16:14

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	4,060.000	Third Party



Pumping Service Report

9206033

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>
201017	PICKUP	1 Ton				04/28/2015 12:30	04/28/2015 16:30
740067	BODY JOB	C & A				04/28/2015 12:30	04/28/2015 16:30
446171	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	04/28/2015 12:30	04/28/2015 16:30
200918	PICKUP	3/4 Ton				04/28/2015 12:30	04/28/2015 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>			
Contreras, Bennie (23469)	04/28/2015 12:30	04/28/2015 16:30					
Davila, Israel (28152)	04/28/2015 12:30	04/28/2015 16:30					
Crane, Troy (29924)	04/28/2015 12:30	04/28/2015 16:30					
Schroeder, Stephen (25442)	04/28/2015 12:30	04/28/2015 16:30					



Pumping Service Report

9206033

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	Apr 28,2015 12:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived.						
2	Apr 28,2015 12:40	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.						
3	Apr 28,2015 13:20	Rig in Complete		--	--	--	--	0.00
		Remarks: Rig in complete.						
4	Apr 28,2015 13:21	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.						
5	Apr 28,2015 14:46	Pressure Test Start	Water	--	3,000.0	--	--	0.00
		Remarks: 2000 psi pressure test.						
6	Apr 28,2015 14:47	Pressure Test Complete		--	--	--	--	0.00
		Remarks: Test complete.						
7	Apr 28,2015 14:50	Establish Circulation	Water	3.00	900.0	--	5.00	5.00
		Remarks: 5 BBLs of water to establish circulation.						
8	Apr 28,2015 14:52	Pump Preflush	Water	3.00	900.0	--	20.00	25.00
		Remarks: 20 BBLs of SMS.						
9	Apr 28,2015 14:58	Pump Spacer	Water	1.50	200.0	--	5.00	30.00
		Remarks: 5 BBLs of fresh water spacer.						
10	Apr 28,2015 15:02	Mix Cement	0-1-0 G	3.00	350.0	--	84.00	114.00
		Remarks: Mix and pump 84 BBLs of cement @ 15.8 lb/gal. Scaled for accuracy.						
11	Apr 28,2015 15:29	Displace Fluid	Water	3.00	1,000.0	--	13.00	127.00
		Remarks: Displace 13 BBLs of water.						
12	Apr 28,2015 16:00	Rig Out		--	--	--	--	127.00
		Remarks: Rig out.						
13	Apr 28,2015 16:15	Job Complete		--	--	--	--	127.00
		Remarks: Job complete.						
14	Apr 28,2015 16:30	Leave Location		--	--	--	--	127.00
		Remarks: Leave.						

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

Material Transfer Sheet Number

Material Transfer Sheet Number

57402

57403



Pumping Service Report

9203845

Client Name Anadarko Petroleum Corporation	Well Name UPRR 62 Pan Am K 1	Rig Leed 716	Job Date April 29,2015	Call Sheet 1057466
Client Representative Mr. Al Morales	Surface Well Location NW NE Sec 15:T2N:R65W	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):	--- @ --

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	16.18	8.097	9.625	0.0	254.0
4.500	10.500	J-55	4,010.0	4,790.0	21.37	4.052	5.000	0.0	1,340.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700	J-55	8,100.000	3.290	1.995	2.910	0.000	850.000

Products

Plug 1

From Depth (ft): 150

To Depth (ft): 850

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 350 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 83 (bbl)

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

+ 0.5 % of CaCl₂ (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 150

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Apr 27, 2015 16:14



Pumping Service Report

9203845

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	201168	PICKUP	1 Ton	04/29/2015 07:30	04/29/2015 11:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	04/29/2015 07:30	04/29/2015 11:30
446167	TRAILER	Bulker	746167	TRACTOR	Tandem - Tractor	04/29/2015 07:30	04/29/2015 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)	04/29/2015 07:30		04/29/2015 11:30				
Dunsbergen, Scott (29737)	04/29/2015 07:30		04/29/2015 11:30				
Pyfer, Kevin (29802)	04/29/2015 07:30		04/29/2015 11:30				



Pumping Service Report

9203845

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	Apr 29,2015 07:00	Arrive On Location		--	--	--	--	0.00
		Remarks: Sign in at company dog house and check in with company rep Mr. Al Morales.						
2	Apr 29,2015 07:05	Tailgate Meeting		--	--	--	--	0.00
		Remarks: Fill out JSA.						
3	Apr 29,2015 08:00	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Apr 29,2015 08:30	Rig in Complete		--	--	--	--	0.00
5	Apr 29,2015 08:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Apr 29,2015 08:50	STEACS Briefing		--	--	--	--	0.00
7	Apr 29,2015 09:00	Sign-off on Safety		--	--	--	--	0.00
8	Apr 29,2015 09:02	Start - Fluid	Water	2.00	100.0	--	1.00	1.00
		Remarks: Filled lines.						
9	Apr 29,2015 09:03	Pressure Test Start	Water	--	2,000.0	--	--	1.00
10	Apr 29,2015 09:04	Pressure Test Complete	Water	--	2,000.0	--	--	1.00
		Remarks: All lines held pressure.						
11	Apr 29,2015 09:05	Establish Circulation	Water	2.00	1,150.0	--	15.00	16.00
		Remarks: We had circulation.						
12	Apr 29,2015 09:14	Mix Cement	0:1:0 Type III	2.00	1,400.0	--	83.00	99.00
		Remarks: (72 bbls, sting out, pump 11 bbls)						
13	Apr 29,2015 10:02	Displace Fluid	Water	1.50	600.0	--	1.50	100.50
		Remarks: Flushed lines.						
14	Apr 29,2015 10:04	Stop		--	--	--	--	100.50
15	Apr 29,2015 10:15	Wash	Water	1.50	100.0	--	20.00	100.50
16	Apr 29,2015 10:55	Rig Out		--	--	--	--	100.50
		Remarks: Revisit JSA.						
17	Apr 29,2015 11:15	Pre-Departure Meeting		--	--	--	--	100.50
18	Apr 29,2015 11:25	Job Complete		--	--	--	--	100.50
19	Apr 29,2015 11:30	Leave Location		--	--	--	--	100.50
		Remarks: Revisit JSA, leave location safely.						

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

57409

57410