



Pumping Service Report

9203658

Client Name Anadarko Petroleum Corporation	Well Name Martin Raymond GU 1	Rig ECWS 9	Job Date February 23,2015	Call Sheet 1055765
Client Representative Mr. Chris Row	Surface Well Location SW NE Sec 34:T4N:R66W	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):	--- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
9.500	--	7,100.000	6,500.000	--	--

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	17.77	8.097	9.625	0.0	279.0
4.500	11.600	J-55	4,960.0	5,350.0	110.35	4.000	5.000	0.0	7,100.0

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	25.250	1.995	2.910	0.000	6,530.000

Products

Plug 1

From Depth (ft): 6336

To Depth (ft): 7100

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 210 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 62 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 45 , Slurry Temperature(°F) = 67

+ 3 % of Gel (Preblend),

+ 0.4 % of CFL-3 (Preblend),

+ 0.4 % of CFR-2 (Preblend),

+ 0.1 % of SMS (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	--	--	Jan 05, 2015 15:14

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	6,530.000	Third Party



Pumping Service Report

9203658

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				02/23/2015 12:30	02/23/2015 16:30
740018-1	BODY JOB	C & A				02/23/2015 12:30	02/23/2015 16:30
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	02/23/2015 12:30	02/23/2015 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)	02/23/2015 12:30	02/23/2015 16:30					
Bailey, Steven (29186)	02/23/2015 12:30	02/23/2015 16:30					
Johnson, Jakob (30073)	02/23/2015 12:30	02/23/2015 16:30					



Pumping Service Report

9203658

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	Feb 23,2015 16:00	Rig Out		--	--	--	--	0.00
		Remarks: Rig out.						
2	Feb 23,2015 12:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived.						
3	Feb 23,2015 12:50	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.						
4	Feb 23,2015 13:20	Rig in Complete		--	--	--	--	0.00
		Remarks: Rig in complete.						
5	Feb 23,2015 13:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.						
6	Feb 23,2015 14:44	Pressure Test Start	Water	--	3,500.0	--	--	0.00
		Remarks: Pressure test 3500 psi.						
7	Feb 23,2015 14:45	Pressure Test Complete		--	--	--	--	0.00
		Remarks: Test complete.						
8	Feb 23,2015 14:46	Establish Circulation	Water	2.40	1,200.0	--	10.00	10.00
		Remarks: 10 BBLs of water to establish circulation.						
9	Feb 23,2015 14:50	Mix Cement	1-1-0 G	3.00	500.0	--	62.00	72.00
		Remarks: 62 BBLs of cement @ 13.5 scaled for accuracy.						
10	Feb 23,2015 15:10	Displace Fluid	Water	3.00	1,500.0	--	22.30	94.30
		Remarks: Displace 22.3 BBLs of water leaving 3 BBLs on top retainer.						
11	Feb 23,2015 16:00	Rig Out		--	--	--	--	94.30
		Remarks: Rig out.						
12	Feb 23,2015 16:10	Job Complete		--	--	--	--	94.30
		Remarks: Job complete.						
13	Feb 23,2015 16:30	Leave Location		--	--	--	--	94.30
		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

55794



Pumping Service Report

9202399

Client Name Anadarko Petroleum Corporation	Well Name Martin Raymond GU 1	Rig ECWS 9	Job Date February 25,2015	Call Sheet 1055854
Client Representative Mr. Chris Row	Surface Well Location SW NE Sec 34:T4N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Johnson, Quintin (23945)

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)
11.000	--	3,960.000	4,470.000	--	--

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)
4.500	11.600	J-55	4,960.0	5,350.0	7.93	4.000	5.000	3,960.0	4,470.0

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	15.460	1.995	2.910	0.000	4,000.000

Products

Plug 1

From Depth (ft): 4000

To Depth (ft): 4470

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 350 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 71.7 (bbl)

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

+ 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	--	--	Jan 05, 2015 15:14

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	4,000.000	Client



Pumping Service Report

9202399

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	449039	TRAILER	Utility Trailer	02/25/2015 06:30	02/25/2015 12:30
445026	TRAILER	SCM Twin	745026	TRACTOR	Tandem - Tractor	02/25/2015 06:30	02/25/2015 12:30
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	02/25/2015 06:30	02/25/2015 12:30
200918	PICKUP	3/4 Ton				02/25/2015 06:30	02/25/2015 12:30

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 (23945)	02/25/2015 06:30	02/25/2015 12:30		
Leue, David (28684)	02/25/2015 06:30	02/25/2015 12:30		
Meisner, Jeremy (27681)	02/25/2015 06:30	02/25/2015 12:30		
Welch, Steven (30076)	02/25/2015 06:30	02/25/2015 12:30		
Schroeder, Stephen (25442)	02/25/2015 06:30	02/25/2015 12:30		

Treatment Reports & Remarks

**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	Feb 25,2015 06:30	Arrive On Location		--	--	--	--	0.00
2	Feb 25,2015 06:40	Tailgate Meeting		--	--	--	--	0.00
		Remarks: talked about spotting trucks						
3	Feb 25,2015 06:50	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: talked about site hazards and how to mitigate them						
4	Feb 25,2015 08:00	Rig In		--	--	--	--	0.00
		Remarks: rigged in our trucks and 3rd party water						
5	Feb 25,2015 09:30	Rig in Complete		--	--	--	--	0.00
		Remarks: rig in done gather for safety meeting						
6	Feb 25,2015 09:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
7	Feb 25,2015 09:41	Sign-off on Safety		--	--	--	--	0.00
		Remarks: signed their and our JSA						
8	Feb 25,2015 09:59	Pressure Test Start	Water	2.00	60.0	--	1.00	1.00
		Remarks: filled lines for pressure test						
9	Feb 25,2015 10:02	Pressure Test	Water	0.00	3,000.0	--	0.00	1.00
		Remarks: pressured lines and they held good						
10	Feb 25,2015 10:03	Pressure Test Complete		--	--	--	--	1.00
		Remarks: opened up well to pump job						
11	Feb 25,2015 10:04	Pump Preflush	Water	2.00	800.0	--	20.00	21.00
		Remarks: pumped SMS						
12	Feb 25,2015 10:11	Pump Spacer	Water	1.00	800.0	--	10.00	31.00
		Remarks: pumped fresh between sms and slurry						
13	Feb 25,2015 10:37	Mix Cement	0-1-0 G	2.00	25.0	--	73.00	104.00
		Remarks: mixed slurry at 15.8						
14	Feb 25,2015 11:03	Pump Displacement	Water	2.00	1,000.0	--	12.50	116.50
		Remarks: displaced fresh leaving 3 bbls on top						
15	Feb 25,2015 11:13	Stop		--	--	--	--	116.50
		Remarks: stopped held pressure till stung out of retainer						
16	Feb 25,2015 11:15	Wash	Water	2.00	150.0	--	20.00	136.50
		Remarks: washed mix and did run backs						
17	Feb 25,2015 11:17	Rig Out		--	--	--	--	136.50
		Remarks: rigged out our trucks and 3rd party water						
18	Feb 25,2015 11:50	Job Complete		--	--	--	--	136.50
		Remarks: do walk around and check trailer and pins						
19	Feb 25,2015 12:00	Leave Location		--	--	--	--	136.50
		Remarks: Go back to Sanjel Yard						



Treatment Reports & Remarks

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

55811

355810



Pumping Service Report

9203754

Client Name Anadarko Petroleum Corporation	Well Name Martin Raymond GU 1	Rig ECWS 9	Job Date February 27,2015	Call Sheet 1055946
Client Representative Mr. Chris Row	Surface Well Location SW NE Sec 34:T4N:R66W	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)
11.000	40.000	279.000	980.000	--	--

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	28.000	J-55	1,880.0	3,400.0	16.79	8.017	9.625	0.0	269.0
4.500	11.600	J-55	4,960.0	5,350.0	1.55	4.000	5.000	980.0	1,080.0

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	4.180	1.995	2.910	0.000	1,080.000

Products

Plug 1

From Depth (ft): 0

To Depth (ft): 1080

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 550 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 130 (bbl)

Water Temperature(°F) = 52 , Bulk Temperature(°F) = 15 , Slurry Temperature(°F) = 60

+ 0.5 % of CaCl₂ (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend),

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

+ 0.3 % of CFL-3 (Preblend),

+ 0.3 % of CFR-2 (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	--	--	Jan 05, 2015 15:14



Pumping Service Report

9203754

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>
201191	PICKUP	1 Ton	449086	TRAILER	Utility Trailer	02/27/2015 06:30	02/27/2015 12:30
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	02/27/2015 06:30	02/27/2015 12:30
446173	TRAILER	Bulker	746173	TRACTOR	Tandem - Tractor	02/27/2015 06:30	02/27/2015 12:30

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Schneider, Patrick (24093)	02/27/2015 06:30	02/27/2015 12:30		
Teegerstrom, Ty (27623)	02/27/2015 06:30	02/27/2015 12:30		
Vasquez, Brandon (29989)	02/27/2015 06:30	02/27/2015 12:30		
Daniel, David Darnell (29841)	02/27/2015 06:30	02/27/2015 12:30		

Treatment Reports & Remarks



Pumping Service Report

9203754

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	Feb 27,2015 06:30	Arrive On Location		--	--	--	--	0.00
2	Feb 27,2015 06:35	Wait on Client (non Sanjel)		--	--	--	--	0.00
		Remarks: waited for rig to move equipment so we could spot trucks						
3	Feb 27,2015 08:30	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
4	Feb 27,2015 09:00	Rig In		--	--	--	--	0.00
5	Feb 27,2015 09:30	Rig in Complete		--	--	--	--	0.00
6	Feb 27,2015 09:45	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
7	Feb 27,2015 10:27	Start - Fluid	Water	1.00	--	--	1.00	1.00
		Remarks: filled lines						
8	Feb 27,2015 10:29	Pressure Test Start	Water	--	2,500.0	--	--	1.00
9	Feb 27,2015 10:31	Pressure Test Complete	Water	--	0.0	--	--	1.00
		Remarks: good pressure test						
10	Feb 27,2015 10:32	Pump Preflush	Water	3.00	250.0	--	10.00	11.00
		Remarks: mud flush						
11	Feb 27,2015 10:36	Pump Spacer	Water	3.00	300.0	--	20.00	31.00
		Remarks: fresh water spacer						
12	Feb 27,2015 10:43	Mix Cement	0:1:0 Type III	3.00	300.0	--	130.00	161.00
		Remarks: 550 sks plug cement @ 14.8 ppg yield = 1.33 h2o req = 6.31						
13	Feb 27,2015 11:34	Displace Fluid	Water	2.00	225.0	--	4.00	165.00
		Remarks: displaced to balance						
14	Feb 27,2015 11:36	Balance Plug	Water	--	0.0	--	--	165.00
15	Feb 27,2015 11:40	Tailgate Meeting		--	--	--	--	165.00
		Remarks: revisited JSA						
16	Feb 27,2015 11:45	Rig Out		--	--	--	--	165.00
17	Feb 27,2015 12:00	Wash		--	--	--	--	165.00
		Remarks: washed pumps and lines						
18	Feb 27,2015 12:15	Job Complete		--	--	--	--	165.00
19	Feb 27,2015 12:20	Pre-Departure Meeting		--	--	--	--	165.00
20	Feb 27,2015 12:30	Leave Location		--	--	--	--	165.00
Did Float Hold:		Not Applicable						
Fluid Returns :		Yes						
Type :		Cement						
Volume (bbl) :		2						
Temperature (°F) :		65						
FDAS Functioning Correctly :		Yes						
Was the Program Followed As Per Design? :		Yes						



Treatment Reports & Remarks

Material Transfer Sheet Number

Material Transfer Sheet Number

55832

55833