



**Pumping  
Service Report**

**9198038**

Client Name Anadarko Petroleum Corporation	Well Name East Rinn 1	Rig Basic 1549	Job Date September 26,2014	Call Sheet 1047731
Client Representative Larry Webb	Surface Well Location SW SE Sec 15:T2N:R68W	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	11.600	J-55	4,960.0	5,350.0	10.10	4.000	5.000	6,760.0	7,410.0

**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	26.140	1.995	2.910	0.000	6,760.000

**Products**

**Plug 1**

From Depth (ft): 6760  
To Depth (ft): 7410  
Plug Type : Abandonment  
Acids/Blends/Fluids :

Plug: 115 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 33.9 (bbl)  
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60  
+ 20 % of Silica Flour (Preblend),  
+ 0.4 % of CFL-3 (Preblend),  
+ 0.4 % of CFR-2 (Preblend),  
+ 0.1 % of SMS (Preblend)

**Fluid & Cement Data**

Expected Cement Top: Depth (ft): 6750

**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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**9198038**

**Units & Personnel**

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201274	PICKUP	3/4 Ton				09/26/2014 16:00	09/26/2014 18:00
740004	BODY JOB	C & A				09/26/2014 16:00	09/26/2014 18:00
746506	BODY JOB	Baby Bulker				09/26/2014 16:00	09/26/2014 18:00

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Contreras, Bennie	09/26/2014 16:00	09/26/2014 18:00		
Laeger, Kacey	09/26/2014 16:00	09/26/2014 18:00		
Curtner, Jerry	09/26/2014 16:00	09/26/2014 18:00		
Daylong, Eric	09/26/2014 16:00	09/26/2014 18:00		

**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	Sep 26,2014 16:00	Arrive On Location	---	--	--	--	--	0.00	
2	Sep 26,2014 16:15	Tailgate Meeting	---	--	--	--	--	0.00	
3	Sep 26,2014 16:20	Rig In	---	--	--	--	--	0.00	
4	Sep 26,2014 17:15	Safety Meeting	---	--	--	--	--	0.00	
5	Sep 26,2014 17:20	Sign-off on Safety	---	--	--	--	--	0.00	
6	Sep 26,2014 17:25	Pressure Test	Water	--	--	--	--	0.00	
		Remarks: 3500 Lines held good							
7	Sep 26,2014 17:27	Establish Circulation	Water	1.50	600.0	--	10.00	10.00	
		Remarks: Circulation							
8	Sep 26,2014 17:43	Mix Cement	1-1-0 G	1.50	600.0	--	33.90	43.90	
		Remarks: 115sks at 13.5 lb/gal							
9	Sep 26,2014 18:10	Displace Fluid	Water	2.00	800.0	--	26.00	69.90	
		Remarks: Displace to retainer							
10	Sep 26,2014 18:30	Stop	---	--	--	--	--	69.90	
11	Sep 26,2014 18:35	Wash	---	--	--	--	15.00	69.90	
12	Sep 26,2014 18:45	Job Complete	---	--	--	--	--	69.90	
13	Sep 26,2014 18:45	Rig Out	---	--	--	--	--	69.90	
14	Sep 26,2014 18:55	Pre-Departure Meeting	---	--	--	--	--	69.90	
15	Sep 26,2014 19:00	Leave Location	---	--	--	--	--	69.90	

Did Float Hold:

Fluid Returns : No

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes



**Pumping  
Service Report**

**9198759**

Client Name Anadarko Petroleum Corporation	Well Name East Rinn 1	Rig Basic 1549	Job Date September 29, 2014	Call Sheet 1047876
Client Representative Larry Webb	Surface Well Location SW SE Sec 15:T2N:R68W	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	11.600	--	--	--	--	--	--	0.0	5,010.0

**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	15.600	1.995	2.910	0.000	4,035.000

**Products**

**Plug 1**

From Depth (ft): 4025  
 To Depth (ft): 5000  
 Plug Type : Abandonment  
 Acids/Blends/Fluids :

Plug: 790 Sacks of 1-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 175 (bbl)  
 Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60  
 + 0.5 % of CFR-2 (Preblend),  
 + 0.2 % of FMC (Preblend),  
 + 0.5 % of LWA (Preblend),  
 + 0.25 lb/sack of Polyflake (Preblend)

**Fluid & Cement Data**

Expected Cement Top: Depth (ft): 4025

**Wellbore Fluid**

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

**Attachment & Tools**

**Down Hole Tools**

Tool Type	Depth (ft)	Supplier
Cement Retainer	4,035.000	Third Party



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**9198759**

**Units & Personnel**

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
746506	BODY JOB	Baby Bulker				09/29/2014 10:00	09/29/2014 15:00
445026	TRAILER	SCM Twin				09/29/2014 10:00	09/29/2014 15:00
746173	TRACTOR	Tandem - Tractor				09/29/2014 10:00	09/29/2014 15:00
201025	PICKUP	1 Ton				09/29/2014 10:00	09/29/2014 15:00

**Crew and Bonuses**

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Meisner, Jeremy	09/29/2014 10:00	09/29/2014 15:00		
Morris, Theodore	09/29/2014 10:00	09/29/2014 15:00		
Martinez, Fernando	09/29/2014 10:00	09/29/2014 15:00		
Price, Ryan	09/29/2014 10:00	09/29/2014 15:00		

**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	Sep 29,2014 10:00	Arrive On Location	--	--	--	--	--	0.00
2	Sep 29,2014 10:15	Tailgate Meeting	--	--	--	--	--	0.00
3	Sep 29,2014 10:30	Rig In	--	--	--	--	--	0.00
4	Sep 29,2014 11:35	Safety Meeting	--	--	--	--	--	0.00
5	Sep 29,2014 11:45	Sign-off on Safety	--	--	--	--	--	0.00
6	Sep 29,2014 11:49	Pump	--	1.00	300.0	--	1.00	0.00
Remarks: filled lines for pressure test								
7	Sep 29,2014 11:51	Pressure Test	--	--	3,300.0	--	--	0.00
8	Sep 29,2014 11:54	Pump Preflush	Water	2.00	500.0	--	20.00	0.00
Remarks: pumped 20 bbl well seal, SMS								
9	Sep 29,2014 12:03	Pump Spacer	Water	1.00	500.0	--	5.00	0.00
10	Sep 29,2014 12:09	Mix Cement	1-1-0 G	3.00	800.0	--	175.00	0.00
11	Sep 29,2014 13:25	Pump Displacement	Water	2.00	600.0	--	15.50	0.00
12	Sep 29,2014 13:33	Stop	--	--	--	--	--	0.00
13	Sep 29,2014 13:40	Rig Out	--	--	--	--	--	0.00
14	Sep 29,2014 14:20	Wash	--	--	--	--	--	0.00
15	Sep 29,2014 14:45	Job Complete	--	--	--	--	--	0.00
16	Sep 29,2014 14:55	Pre-Departure Meeting	--	--	--	--	--	0.00
17	Sep 29,2014 15:00	Leave Location	--	--	--	--	--	0.00

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



**Pumping  
Service Report**

**9198760**

Client Name Anadarko Petroleum Corporation	Well Name East Rinn 1	Rig Basic 1549	Job Date September 30,2014	Call Sheet 1047937
Client Representative Larry Webb	Surface Well Location SW SE Sec 15:T2N:R68W	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):	--- @ --

<b>Open Hole</b>					
Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
12.500	--	526.000	960.000	--	--

<b>Casing</b>										
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		--	--	--	--	--	0.0	526.0	
4.500	11.600		--	--	--	--	--	960.0	1,055.0	

<b>Tubing</b>										
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	4.060	1.995	2.910	0.000	1,050.000	

**Products**

<b>Plug 1</b>	
From Depth (ft):	0
To Depth (ft):	1050
Plug Type :	Abandonment
Acids/Blends/Fluids :	
Pickle: <u>440 Sacks</u> of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 104 (bbl)	
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60	
+ 0.5 % of CaCl2 (Preblend),	
+ 0.3 % of CFL-3 (Preblend),	
+ 0.3 % of CFR-2 (Preblend),	
+ 0.4 % of CDF-4P (Preblend),	
+ 0.25 lb/sack of Polyflake (Preblend)	

**Fluid & Cement Data**

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



**Pumping  
Service Report**

**9198760**

**Units & Personnel**

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201025	PICKUP	1 Ton				09/30/2014 07:30	09/30/2014 10:45
445026	TRAILER	SCM Twin	745026	TRACTOR	Tandem - Tractor	09/30/2014 07:30	09/30/2014 10:45
446173	TRAILER	Bulker	746173	TRACTOR	Tandem - Tractor	09/30/2014 07:30	09/30/2014 10:45

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Price, Ryan	09/30/2014 07:30	09/30/2014 10:45		
Morris, Theodore	09/30/2014 07:30	09/30/2014 10:45		
Teegerstrom, Ty	09/30/2014 07:30	09/30/2014 10:45		

**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	Sep 30,2014 07:30	Arrive On Location		--	--	--	--	0.00	
2	Sep 30,2014 07:35	Tailgate Meeting		--	--	--	--	0.00	
3	Sep 30,2014 08:25	Safety Meeting		--	--	--	--	0.00	
4	Sep 30,2014 08:35	Sign-off on Safety		--	--	--	--	0.00	
5	Sep 30,2014 08:38	Pump	Water	1.00	25.0	--	1.00	0.00	
		Remarks: filled lines for pressure test							
6	Sep 30,2014 08:40	Pressure Test	Water	--	1,800.0	--	--	0.00	
7	Sep 30,2014 08:41	Pump Preflush	Water Based Mud	2.00	100.0	--	10.00	0.00	
8	Sep 30,2014 08:47	Pump Spacer	Water	2.00	100.0	--	20.00	0.00	
9	Sep 30,2014 08:58	Mix Cement	0:1:0 Type III	3.00	400.0	--	104.00	0.00	
		Remarks: cement to surface at 96 away then lost circulation							
10	Sep 30,2014 09:39	Pump Displacement	Water	2.00	500.0	--	1.00	0.00	
11	Sep 30,2014 09:55	Wash		--	--	--	--	0.00	
12	Sep 30,2014 10:15	Rig Out		--	--	--	--	0.00	
13	Sep 30,2014 10:45	Job Complete		--	--	--	--	0.00	
14	Sep 30,2014 10:55	Pre-Departure Meeting		--	--	--	--	0.00	
15	Sep 30,2014 11:00	Leave Location		--	--	--	--	0.00	

Did Float Hold: Not Applicable  
 Fluid Returns : Yes  
 Type : Cement  
 Volume (bbl) : 1  
 Temperature (°F) : 70  
 FDAS Functioning Correctly : Yes  
 Was the Program Followed As Per Design? : Yes