



**Pumping
Service Report**

9193422

Client Name Anadarko Petroleum Corporation	Well Name Russell Tom LC True # 1	Rig Basic 1557	Job Date August 08,2014	Call Sheet 1045267
Client Representative Al Morales	Surface Well Location SE SE Sec 30: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):	--- @ --

Products

Plug 1

From Depth (ft):	4814
To Depth (ft):	4798
Plug Type :	Abandonment
Acids/Blends/Fluids :	
Plug: 20 Sacks of 1-1-0 G, Density = 14.6 lb/gal, Volume Pumped = 4 (bbl)	
Water Temperature(°F) = 60	
+ 0.6 % of CFL-2 (Preblend),	
+ 0.3 % of CFR (Preblend),	
+ 0.3 % of LTR (Preblend),	
+ 0.6 % of SMS (Preblend),	
+ 0.2 % of SPC-2 (Preblend)	

Fluid & Cement Data

Expected Cement Top: Depth (ft): 4730

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jul 31, 2014 08:14

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449093	TRAILER	Utility Trailer	201191	PICKUP	1 Ton		
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor		
746506	BODY JOB	Baby Bulker					

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Douglass, Brian	08/08/2014 07:00	08/08/2014 12:00		
Schroeder, Stephen	08/08/2014 07:00	08/08/2014 12:00		
Paiu, Vladislav	08/08/2014 07:00	08/08/2014 12:00		
Bark, Eric	08/08/2014 07:00	08/08/2014 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	Aug 08,2014 09:00	Arrive On Location	---	--	--	--	--	0.00	
2	Aug 08,2014 09:15	Tailgate Meeting	---	--	--	--	--	0.00	
3	Aug 08,2014 09:20	Rig In	---	--	--	--	--	0.00	
4	Aug 08,2014 09:45	Safety Meeting	---	--	--	--	--	0.00	
5	Aug 08,2014 09:45	Sign-off on Safety	---	--	--	--	--	0.00	
6	Aug 08,2014 10:00	Pump	Water	1.00	--	--	1.00	0.00	
	Remarks: fill lines								
7	Aug 08,2014 10:00	Pressure Test	Water	--	2,000.0	--	--	0.00	
8	Aug 08,2014 10:05	Pump	Water	2.00	30.0	--	4.00	0.00	
	Remarks: fresh water ahead and injection test								
9	Aug 08,2014 10:10	Injection Test	Water	1.00	1,000.0	--	1.00	0.00	
	Remarks: Injected 1 bbl to get to 1000psi								
10	Aug 08,2014 10:15	Mix Cement	1-1-0 G	2.00	0.0	--	4.00	0.00	
	Remarks: 4 bbls, 20sks 14.6ppg 1:1:0 G								
11	Aug 08,2014 10:20	Displace Fluid	Water	2.00	200.0	--	17.00	0.00	
	Remarks: displace to balance								
12	Aug 08,2014 10:20	Pull Pipe	---	--	--	--	--	0.00	
	Remarks: 15 joints								
13	Aug 08,2014 10:20	Shut In-Well	---	--	--	--	--	0.00	
	Remarks: shut in backside								
14	Aug 08,2014 10:50	Pump	Water	1.00	1,000.0	--	0.50	0.00	
	Remarks: Squeeze cement								
15	Aug 08,2014 10:55	Pump	Water	1.00	1,000.0	--	0.50	0.00	
	Remarks: Squeeze cement								
16	Aug 08,2014 11:00	Pump	Water	1.00	1,000.0	--	0.50	0.00	
	Remarks: Squeeze cement								
17	Aug 08,2014 11:01	Hesitate	---	--	1,000.0	--	--	0.00	
	Remarks: Hold pressure for 30 mins								
18	Aug 08,2014 11:30	Pump	Water	1.00	1,000.0	--	0.50	0.00	
	Remarks: Scueeze cement								
19	Aug 08,2014 11:35	Shut In-Well	---	--	1,000.0	--	--	0.00	
20	Aug 08,2014 11:40	Rig Out	---	--	--	--	--	0.00	
21	Aug 08,2014 11:55	Pre-Departure Meeting	---	--	--	--	--	0.00	
22	Aug 08,2014 12:00	Leave Location	---	--	--	--	--	0.00	
23	Aug 08,2014 12:00	Job Complete	---	--	--	--	--	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									



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Comments To Service Report

Mixed and pluped 20sks 14.6ppg cement to squeeze off casing hole between 4783-4798' Job pumped as proposed



**Pumping
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Client Name Anadarko Petroleum Corporation	Well Name Russel Tom LC Tru #1	Rig Basic 1557	Job Date August 12, 2014	Call Sheet 1045472
Client Representative Mr Ronald Smith	Surface Well Location SE SE Sec 30: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	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	10.500	J-55	4,010.0	4,790.0	94.10	4.052	5.000	0.0	5,900.0

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	18.610	1.995	2.910	0.000	4,814.000

Products

Plug 1

From Depth (ft): 4814

To Depth (ft): 4644

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 10 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 2.7 (bbl)

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

+ 0.5 % of CFR-2,

+ 0.25 % of FMC

Fluid & Cement Data

Expected Cement Top: Depth (ft): 4644

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

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449086	TRAILER	Utility Trailer	201173	PICKUP	1 Ton	08/12/2014 15:00	08/12/2014 18:30
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	08/12/2014 15:00	08/12/2014 18:30
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	08/12/2014 15:00	08/12/2014 18:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Maguire, Matthew	08/12/2014 13:00	08/12/2014 18:30		
Hansen, Kevin	08/12/2014 13:00	08/12/2014 18:30		
Smock, Curtis	08/12/2014 13:00	08/12/2014 18:30		
Bark, Eric	08/12/2014 13:00	08/12/2014 18:30		

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 12, 2014 15:00	Arrive On Location	---	--	--	--	--	0.00
2	Aug 12, 2014 15:30	Tailgate Meeting	---	--	--	--	--	0.00
3	Aug 12, 2014 15:45	Rig In	---	--	--	--	--	0.00
4	Aug 12, 2014 16:20	Safety Meeting	---	--	--	--	--	0.00
5	Aug 12, 2014 16:30	Sign-off on Safety	---	--	--	--	--	0.00
6	Aug 12, 2014 16:32	Start - Fluid	Water	1.80	280.0	--	1.00	0.00
		Remarks: Filled lines w/ water.						
7	Aug 12, 2014 16:33	Pressure Test Lines	---	--	1,500.0	--	--	0.00
		Remarks: All lines held pressure.						
8	Aug 12, 2014 16:35	Establish Circulation	Water	1.80	280.0	--	3.00	0.00
		Remarks: We had circulation.						
9	Aug 12, 2014 16:43	Mix Cement	Thermal 35	2.00	240.0	--	2.70	0.00
10	Aug 12, 2014 16:45	Displace Fluid	Water	2.00	220.0	--	17.90	0.00
		Remarks: Displaced to a balanced plug.						
11	Aug 12, 2014 16:53	Stop	---	--	--	--	--	0.00
12	Aug 12, 2014 17:10	Wash	Water	1.50	100.0	--	20.00	0.00
13	Aug 12, 2014 17:45	Rig Out	---	--	--	--	--	0.00
14	Aug 12, 2014 18:00	Pre-Departure Meeting	---	--	--	--	--	0.00
15	Aug 12, 2014 18:10	Job Complete	---	--	--	--	--	0.00
16	Aug 12, 2014 18:15	Leave Location	---	--	--	--	--	0.00



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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

46480