



**Pumping  
Service Report**

**9184398**

Client Name Anadarko Petroleum Corporation	Well Name Cantrell Red V 1-13	Job Date October 25, 2013	Call Sheet 1031117
Client Representative Mr. Larry Webb	Location Sec 1:T2N:R67W	Job Type Miscellaneous Pumping	

**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)
3.500	0.000	J55	--	--	--	--	--	0.0	6,245.0

**Tubing**

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.063	3.250	J-55	7,690.000	18.600	1.751	2.325	0.000	6,245.000

**Products**

**Plug 1**

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Lead 1: 30 Sacks of Thermal 35, Density = 15.4 lb/gal, Volume Pumped = 8.1 (bbl)

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

+ 0.5 % of CFR,

+ 0.25 % of FMC

**Fluid & Cement Data**

Expected Cement Top: --					
<b>Wellbore Fluid</b>					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Sep 20, 2013 11:28



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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
449095	TRAILER	Utility Trailer	201173	PICKUP	1 Ton	10/25/13 07:00 AM	10/25/13 10:00 AM
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	10/25/13 07:00 AM	10/25/13 10:00 AM
446159	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	10/25/13 07:00 AM	10/25/13 10:00 AM

**Crew and Bonuses**

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Hall, Andrew J	10/25/2013 07:00 AM	10/25/2013 10:08 AM		
Johnson, Quintin	10/25/2013 07:00 AM	10/25/2013 10:08 AM		
Maguire, Matthew	10/25/2013 07:00 AM	10/25/2013 10:08 AM		
Schnacker, Leon	10/25/2013 07:00 AM	10/25/2013 10:08 AM		
Cox, Brandon	10/25/2013 07:00 AM	10/25/2013 10:08 AM		

**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	Oct 25,2013 07:00	Arrive On Location		--	--	--	--	0.00
2	Oct 25,2013 07:05	Tailgate Meeting		--	--	--	--	0.00
3	Oct 25,2013 07:15	Rig In		--	--	--	--	0.00
4	Oct 25,2013 08:00	Safety Meeting		--	--	--	--	0.00
5	Oct 25,2013 08:15	Sign-off on Safety		--	--	--	--	0.00
6	Oct 25,2013 08:25	Establish Circulation	Water	2.00	250.0	--	1.00	1.00
7	Oct 25,2013 08:30	Pressure Test	Water	1.00	2,500.0	--	0.50	1.50
8	Oct 25,2013 08:32	Pump Preflush	Water	2.00	1,100.0	--	20.00	21.50
		Remarks: pump sms						
9	Oct 25,2013 08:42	Pump Spacer	Water	1.00	200.0	--	5.00	26.50
10	Oct 25,2013 08:47	Pump	Thermal 35	2.00	1,200.0	--	8.10	34.60
11	Oct 25,2013 08:55	Stop		--	--	--	--	0.00
12	Oct 25,2013 08:55	Wash	Water	--	--	--	20.00	0.00
13		#Error		--	--	--	--	--
14	Oct 25,2013 09:55	Establish Circulation	Water	1.00	50.0	--	1.00	35.60
		Remarks: plug 2						
15	Oct 25,2013 09:57	Pressure Test	Water	0.50	2,500.0	--	1.00	36.60
		Remarks: plug2						
16	Oct 25,2013 10:03	Pump	Thermal 35	2.00	900.0	--	13.40	50.00
		Remarks: plug2						
17	Oct 25,2013 10:11	Displace Fluid	Water	1.50	500.0	--	9.50	59.50
		Remarks: plug 2						
18	Oct 25,2013 10:15	Wash	Water	1.00	0.0	--	20.00	79.50
		Remarks: plug2						
19	Oct 25,2013 10:25	Rig Out		--	--	--	--	79.50
		Remarks: plug2						
20	Oct 25,2013 11:00	Pre-Departure Meeting		--	--	--	--	79.50
		Remarks: plug2						
21	Oct 25,2013 11:15	Job Complete		--	--	--	--	79.50
		Remarks: plug2						
22	Oct 25,2013 11:20	Leave Location		--	--	--	--	79.50
		Remarks: plug2						

### Did Float Hold:

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

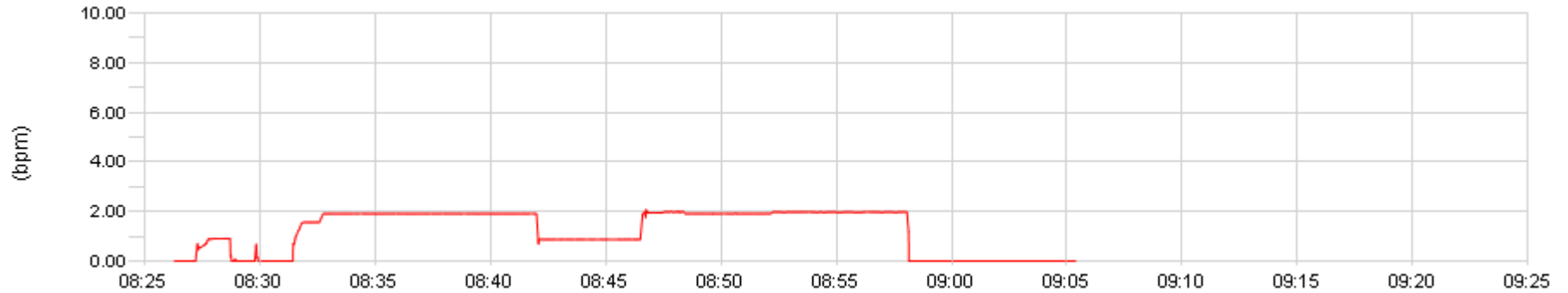
Material Transfer Sheet Number

9022465

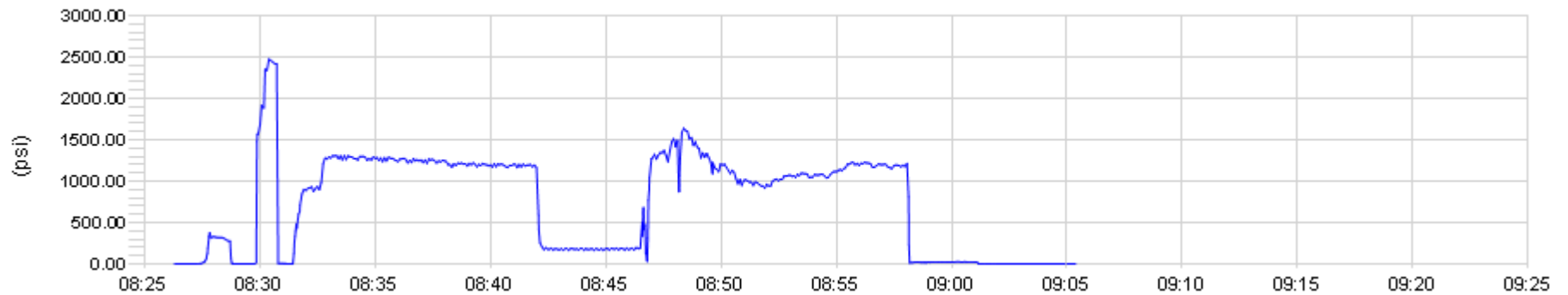


Client	Anadarko Petroleum Corp.	Client Rep	Mr Larry Webb	Supervisor	Andrew Hall
Ticket No.	918439	Well Name	Cantrell Red V 1-13	Unit No.	445052
Location	Sec 1: T2N: R67W	Job Type	Miscellaneous Pumping	Service District	Riverton, Wy
Comments	Pressure test 3000 lbs.; establish circulation; 20 bbls sms; 5 bbls fresh; pump 8bbls @ 15..8; Displacement 17.6 bbls; wash up			Job Date	10/25/2013

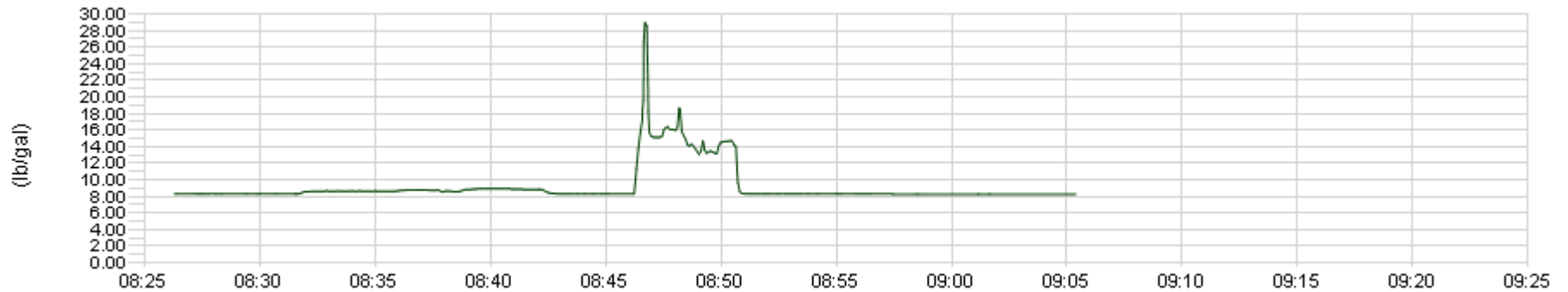
Unit 445052 Rate Total



Unit 445052 Pump Pressure



Unit 445052 Density





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Ticket No.	9184398	Well Name	Cantrell Red V 1-13	Unit No.	445052
Location	Sec 1: T2N: R67W	Job Type	Miscellaneous Pumping	Service District	Riverton, Wy
Comments	Pressure test 2500 lbs.; establish circulation; pump 13.4 bbls @ 15..8; Displacement 9.5 bbls; wash up			Job Date	10/25/2013

