



**Pumping  
Service Report**

**9200705**

Client Name Anadarko Petroleum Corporation	Well Name Williams 25-20	Rig BWS 12	Job Date November 07, 2014	Call Sheet 1050071
Client Representative Socorro Olivas	Surface Well Location NW SE Sec 20: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):	--- @ ---

Open Hole	Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
	10.000	--	0.000	758.000	--	--

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	24.000	---	--	--	--	--	--	0.0	773.0

Tubing	Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
	4.500	11.600	---	--	--	--	--	0.000	7,000.000

**Products**

**Plug 1**

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 190 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 45 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 75

+ 0.5 % of CaCl<sub>2</sub> (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: --

**Wellbore Fluid**

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22



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**Units & Personnel**

<b>Units</b>							
<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>
201025	PICKUP	1 Ton				11/07/2014 08:00	11/07/2014 10:30
740067	BODY JOB	C & A				11/07/2014 08:00	11/07/2014 10:30
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	11/07/2014 08:00	11/07/2014 10:30

**Crew and Bonuses**

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Hansen, Kevin	11/07/2014 08:00	11/07/2014 10:30		
Barden, Sean	11/07/2014 08:00	11/07/2014 10:30		
Bailey, Steven	11/07/2014 08:00	11/07/2014 10:30		
Davila, Israel	11/07/2014 08:00	11/07/2014 10:30		

**Treatment Reports & Remarks**



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Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Nov 07,2014 08:00	Arrive On Location	---	--	--	--	--	0.00
2	Nov 07,2014 08:05	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: Discussed spotting of trucks and job. Filled out JSA						
3	Nov 07,2014 08:20	Rig In	---	--	--	--	--	0.00
4	Nov 07,2014 08:25	STEACS Briefing	---	--	--	--	--	0.00
		Remarks: Discussed job and safety concerns						
5	Nov 07,2014 08:30	Sign-off on Safety	---	--	--	--	--	0.00
		Remarks: Signed our JSA and the rigs JSA						
6	Nov 07,2014 09:14	Start - Fluid	Water	1.50	150.0	--	1.50	1.50
		Remarks: Filled lines for pressure test						
7	Nov 07,2014 09:15	Pressure Test	---	--	3,000.0	--	--	1.50
8	Nov 07,2014 09:16	Pump	Water	2.00	700.0	--	5.00	6.50
		Remarks: Fresh water						
9	Nov 07,2014 09:19	Pump Preflush	Water	2.00	750.0	--	10.00	16.50
		Remarks: Pumped SAPP						
10	Nov 07,2014 09:23	Pump Spacer	Water	2.00	900.0	--	5.00	21.50
		Remarks: Fresh water spacer						
11	Nov 07,2014 09:28	Mix Cement	0:1:0 Type III	2.30	1,200.0	--	45.00	66.50
		Remarks: Pumped @ D-14.8						
12	Nov 07,2014 09:49	Pump Displacement	Water	2.00	1,200.0	--	1.50	68.00
13	Nov 07,2014 09:51	Stop	---	--	--	--	--	68.00
14	Nov 07,2014 09:55	Wash	---	--	--	--	--	68.00
15	Nov 07,2014 10:15	Rig Out	---	--	--	--	--	68.00
16	Nov 07,2014 10:26	Job Complete	---	--	--	--	--	68.00
17	Nov 07,2014 10:28	Pre-Departure Meeting	---	--	--	--	--	68.00
		Remarks: Discussed journey management						
18	Nov 07,2014 10:30	Leave Location	---	--	--	--	--	68.00
		Remarks: Headed to next job						

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  
54908  
54906