



**Pumping  
Service Report**

**9199272**

Client Name Anadarko Petroleum Corporation	Well Name Zabka 19-15	Rig Ecws 22	Job Date November 04,2014	Call Sheet 1049890
Client Representative Mr. Bill Smith	Surface Well Location SW SW Sec 15:T4N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	

**Well Profile**

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)
8.625	24.000	J-55	1,370.0	2,950.0	37.57	8.097	9.625	0.0	590.0
4.500	11.600	J-55	4,960.0	5,350.0	115.20	4.000	5.000	0.0	7,412.0

**Tubing**

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
1.315	1.800	J-55	10,000.000	1.500	1.049	1.900	0.000	1,400.000

**Products**

**Stage 1**

From Depth (ft): 1400  
To Depth (ft): 490

Acids/Blends/Fluids :

Tail: 230 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 54.5 (bbl)  
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50

- + 0.5 % of CaCl2 (Preblend),
- + 0.3 % of CFL-3 (Preblend),
- + 0.3 % of CFR-2 (Preblend),
- + 0.25 lb/sack of Polyflake (Preblend),
- + 0.4 % of CDF-4P (Preblend)

**Fluid & Cement Data**

Expected Cement Top: Depth (ft): 490

**Wellbore Fluid**

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 13, 2014 19:12



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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	201017	PICKUP	1 Ton	11/04/2014 08:00	11/04/2014 11:00
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	11/04/2014 08:00	11/04/2014 11:00
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	11/04/2014 08:00	11/04/2014 11:00

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Maguire, Matthew	11/04/2014 08:00	11/04/2014 11:00		
Hansen, Ted	11/04/2014 08:00	11/04/2014 11:00		
Schimming, Michael	11/04/2014 08:00	11/04/2014 11:00		
Hall, Austin	11/04/2014 08:00	11/04/2014 11:00		
Dunsbergen, Scott	11/04/2014 08:00	11/04/2014 11:00		

**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	Nov 04,2014 07:30	Arrive On Location	---	--	--	--	--	0.00	
2	Nov 04,2014 07:40	Tailgate Meeting	---	--	--	--	--	0.00	
		Remarks: Filled out JSA also.							
3	Nov 04,2014 08:00	Rig In	---	--	--	--	--	0.00	
4	Nov 04,2014 08:50	STEACS Briefing	---	--	--	--	--	0.00	
5	Nov 04,2014 09:00	Sign-off on Safety	---	--	--	--	--	0.00	
6	Nov 04,2014 09:08	Start - Fluid	Water	2.00	550.0	--	1.00	1.00	
		Remarks: Filled lines.							
7	Nov 04,2014 09:10	Pressure Test Lines	---	--	2,000.0	--	--	1.00	
		Remarks: All lines held pressure.							
8	Nov 04,2014 09:11	Establish Circulation	Water	2.00	550.0	--	5.00	6.00	
		Remarks: We had circulation.							
9	Nov 04,2014 09:14	Pump Preflush	Water	2.00	600.0	--	10.00	16.00	
		Remarks: Water + 100# SAPP.							
10	Nov 04,2014 09:19	Pump Spacer	Water	2.00	600.0	--	5.00	21.00	
		Remarks: Fresh water spacer.							
11	Nov 04,2014 09:22	Mix Cement	0:1:0 Type III	2.00	1,100.0	--	54.50	75.50	
		Remarks: 34.6 bbls mix h2o.							
12	Nov 04,2014 09:49	Displace Fluid	Water	2.00	1,000.0	--	1.50	77.00	
13	Nov 04,2014 09:52	Stop	---	--	--	--	--	77.00	
14	Nov 04,2014 10:10	Wash	Water	1.50	100.0	--	20.00	77.00	
15	Nov 04,2014 10:45	Rig Out	---	--	--	--	--	77.00	
16	Nov 04,2014 10:55	Pre-Departure Meeting	---	--	--	--	--	77.00	
17	Nov 04,2014 10:57	Job Complete	---	--	--	--	--	77.00	
18	Nov 04,2014 10:59	Leave Location	---	--	--	--	--	77.00	

### 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  
54855  
54856

### Comments To Service Report

Arrive location, tailgate meeting & JSA, spot trucks, rig-in, STEACS, sign off on safety, fill lines w/ 1 bbl, PT 2000psi, 5 bbls fresh ahead, 10 bbls mud flush (100# SAPP), 5 bbls fresh water spacer, 54.5 bbls slurry @ 14.8 density (34.6 bbls mix h2O), 1.5 bbls displacement, stop, wash up, rig-out, pre departure meeting, leave location safely.