



**Pumping  
Service Report**

**9191820**

Client Name Anadarko Petroleum Corporation	Well Name State 3-16	Rig ECWS 7 or 22	Job Date July 30, 2014	Call Sheet 1044832
Client Representative Bill Smith	Surface Well Location SW NW Sec 16:T1N: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	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	11.600	---	--	--	--	--	--	0.0	8,195.0

**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	4.500	---	--	--	--	--	0.000	1,390.000

**Products**

**Plug 1**

From Depth (ft): 0  
To Depth (ft): 5500  
Plug Type : Abandonment  
Acids/Blends/Fluids :

Plug: 130 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 31 (bbl)  
Water Temperature(°F) = 56 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 73  
+ 0.25 lb/sack of Polyflake (Preblend),  
+ 0.5 % of CaCl<sub>2</sub> (Preblend),  
+ 0.3 % of CFR2 (Preblend),  
+ 0.3 % of CFL3 (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	--	--	Jul 23, 2014 06:40



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**Units & Personnel**

**Units**

<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>
201017	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	07/30/2014 10:00	07/30/2014 14:00
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	07/30/2014 10:00	07/30/2014 14:00
746508	BODY JOB	Baby Bulker				07/30/2014 10:00	07/30/2014 14:00
200918	PICKUP	3/4 Ton				07/30/2014 10:00	07/30/2014 14:00

**Crew and Bonuses**

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Ripka, Robert	07/30/2014 10:00	07/30/2014 14:00		
Young, Craig	07/30/2014 10:00	07/30/2014 14:00		
Daylong, Eric	07/30/2014 10:00	07/30/2014 14:00		
Hansen, Kevin	07/30/2014 10:00	07/30/2014 14:00		
Schroeder, Stephen	07/30/2014 10:00	07/30/2014 14:00		

**Treatment Reports & Remarks**

**Treatment Report**

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	Jul 30, 2014 10:00	Arrive On Location	---	--	--	--	--	0.00
2	Jul 30, 2014 10:05	Tailgate Meeting	---	--	--	--	--	0.00
3	Jul 30, 2014 10:30	Rig In	---	--	--	--	--	0.00
4	Jul 30, 2014 10:55	Safety Meeting	---	--	--	--	--	0.00
5	Jul 30, 2014 11:14	Sign-off on Safety	---	--	--	--	--	0.00
6	Jul 30, 2014 11:16	Pressure Test	---	--	3,000.0	--	--	0.00
7	Jul 30, 2014 11:19	Pump Preflush	Water	2.00	200.0	--	10.00	10.00
8	Jul 30, 2014 11:24	Pump Preflush	Water	3.00	400.0	--	20.00	30.00
		Remarks: + SMS						
9	Jul 30, 2014 11:31	Pump Spacer	Water	1.00	20.0	--	5.00	35.00
10	Jul 30, 2014 11:35	Mix Cement	0:1:0 Type III	2.50	300.0	--	31.00	66.00
		Remarks: 130 SKS						
11	Jul 30, 2014 11:50	Displace Fluid	Water	1.50	60.0	--	9.50	75.50
12	Jul 30, 2014 12:45	Rig Out	---	--	--	--	--	75.50
13	Jul 30, 2014 13:45	Job Complete	---	--	--	--	--	75.50
14	Jul 30, 2014 13:47	Pre-Departure Meeting	---	--	--	--	--	75.50
15	Jul 30, 2014 14:00	Leave Location	---	--	--	--	--	75.50

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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**Treatment Reports & Remarks**

**Material Transfer Sheet Number**

Material Transfer Sheet Number

9776

9775

**Comments To Service Report**

PACKER SET AT 1150 FEET  
TOP PERF HOLES AT 1490 FEET