



**Pumping
Service Report**

9184310

Client Name Anadarko Petroleum Corporation	Well Name Elmer Hergenreder #1	Job Date August 14, 2013	Call Sheet 1027936
Client Representative Mr Dave Donoho	Location NW SW Sec 28:T3N:R68W	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			--		--		--		--		--	
Drill Pipe												
Size		Weight	Grade		Collapse Pressure		Capacity		I.D.	O.D.	Depth From	Depth To
(in)		(lb/ft)			(psi)		(bbl)		(in)	(in)	(ft)	(ft)
4.500		16.600			--		--		--	--	0.000	7,145.000

Products									
Plug 1									
From Depth (ft):									
To Depth (ft):									
Plug Type : N/A									
Acids/Blends/Fluids :									
Lead 1: 170 Sacks of Thermal 35, Density = 15.4 lb/gal, Volume Pumped = 45.7 (bbl)									
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 70									
+ 0.5 % of CFR,									
+ 0.25 % of FMC									

Fluid & Cement Data									
Expected Cement Top: --									
Wellbore Fluid									
Fluid Type	Viscosity (cP)		Density (lbs/gal)		Yield Point (psi)	Temperature (°F)		Recorded@	
Water	--		--		--	--		Aug 12, 2013 13:01	
Water Based Mud	--		10.000		--	--		Aug 14, 2013 00:19	



**Pumping
Service Report**

9184311

Client Name Anadarko Petroleum Corporation	Well Name Elmer Hergenreder #1	Job Date August 14, 2013	Call Sheet 1027936
Client Representative Mr Dave Donoho	Location NW SW Sec 28:T3N:R68W	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			--		--		--		--		--	
Drill Pipe												
Size		Weight	Grade		Collapse Pressure		Capacity		I.D.	O.D.	Depth From	Depth To
(in)		(lb/ft)			(psi)		(bbl)		(in)	(in)	(ft)	(ft)
4.500		16.600			--		--		--	--	0.000	6,575.000

Products									
Plug 1									
From Depth (ft):									
To Depth (ft):									
Plug Type : N/A									
Acids/Blends/Fluids :									
Lead 1: 240 Sacks of Thermal 35, Density = 15.4 lb/gal, Volume Pumped = 64.5 (bbl)									
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75									
+ 0.5 % of CFR,									
+ 0.25 % of FMC									

Fluid & Cement Data									
Expected Cement Top: --									
Wellbore Fluid									
Fluid Type	Viscosity (cP)		Density (lbs/gal)		Yield Point (psi)	Temperature (°F)		Recorded@	
Water	--		--		--	--		Aug 12, 2013 13:01	
Water Based Mud	--		10.000		--	--		Aug 14, 2013 08:36	



Pumping Service Report

9184281

Client Name Anadarko Petroleum Corporation	Well Name Elmer Hergenreder #1	Job Date August 14, 2013	Call Sheet 1027977
Client Representative Mr Dave Donoho	Location NW SW Sec 28:T3N:R68W	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	--	408.000	4,007.000	--	--

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	J-55	1,370.0	2,950.0	25.98	8.097	9.625	0.0	408.0

Drill Pipe	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	16.600	E	10,390.000	56.980	3.826	6.250	0.000	4,007.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Lead 1: 400 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 82 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60
+ 0.5 % of CFR-2,
+ 1 % of CaCl₂

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Aug 12, 2013 13:01
Water Based Mud	--	--	--	--	Aug 14, 2013 14:38