



Pumping Service Report

9185825

Client Name Anadarko Petroleum Corporation	Well Name Helgoth Heirs Unit #1	Job Date November 27, 2013	Call Sheet 1033380
Client Representative Mr Larry Webb	Location SW SW Sec 24:T2N:R66W	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 (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)
4.500	11.600	J-55	4,960.0	5,350.0	4.66	4.000	5.000	0.0	300.0
8.625	24.000	J-55	1,370.0	2,950.0	15.48	8.097	9.625	0.0	243.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	--	1.350	1.995	2.910	0.000	350.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Lead 1: 150 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 38.5 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 70

+ 2 % of CaCl₂,

+ 0.25 lb/sack of Polyflake

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Nov 06, 2013 14:32



**Pumping
Service Report**

9185919

Client Name Anadarko Petroleum Corporation	Well Name Helgoth Heirs Unit #1	Job Date November 26, 2013	Call Sheet 1033356
Client Representative Mr Larry Webb	Location SW SW Sec 24:T2N:R66W	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 (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)
4.500	10.500	---	--	--	--	--	--	--	--

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	---	--	--	--	--	0.000	1,040.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Lead 1: 100 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 26 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 45 , Slurry Temperature(°F) = 65

+ 2 % of CaCl₂,

+ 0.25 lb/sack of Polyflake

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Nov 06, 2013 14:32