



Pumping Service Report

9185807

Client Name Anadarko Petroleum Corporation	Well Name HSR Boulder Federal 13-18A	Job Date November 06, 2013	Call Sheet 1032499
Client Representative Laura Welman	Location NW SE Sec 18:T3N: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	104.44	4.000	5.000	0.0	6,720.0

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	8,100.000	25.600	1.995	2.910	0.000	6,621.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Lead 1-60 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 18.3 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60
+ 20 % of Silica Flour,
+ 3 % of Gel,
+ 0.1 % of SMS,
+ 0.4 % of CFR-2,
+ 0.4 % of CFL-3

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	Nov 04, 2013 08:13

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	6,621.000	Client