



**Pumping
Service Report**

9185921

Client Name Anadarko Petroleum Corporation	Well Name Kern #1	Job Date November 27, 2013	Call Sheet 1033402
Client Representative Mr Rodrigo Vierra	Location SW SW Sec 4: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): --- @ --

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	---	--	--	--	--	--	--	--

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	427.000

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 = 26.5 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 50 , 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 14, 2013 11:07



**Pumping
Service Report**

9185821

Client Name Anadarko Petroleum Corporation	Well Name Kern #1	Job Date November 25, 2013	Call Sheet 1033287
Client Representative Mr Luis Morales	Location SW SW Sec 4: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	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)
8.625	28.000	J-55	1,880.0	3,400.0	22.23	8.017	9.625	0.0	356.0

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	4.700	J-55	8,100.000	6.800	1.995	2.910	0.000	1,760.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Lead 1: 515 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 133 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 80

+ 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 14, 2013 11:07



**Pumping
Service Report**

9185818

Client Name Anadarko Petroleum Corporation	Well Name Kern #1	Job Date November 23, 2013	Call Sheet 1033206
Client Representative Mr Luis Morales	Location SW SW Sec 4: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	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	J-55	4,960.0	5,350.0	62.82	4.000	5.000	0.0	4,042.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.700	4.700	---	---	---	---	---	0.000	4,042.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Lead 1: 765 Sacks of 0-1-0 G, Density = 15.6 lb/gal, Volume Pumped = 156.68 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 70

+ 0.5 % of CFR,

+ 0.25 % of FMC,

+ 0.5 % of LWA,

+ 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 14, 2013 11:07

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	4,042.000	Client