



**Pumping
Service Report**

9193334

Client Name Anadarko Petroleum Corporation	Well Name State 22-16	Rig Ensign Drilling Inc. 328	Job Date August 01,2014	Call Sheet 1044947
Client Representative Rigo Vierra	Surface Well Location NE SW 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): 135.00 @ --

Bottom Hole Circulating Temperature (°F): 120.00 @ --

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	0.000	---	--	--	--	--	--	0.0	849.0
4.500	11.600	---	--	--	--	--	--	0.0	1,500.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
1.660	2.330	---	--	--	--	--	0.000	1,500.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 165 Sacks of 0:1:0 Type III, Density = 15.8 lb/gal, Volume Pumped = 39 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 78

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jul 23, 2014 19:10



**Pumping
Service Report**

9193334

Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201168	PICKUP	1 Ton	449093	TRAILER	Utility Trailer	08/01/2014 14:30	08/01/2014 18:20
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	08/01/2014 14:30	08/01/2014 18:20
746506	BODY JOB	Baby Bulker				08/01/2014 14:30	08/01/2014 18:20

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Klosterman, Austin	08/01/2014 14:30	08/01/2014 18:20		
Lopez, Armando	08/01/2014 14:30	08/01/2014 18:20		
Durham, Adrian	08/01/2014 14:30	08/01/2014 18:20		
Melgarejo Herrera, Eduardo	08/01/2014 14:30	08/01/2014 18:20		
Davila, Israel	08/01/2014 14:30	08/01/2014 18:20		
Hansen, Kevin	08/01/2014 14:30	08/01/2014 18:20		

Treatment Reports & Remarks

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Aug 01, 2014 14:30	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Aug 01, 2014 14:40	Tailgate Meeting		0.00	0.0	0.0	0.00	0.00
3	Aug 01, 2014 14:50	Rig In		0.00	0.0	0.0	0.00	0.00
4	Aug 01, 2014 15:30	Safety Meeting		0.00	0.0	0.0	0.00	0.00
5	Aug 01, 2014 15:40	Sign-off on Safety		0.00	0.0	0.0	0.00	0.00
6	Aug 01, 2014 16:02	Establish Circulation	Water	--	--	--	--	0.00
		Remarks: Filling lines.						
7	Aug 01, 2014 16:03	Pressure Test Lines	Water	0.00	4,500.0	0.0	0.00	0.00
8	Aug 01, 2014 16:05	Pump	Water	4.00	2,440.0	0.0	50.00	50.00
		Remarks: Pumped 50bbls of 10#mud						
9	Aug 01, 2014 16:22	Pump Preflush	Water	1.70	487.0	0.0	5.00	55.00
		Remarks: Fresh ahead						
10	Aug 01, 2014 16:26	Pump Preflush	Water	3.00	1,100.0	0.0	20.00	75.00
		Remarks: SMS						
11	Aug 01, 2014 16:33	Pump Out Lines	Water	1.00	226.0	0.0	5.00	80.00
		Remarks: Fresh spacer						
12	Aug 01, 2014 16:39	Pump	0-1-0 G	2.00	900.0	0.0	39.00	119.00
		Remarks: Mix up and pump 165 sacks @14.8#, Yield 1.33, WR 6.31. Type III cement						
13	Aug 01, 2014 17:02	Displace Fluid	Water	2.00	900.0	0.0	3.00	122.00
14	Aug 01, 2014 17:15	Rig Out		0.00	0.0	0.0	0.00	0.00
15	Aug 01, 2014 17:55	Job Complete		0.00	0.0	0.0	0.00	0.00
16	Aug 01, 2014 18:00	Pre-Departure Meeting		0.00	0.0	0.0	0.00	0.00
17	Aug 01, 2014 18:20	Leave Location		0.00	0.0	0.0	0.00	0.00