



## Pumping Service Report

9206680

Client Name Anadarko Petroleum Corporation	Well Name Peaks 33 - 2	Rig Basic 1524	Job Date August 13,2015	Call Sheet 1059943
Client Representative Mr. Nick Lang	Surface Well Location SE SW Sec 2:T1N:R68W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Lopez, Armando (29064)

### 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)
8.500	20.000	930.000	1,503.000	--	--

### 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	59.23	8.097	9.625	0.0	930.0
4.500	11.600	P-110	7,560.0	10,690.0	99.47	4.000	5.000	0.0	6,400.0

### Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
1.660	0.000		--	--	--	--	0.000	1,503.000

### Products

#### Plug 1

From Depth (ft): 830

To Depth (ft): 1500

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 170 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 41.3 (bbl)

Water Temperature(°F) = 75 , Bulk Temperature(°F) = 75 , Slurry Temperature(°F) = 90

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.5 % of CaCl<sub>2</sub> (Preblend),

+ 0.4 % of CDF-4P (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 830

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Apr 08, 2015 17:07



## Pumping Service Report

9206680

Units & Personnel							
Units							
<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
449087	TRAILER	Utility Trailer	200925	PICKUP	1 Ton	08/13/2015 08:30	08/13/2015 13:00
445046	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	08/13/2015 08:30	08/13/2015 13:00
446200	TRAILER	Bulker	746200	TRACTOR	Tandem - Tractor	08/13/2015 08:30	08/13/2015 13:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Lopez, Armando (29064)	08/13/2015 08:30	08/13/2015 13:00					
Dunsbergen, Scott (29737)	08/13/2015 08:30	08/13/2015 13:00					
Johnson, Jakob (30073)	08/13/2015 08:30	08/13/2015 13:00					



## Pumping Service Report

9206680

### 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 13,2015 08:30	Arrive On Location		--	--	--	--	0.00
2	Aug 13,2015 08:40	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Aug 13,2015 09:40	Rig in Complete		--	--	--	--	0.00
4	Aug 13,2015 10:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Aug 13,2015 10:22	Start - Fluid	Water	1.50	500.0	--	1.00	1.00
Remarks: Fill lines								
6	Aug 13,2015 10:23	Pressure Test Start		--	2,500.0	--	--	0.00
7	Aug 13,2015 10:24	Pressure Test Complete		--	--	--	--	0.00
8	Aug 13,2015 10:27	Pump Spacer	Water	1.50	400.0	--	5.00	6.00
9	Aug 13,2015 10:32	Pump Spacer	Water	1.50	400.0	--	20.00	26.00
Remarks: SMS								
10	Aug 13,2015 10:47	Pump Spacer	Water	1.70	500.0	--	5.00	31.00
11	Aug 13,2015 10:49	Mix Cement	0:1:0 Type III	1.70	850.0	--	41.30	72.30
Remarks: Pumped 170 sacks Dnesity 14.8 Yield 1.33 Water 6.31.Weight of cement with scale 14.7								
12	Aug 13,2015 11:14	Displace Fluid	Water	1.70	980.0	--	0.50	72.80
13	Aug 13,2015 11:15	Stop		--	--	--	--	0.00
14	Aug 13,2015 11:20	Wash		--	--	--	--	0.00
15	Aug 13,2015 12:00	Rig Out		--	--	--	--	0.00
16	Aug 13,2015 12:40	Job Complete		--	--	--	--	0.00
17	Aug 13,2015 12:50	Pre-Departure Meeting		--	--	--	--	0.00
18	Aug 13,2015 13:00	Leave Location		--	--	--	--	0.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Water

Volume (bbl) : 73

Temperature (°F) : 85

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

#### Material Transfer Sheet Number

Material Transfer Sheet Number

65430

65431