



## Pumping Service Report

9206229

Client Name Anadarko Petroleum Corporation	Well Name Tallgrass 9-17	Rig Basic 1549	Job Date June 17,2015	Call Sheet 1058476
Client Representative Mr. Bill Smith	Surface Well Location SE SE Sec 17:T1N:R68W	Down Hole Well Location	Job Type Cement Misc.	Lead Supervisor Johnson, Quintin (23945)

### 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)
8.625	--	1,500.000	974.000	--	--

### 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	60.31	8.097	9.625	0.0	947.0
4.500	11.600	J-55	4,960.0	5,350.0	-23.31	4.000	5.000	1,500.0	0.0

### 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	2.330	J-55	8,490.000	2.770	1.380	1.880	0.000	1,500.000

### Products

#### Plug 1

From Depth (ft): 1500

To Depth (ft): 842

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 145 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 34.6 (bbl)

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

- + 2 % of CaCl<sub>2</sub> (Preblend),
- + 0.3 % of CFR-2 (Preblend),
- + 0.3 % of CFL-3 (Preblend),
- + 0.4 % of CDF-4P (Preblend),
- + 0.5 % of CaCl<sub>2</sub> (Prehydrate)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 842

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 15, 2015 18:10



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### 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>
201168	PICKUP	1 Ton	449086	TRAILER	Utility Trailer	06/17/2015 12:05	06/17/2015 15:50
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	06/17/2015 12:05	06/17/2015 15:50
746508	BODY JOB	Baby Bulker				06/17/2015 12:05	06/17/2015 15:50
201253	PICKUP	1/2 Ton				06/17/2015 12:05	06/17/2015 15:50

### Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Johnson, Quintin (23945)	06/17/2015 12:05	06/17/2015 15:50		
Hansen, Ted (29055)	06/17/2015 12:05	06/17/2015 15:50		
Melgarejo Herrera, Eduardo (26606)	06/17/2015 12:05	06/17/2015 15:50		
Hardwick, Waco (23203)	06/17/2015 12:05	06/17/2015 15:50		

### Treatment Reports & Remarks



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### 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	Jun 17, 2015 12:05	Arrive On Location		--	--	--	--	0.00
		Remarks: arrived on time						
2	Jun 17, 2015 12:10	Tailgate Meeting		--	--	--	--	0.00
		Remarks: talked about spotting trucks						
3	Jun 17, 2015 12:20	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: talked about site hazards and how to mitigate them						
4	Jun 17, 2015 12:30	Rig In		--	--	--	--	0.00
		Remarks: rigged in our trucks and 3rd party water						
5	Jun 17, 2015 12:45	Rig in Complete		--	--	--	--	0.00
		Remarks: gather for safety meeting						
6	Jun 17, 2015 12:50	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
7	Jun 17, 2015 12:51	Sign-off on Safety		--	--	--	--	0.00
		Remarks: signed their and our JSA						
8	Jun 17, 2015 13:12	Pressure Test Start	Water	1.80	400.0	--	0.50	0.50
		Remarks: filled our lines						
9	Jun 17, 2015 13:14	Pressure Test	Water	0.00	1,500.0	--	0.00	0.50
		Remarks: pressured our lines and they held good						
10	Jun 17, 2015 13:15	Pressure Test Complete		--	--	--	--	0.50
		Remarks: opened up to pump job						
11	Jun 17, 2015 13:16	Pump Preflush	Water	2.00	600.0	--	20.00	20.50
		Remarks: pumped SMS						
12	Jun 17, 2015 13:26	Pump Preflush	Water	2.00	600.0	--	5.00	25.50
		Remarks: fresh water ahead						
13	Jun 17, 2015 13:29	Mix Cement	0:1:0 Type III	1.60	800.0	--	34.60	60.10
		Remarks: mixed slurry at 14.8						
14	Jun 17, 2015 14:13	Pump Displacement	Water	1.60	600.0	--	1.50	61.60
		Remarks: cleared out lines						
15	Jun 17, 2015 14:20	Stop		--	--	--	--	61.60
		Remarks: rigged off for wash up						
16	Jun 17, 2015 14:30	Wash	Water	2.00	150.0	--	15.00	76.60
		Remarks: washed mix side and did run backs						
17	Jun 17, 2015 15:20	Rig Out		--	--	--	--	76.60
		Remarks: rig out our trucks and 3rd party water						
18	Jun 17, 2015 15:40	Job Complete		--	--	--	--	76.60
		Remarks: do complete walk around						
19	Jun 17, 2015 15:50	Leave Location		--	--	--	--	76.60
		Remarks: go to wash bay and back to Sanjel yard						