



# Cementing Service Report

9209028

Client Name Anadarko Petroleum Corporation	Well Name Davis State 24 - 16	Rig Basic 1549	Job Date November 10,2015	Call Sheet 1062377
Client Representative Mr. Bill Smith	Surface Well Location SE NE Sec 16:T3N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Schneider, Patrick (24093)

## 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)
9.000	--	766.000	7,270.000	--	--

## 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	48.78	8.097	9.625	0.0	766.0
4.500	11.600	J-55	4,960.0	5,350.0	112.99	4.000	5.000	0.0	7,270.0

## 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	2.580	1.380	1.880	0.000	1,395.000

## Products

### Stage 1

From Depth (ft): 612

To Depth (ft): 1395

Acids/Blends/Fluids :

Tail: 195 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 46.2 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 56 , Slurry Temperature(°F) = 81

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

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

## Fluid & Cement Data

Expected Cement Top: Depth (ft): 612

### 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>
449083	TRAILER	Utility Trailer	201191	PICKUP	1 Ton	11/10/2015 11:30	11/10/2015 13:45
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	11/10/2015 11:30	11/10/2015 13:45
746506	BODY JOB	Baby Bulker				11/10/2015 11:30	11/10/2015 13:45
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>				<u>Second Start Shift</u>	<u>Second End Shift</u>
Schneider, Patrick (24093)	11/10/2015 11:30	11/10/2015 13:45					
Meisner, Jeremy (27681)	11/10/2015 11:30	11/10/2015 13:45					
Melgarejo Herrera, Eduardo (26606)	11/10/2015 11:30	11/10/2015 13:45					
Treatment Reports & Remarks							

### 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	Nov 10,2015 11:30	Arrive On Location		--	--	--	--	0.00
2	Nov 10,2015 11:35	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
3	Nov 10,2015 11:45	Rig In		--	--	--	--	0.00
4	Nov 10,2015 11:55	Rig in Complete		--	--	--	--	0.00
5	Nov 10,2015 12:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
6	Nov 10,2015 12:16	Start - Fluid	Water	2.00	--	--	1.00	1.00
		Remarks: filled lines						
7	Nov 10,2015 12:18	Pressure Test Start	Water	--	2,500.0	--	--	1.00
8	Nov 10,2015 12:20	Pressure Test Complete	Water	--	0.0	--	--	1.00
		Remarks: good pressure test						
9	Nov 10,2015 12:20	Establish Circulation	Water	2.00	800.0	--	5.00	6.00
		Remarks: fresh water						
10	Nov 10,2015 12:23	Pump Preflush	Water	2.00	800.0	--	10.00	16.00
		Remarks: well seal						
11	Nov 10,2015 12:27	Pump Spacer	Water	2.00	850.0	--	5.00	21.00
		Remarks: fresh water						
12	Nov 10,2015 12:30	Mix Cement	0:1:0 Type III	2.00	1,800.0	--	46.20	67.20
		Remarks: 195 sks plug cement @ 14.8 ppg yield = 1.33 h2o req = 6.31 total h2o = 30 bbl						
13	Nov 10,2015 12:54	Displace Fluid	Water	2.00	1,900.0	--	1.50	68.70
		Remarks: displaced to balance						
14	Nov 10,2015 12:55	Balance Plug	Water	--	0.0	--	--	68.70
15	Nov 10,2015 13:00	Tailgate Meeting		--	--	--	--	68.70
		Remarks: revisited JSA						
16	Nov 10,2015 13:05	Rig Out		--	--	--	--	68.70
17	Nov 10,2015 13:10	Wash	Water	--	--	--	--	68.70
		Remarks: washed pumps and lines						
18	Nov 10,2015 13:30	Job Complete		--	--	--	--	68.70
19	Nov 10,2015 13:40	Pre-Departure Meeting		--	--	--	--	68.70
20	Nov 10,2015 13:45	Leave Location		--	--	--	--	68.70

Did Float Hold: Not Applicable

Fluid Returns : Not Expected

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes