



Cementing Service Report

9209249

Client Name Anadarko Petroleum Corporation	Well Name State 30-16	Rig Basic 1524	Job Date <u>December 31, 2015</u>	Call Sheet 1063531
Client Representative Mr. Nick Lang	Surface Well Location Sec 17:T1N:R68W	Down Hole Well Location	Job Type Bradenhead Squeeze	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)
8.000	--	1,003.000	1,406.000	--	--

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	63.88	8.097	9.625	0.0	1,003.0
4.500	11.600	J-55	4,960.0	5,350.0	21.85	4.000	5.000	0.0	1,406.0

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	H-40	6,180.000	2.600	1.380	1.880	0.000	<u>1,406.000</u>

Products

Stage 1

From Depth (ft): 653.6

To Depth (ft): 1406

Acids/Blends/Fluids:

Tall: 135 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 32 (bbl)

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

+ 0.5 % of CaCl₂ (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend),

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

+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

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



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Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449086	TRAILER	Utility Trailer	201025	PICKUP	1 Ton	12/31/2015 07:30	12/31/2015 11:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	12/31/2015 07:30	12/31/2015 11:00
746508	BODY JOB	Baby Bulker				12/31/2015 07:30	12/31/2015 11:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Johnson, Quintin (23945)	12/31/2015 07:30	12/31/2015 11:00		
Scott, Derek (29603)	12/31/2015 07:30	12/31/2015 11:00		
Faircloth, Branden (29706)	12/31/2015 07:30	12/31/2015 11:00		

Treatment Reports & Remarks



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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	Dec 31, 2015 07:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived ahead of schedule						
2	Dec 31, 2015 07:40	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Talked about site hazards and how to mitigate them, spotted trucks and rigged in						
3	Dec 31, 2015 08:00	Rig in Complete		--	--	--	--	0.00
		Remarks: Rigged to the rig floor, have safety meeting then finish rigging in well head						
4	Dec 31, 2015 09:05	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Talked about the job scope and safety concerns						
5	Dec 31, 2015 09:39	Pressure Test Start	Water	1.00	100.0	--	2.00	2.00
		Remarks: Filled our lines for pressure test						
6	Dec 31, 2015 09:40	Pressure Test	Water	0.00	2,000.0	--	0.00	2.00
		Remarks: Pressured lines and they held good						
7	Dec 31, 2015 09:42	Pressure Test Complete		--	--	--	--	2.00
		Remarks: Opened up to pump job						
8	Dec 31, 2015 09:43	Pump Preflush	Water	2.00	600.0	--	20.00	22.00
		Remarks: Pumped SMS ahead						
9	Dec 31, 2015 09:47	Pump Spacer	Water	2.00	530.0	--	10.00	32.00
		Remarks: Pumped fresh between SMS and Slurry						
10	Dec 31, 2015 09:52	Mix Cement	0:1:0 Type III	2.00	1,100.0	--	36.00	68.00
		Remarks: Mixed slurry at 14.8, Yield at 1.33 and Water Requirement at 6.32						
11	Dec 31, 2015 10:07	Pump Displacement	Water	2.00	1,200.0	--	1.00	69.00
		Remarks: Pumped tubing clear						
12	Dec 31, 2015 10:08	Stop		--	--	--	--	69.00
		Remarks: Stopped and rigged off for wash up						
13	Dec 31, 2015 10:15	Wash	Water	2.00	150.0	--	20.00	89.00
		Remarks: Washed up mix and did run backs						
14	Dec 31, 2015 10:45	Rig Out		--	--	--	--	89.00
		Remarks: Rigged out our trucks and 3rd party water						
15	Dec 31, 2015 10:55	Job Complete		--	--	--	--	89.00
		Remarks: Check pins and trailers do complete walk around						
16	Dec 31, 2015 11:00	Leave Location		--	--	--	--	89.00
		Remarks: Go back to Sanjel yard						

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



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Material Transfer Sheet Number

Material Transfer Sheet Number

63160