



Pumping Service Report

9204191

Client Name Anadarko Petroleum Corporation	Well Name Commons 18-19	Rig Basic 1524	Job Date April 23,2015	Call Sheet 1057345
Client Representative Mr. Nick Lang	Surface Well Location NW NE Sec 19:T1N:R68W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Price, Ryan (25840)

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	--	901.000	1,388.000	--	--

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	24.000		--	--	--	--	--	0.0	901.0
4.500	11.600		--	--	--	--	--	0.0	1,390.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
1.315	2.330		--	--	--	--	0.000	1,388.000

Products

Plug 1

From Depth (ft): 1388

To Depth (ft): 629

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 140 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 33 (bbl)

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

+ 0.3 % of CFL-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend),

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

+ 0.5 % of CaCl₂ (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 629

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							
<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>
201173	PICKUP	1 Ton	449093	TRAILER	Utility Trailer	04/23/2015 08:30	04/23/2015 11:30
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	04/23/2015 08:30	04/23/2015 11:30
746508	BODY JOB	Baby Bulker				04/23/2015 08:30	04/23/2015 11:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Price, Ryan (25840)	04/23/2015 08:30	04/23/2015 11:30					
Spirek, Matthew (26921)	04/23/2015 08:30	04/23/2015 11:30					
Young, Craig (27496)	04/23/2015 08:30	04/23/2015 11:30					
Yates, William (29930)	04/23/2015 08:30	04/23/2015 11:30					
Betts, Dallas (30257)	04/23/2015 08:30	04/23/2015 11:30					



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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	Apr 23,2015 08:30	Arrive On Location		--	--	--	--	0.00
2	Apr 23,2015 08:35	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Apr 23,2015 09:15	Rig in Complete		--	--	--	--	0.00
4	Apr 23,2015 09:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Apr 23,2015 09:46	Pressure Test Start		--	2,300.0	--	--	0.00
6	Apr 23,2015 09:47	Pressure Test Complete		--	--	--	--	0.00
7	Apr 23,2015 09:48	Establish Circulation	Water	2.00	600.0	--	5.00	5.00
8	Apr 23,2015 09:51	Pump Preflush	Water	2.00	600.0	--	20.00	25.00
Remarks: pump sms well seal								
9	Apr 23,2015 10:00	Pump Spacer	Water	2.00	600.0	--	5.00	30.00
10	Apr 23,2015 10:03	Mix Cement	0:1:0 Type III	2.00	900.0	--	33.00	63.00
11	Apr 23,2015 10:19	Pump Displacement	Water	2.00	900.0	--	1.00	64.00
12	Apr 23,2015 10:20	Stop		--	--	--	--	64.00
13	Apr 23,2015 10:25	Wash		--	--	--	--	64.00
14	Apr 23,2015 10:50	Rig Out		--	--	--	--	64.00
15	Apr 23,2015 11:20	Job Complete		--	--	--	--	64.00
16	Apr 23,2015 11:25	Pre-Departure Meeting		--	--	--	--	64.00
17	Apr 23,2015 11:30	Leave Location		--	--	--	--	64.00

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

Material Transfer Sheet Number

Material Transfer Sheet Number

57366