

Client Name Anadarko Petroleum Corporation	Well Name Frank 14 - 31	Rig ECWS 21	Job Date January 10, 2015	Call Sheet 1053186
Client Representative Mr. Daniel Olmeda	Surface Well Location SE SW Sec 31:T4N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Laeger, Kacey (25046)

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)
9.500	--	0.000	1,500.000	--	--

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)
4.500	11.600	J-55	4,960.0	5,350.0	23.31	4.000	5.000	0.0	1,500.0
8.625	24.000	J-55	1,370.0	2,950.0	49.10	8.097	9.625	0.0	771.0

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): 671

To Depth (ft): 1500

Plug Type : N/A

Acids/Blends/Fluids :

Tail: 270 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 65 (bbl)

Water Temperature(°F) = 40 , Bulk Temperature(°F) = 30 , Slurry Temperature(°F) = 40

+ 1 % 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:	Depth (ft): 671				
Wellbore Fluid					
<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>
Water	--	8.400	--	--	Dec 21, 2014 12:59



Pumping Service Report

9201430

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>
201025	PICKUP	1 Ton				01/10/2015 09:00	01/10/2015 12:35
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/10/2015 09:00	01/10/2015 12:35
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	01/10/2015 09:00	01/10/2015 12:35
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>		<u>End Shift</u>		<u>Second Start Shift</u>		<u>Second End Shift</u>
Laeger, Kacey (25046)	01/10/2015 09:00		01/10/2015 12:35				
Young, Craig (27496)	01/10/2015 09:00		01/10/2015 12:35				
Daniel, David Darnell (29841)	01/10/2015 09:00		01/10/2015 12:35				

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	Jan 10,2015 09:00	Arrive On Location		--	--	--	--	0.00
2	Jan 10,2015 09:05	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Held						
3	Jan 10,2015 09:30	Rig in Complete		--	--	--	--	0.00
4	Jan 10,2015 10:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Held						
5	Jan 10,2015 10:46	Pressure Test Start	Water	1.00	20.0	--	1.00	1.00
		Remarks: Filled lines						
6	Jan 10,2015 10:48	Pressure Test Complete		--	3,000.0	--	--	1.00
		Remarks: Lines held good						
7	Jan 10,2015 10:49	Pump Spacer	Water	2.00	600.0	--	5.00	6.00
		Remarks: Good circulation						
8	Jan 10,2015 10:52	Pump Preflush	Water	2.00	600.0	--	10.00	16.00
		Remarks: 10bbbls mud flush						
9	Jan 10,2015 10:56	Pump Spacer	Water	2.00	150.0	--	5.00	21.00
		Remarks: Fresh water spacer						
10	Jan 10,2015 10:59	Mix Cement	0:1:0 Type III	2.00	900.0	--	64.00	85.00
		Remarks: 270skts of 0:1:0 TypeIII at 14.8 lb/gal						
11	Jan 10,2015 11:40	Displace Fluid	Water	2.00	900.0	--	1.00	86.00
12	Jan 10,2015 11:41	Finish Displacement		--	--	--	--	86.00
		Remarks: Displace to clear lines						
13	Jan 10,2015 11:45	Wash		--	--	--	20.00	86.00
		Remarks: Wash pump unit						
14	Jan 10,2015 12:00	Tailgate Meeting		--	--	--	--	86.00
		Remarks: Revisit JSA						
15	Jan 10,2015 12:10	Rig Out		--	--	--	--	86.00
16	Jan 10,2015 12:25	Job Complete		--	--	--	--	86.00
17	Jan 10,2015 12:25	Pre-Departure Meeting		--	--	--	--	86.00
		Remarks: Held						
18	Jan 10,2015 12:35	Leave Location		--	--	--	--	86.00

Did Float Hold: Not Applicable
 Fluid Returns : No
 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
 55019
 55020