



Pumping Service Report

9199340

Client Name Anadarko Petroleum Corporation	Well Name McCormick 24 - 1	Rig ECWS 22	Job Date February 05,2015	Call Sheet 1054777
Client Representative Mr. Bill Smith	Surface Well Location NE SE Sec 1:T3N:R67W	Down Hole Well Location	Job Type Cement Misc.	Lead Supervisor

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	--	773.000	7,430.000	--	--

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	49.23	8.097	9.625	0.0	773.0
4.500	11.600	J-55	4,960.0	5,350.0	115.48	4.000	5.000	0.0	7,430.0

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	2.760	1.380	1.880	0.000	1,490.000

Products

Plug 1

From Depth (ft): 566

To Depth (ft): 1490

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 210 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 50 (bbl)

Water Temperature(°F) = 52 , Bulk Temperature(°F) = 45 , Slurry Temperature(°F) = 66

+ 0.25 lb/sack of Polyflake (Preblend),

+ 0.5 % of CaCl₂ (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.4 % of CDF-4P (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 566

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 05, 2015 15:14



Pumping Service Report

9199340

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>
449095	TRAILER	Utility Trailer	201173	PICKUP	1 Ton	02/05/2015 10:30	02/05/2015 13:00
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	02/05/2015 10:30	02/05/2015 13:00
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	02/05/2015 10:30	02/05/2015 13:00
200918	PICKUP	3/4 Ton				02/05/2015 10:30	02/05/2015 13:00

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)	02/05/2015 10:30	02/05/2015 13:00		
Young, Craig (27496)	02/05/2015 10:30	02/05/2015 13:00		
Yates, William (29930)	02/05/2015 10:30	02/05/2015 13:00		
Meade, James (29964)	02/05/2015 10:30	02/05/2015 13:00		
Schroeder, Stephen (25442)	02/05/2015 10:30	02/05/2015 13:00		

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	Feb 05,2015 10:30	Arrive On Location		--	--	--	--	0.00
2	Feb 05,2015 10:35	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
3	Feb 05,2015 10:50	Rig In		--	--	--	--	0.00
4	Feb 05,2015 11:05	Rig in Complete		--	--	--	--	0.00
5	Feb 05,2015 11:10	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
6	Feb 05,2015 11:30	Start - Fluid	Water	1.00	--	--	1.00	1.00
		Remarks: filled lines						
7	Feb 05,2015 11:31	Pressure Test Start	Water	--	2,500.0	--	--	1.00
8	Feb 05,2015 11:33	Pressure Test Complete	Water	--	0.0	--	--	1.00
		Remarks: good pressure test						
9	Feb 05,2015 11:33	Pump Preflush	Water	2.00	700.0	--	5.00	6.00
		Remarks: fresh water preflush						
10	Feb 05,2015 11:35	Pump Preflush	Water	2.00	700.0	--	20.00	26.00
		Remarks: well seal						
11	Feb 05,2015 11:46	Pump Spacer	Water	1.00	100.0	--	5.00	31.00
		Remarks: fresh water spacer						
12	Feb 05,2015 11:50	Mix Cement	0:1:0 Type III	2.00	1,200.0	--	50.00	81.00
		Remarks: 210 sks tail cement @ 14.8 ppg yield = 1.33 h2o req = 6.31						
13	Feb 05,2015 12:16	Displace Fluid	Water	2.00	1,200.0	--	1.50	82.50
		Remarks: displaced to balance						
14	Feb 05,2015 12:17	Balance Plug	Water	--	0.0	--	--	82.50
15	Feb 05,2015 12:20	Tailgate Meeting		--	--	--	--	82.50
		Remarks: revisited JSA						
16	Feb 05,2015 12:25	Rig Out		--	--	--	--	82.50
17	Feb 05,2015 12:30	Wash	Water	--	--	--	--	82.50
		Remarks: washed pumps and lines						
18	Feb 05,2015 12:45	Job Complete		--	--	--	--	82.50
19	Feb 05,2015 12:50	Pre-Departure Meeting		--	--	--	--	82.50
20	Feb 05,2015 13:00	Leave Location		--	--	--	--	82.50

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Preflush

Volume (bbl) : 7

Temperature (°F) : 50

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes



Treatment Reports & Remarks

Material Transfer Sheet Number

Material Transfer Sheet Number

55699

55700