



Pumping Service Report

9190148

Client Name Anadarko Petroleum Corporation	Well Name Moser Farm UP 41 - 9 4	Rig Leed 723	Job Date May 28,2015	Call Sheet 1058027
Client Representative Mr. Nate Windholz	Surface Well Location NE NE Sec 9:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	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):	--- @ --

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)
3.500	0.000		--	--	--	--	--	0.0	6,860.0
3.500	9.200		--	--	--	--	--	0.0	4,847.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.063	3.250	J-55	7,690.000	20.430	1.751	2.325	0.000	6,860.000
2.063	3.250	J-55	7,690.000	14.440	1.751	2.325	0.000	4,847.000

Products

Plug 1

From Depth (ft): 6860
To Depth (ft): 6271.6
Plug Type : Abandonment
Acids/Blends/Fluids :
Plug: 20 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 5.4 (bbl)
Water Temperature(°F) = 61 , Bulk Temperature(°F) = 61 , Slurry Temperature(°F) = 61
+ 0.3 % of CFR-2 (Preblend),
+ 0.3 % of ASM-3 (Preblend)

Plug 2

From Depth (ft): 4847
To Depth (ft): 4062.8
Plug Type : Abandonment
Acids/Blends/Fluids :
Plug: 35 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 7.2 (bbl)
Water Temperature(°F) = 61 , Bulk Temperature(°F) = 61 , Slurry Temperature(°F) = 61
+ 0.5 % of CFR-2 (Preblend),
+ 0.25 % of FMC (Preblend),
+ 0.5 % of LWA (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: --					
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	--	--	--	--	Oct 29, 2014 06:51



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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>	
201025	PICKUP	1 Ton				05/28/2015 10:45	05/28/2015 14:30	
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	05/28/2015 10:45	05/28/2015 14:30	
446145	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	05/28/2015 10:45	05/28/2015 14:30	
Crew and Bonuses								
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>				
Johnson, Quintin (23945)	05/28/2015 10:45	05/28/2015 14:30						
Dunsbergen, Scott (29737)	05/28/2015 10:45	05/28/2015 14:30						
Betts, Dallas (30257)	05/28/2015 10:45	05/28/2015 14:30						
Treatment Reports & Remarks								
Treatment Report								
<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	May 28,2015 10:45	Arrive On Location		--	--	--	--	0.00
		Remarks: arrived ahead of schedule						
2	May 28,2015 10:55	Tailgate Meeting		--	--	--	--	0.00
		Remarks: talked about spotting trucks						
3	May 28,2015 11:05	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: talked about site hazards and how to mitigate them						
4	May 28,2015 11:25	Rig In		--	--	--	--	0.00
		Remarks: rigged in out trucks and 3rd party water						
5	May 28,2015 11:40	Rig in Complete		--	--	--	--	0.00
		Remarks: gather for safety meeting						
6	May 28,2015 11:45	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
7	May 28,2015 11:46	Sign-off on Safety		--	--	--	--	0.00
		Remarks: signed our jsa and theirs						
8	May 28,2015 12:01	Pressure Test Start	Water	1.00	500.0	--	0.50	0.50
		Remarks: pumped to fill lines						
9	May 28,2015 12:03	Pressure Test	Water	0.00	2,500.0	--	0.00	0.50
		Remarks: pressured lines and they held good						
10	May 28,2015 12:05	Pressure Test Complete	Water	0.00	0.0	0.0	0.00	0.50
		Remarks: opened up to pump job						
11	May 28,2015 12:07	Establish Circulation	Water	2.50	1,100.0	--	5.00	5.50
		Remarks: got good circulation						
12	May 28,2015 12:10	Mix Cement	Thermal 35	2.00	1,100.0	--	5.40	10.90
		Remarks: mixed slurry at 15.8 yield at 1.51 and water at 6.23						
13	May 28,2015 12:14	Pump Displacement	Water	2.00	1,100.0	--	17.50	28.40
		Remarks: displaced to a balance						
14	May 28,2015 12:25	Stop		--	--	--	--	28.40
		Remarks: stop and wait for next plug						
Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen						Print Date:	May 29, 2015	
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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)
15	May 28,2015 13:05	Pressure Test	Water	0.00	2,500.0	0.0	0.00	28.40
		Remarks: pressured lines and they held						
16	May 28,2015 13:10	Establish Circulation	Water	0.75	190.0	--	1.50	29.90
		Remarks: got good circulation						
17	May 28,2015 13:17	Mix Cement	0-1-0 G	2.00	600.0	--	7.20	37.10
		Remarks: mixed slurry at 15.8 yield at 1.15 and water requirement at 4.98						
18	May 28,2015 13:23	Pump Displacement	Water	2.00	720.0	--	11.50	48.60
		Remarks: displaced to a balance						
19	May 28,2015 13:28	Stop		--	--	--	--	48.60
		Remarks: stop for wash up						
20	May 28,2015 13:35	Wash	Water	2.00	150.0	--	15.00	63.60
		Remarks: washed mix and did run backs						
21	May 28,2015 14:14	Rig Out		--	--	--	--	63.60
		Remarks: rigged out our trucks						
22	May 28,2015 14:25	Job Complete		--	--	--	--	63.60
		Remarks: do complete walk around						
23	May 28,2015 14:35	Leave Location		--	--	--	--	63.60
		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

Material Transfer Sheet Number

Material Transfer Sheet Number

57927



Pumping Service Report

9204334

Client Name Anadarko Petroleum Corporation	Well Name Moser Farm UP 41 - 9 4	Rig Leed 723	Job Date May 29,2015	Call Sheet 1058036
Client Representative Mr. Nate Windholz	Surface Well Location NE NE Sec 9:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Hansen, Kevin (27592)

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): --- @ --

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)
3.500	9.200		--	--	--	--	--	0.0	1,330.0

Products

Plug 1

From Depth (ft): 170

To Depth (ft): 1330

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 100 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 23.7 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 70

+ 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: Depth (ft): 170

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 29, 2014 06:51

Attachment & Tools

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	3.500	Sanjel



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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>
201114	PICKUP	3/4 Ton				05/29/2015 08:30	05/29/2015 11:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	05/29/2015 08:30	05/29/2015 11:30
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	05/29/2015 08:30	05/29/2015 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>	
Hansen, Kevin (27592)	05/29/2015 08:30	05/29/2015 11:30					
Spirek, Matthew (26921)	05/29/2015 08:30	05/29/2015 11:30					
Dunsbergen, Scott (29737)	05/29/2015 08:30	05/29/2015 11:30					
Leon, Justin (30152)	05/29/2015 08:30	05/29/2015 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	May 29,2015 08:30	Arrive On Location		--	--	--	--	0.00
2	May 29,2015 08:40	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Discussed spotting trucks and filled out JSA						
3	May 29,2015 09:00	Rig in Complete		--	--	--	--	0.00
4	May 29,2015 09:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Discussed job and safety concerns with rig crew and signed JSA						
5	May 29,2015 09:49	Pressure Test Start	Water	1.00	400.0	--	2.00	2.00
		Remarks: Filled lines for pressure test						
6	May 29,2015 09:53	Pressure Test Complete		--	2,000.0	--	--	2.00
		Remarks: Pressure test good						
7	May 29,2015 09:54	Establish Circulation	Water	1.50	400.0	--	6.00	8.00
		Remarks: Pumped water to do injection test						
8	May 29,2015 10:03	Mix Cement	0:1:0 Type III	0.90	600.0	--	23.70	31.70
		Remarks: Pumped @ D-14.8, Y-1.33, WR-6.31						
9	May 29,2015 10:10	Mix Cement	0:1:0 Type III	--	--	--	--	31.70
		Remarks: Weigh slurry to conform weight with mud scale						
10	May 29,2015 10:30	Drop Plug		--	--	--	--	31.70
11	May 29,2015 10:37	Displace Fluid	Water	0.90	600.0	--	1.50	33.20
12	May 29,2015 10:40	Job Complete		--	--	--	--	33.20
13	May 29,2015 10:45	Wash		--	--	--	--	33.20
14	May 29,2015 11:15	Rig Out		--	--	--	--	33.20
15	May 29,2015 11:25	Pre-Departure Meeting		--	--	--	--	33.20
		Remarks: Discussed journey management						
16	May 29,2015 11:30	Leave Location		--	--	--	--	33.20

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

57972

57973