



Cementing Service Report

9211385

Client Name Anadarko Petroleum Corporation	Well Name MCPEEK 5 - 10	Rig Leed 721	Job Date March 31, 2016	Call Sheet 1065838
Client Representative Mr. Nate Windholz	Surface Well Location SW NW Sec 10:T2N:R66W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Abandonment Plugs	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): --- @ --

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	121.70	4.000	5.000	0.0	7,830.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	8,100.000	30.270	1.995	2.910	0.000	7,830.000

Products

Plug 1

From Depth (ft): 6617

To Depth (ft): 7830

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 70 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 18.8 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 65

+ 0.3 % of ASM-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend)

Plug 2

From Depth (ft): 4201

To Depth (ft): 5259

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 80 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 16.4 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 65

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of ASM-5 (Preblend),

+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 4201

Wellbore Fluid

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



9211385

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>
201352	PICKUP	1 Ton				03/31/2016 10:00	03/31/2016 14:30
740067	BODY JOB	C & A				03/31/2016 10:00	03/31/2016 14:30
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	03/31/2016 10:00	03/31/2016 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>
Laeger, Kacey (25046)	03/31/2016 10:00	03/31/2016 14:30		
Devine, Richard (29733)	03/31/2016 10:00	03/31/2016 14:30		
Daylong, Eric (28076)	03/31/2016 10:00	03/31/2016 14:30		

Treatment Reports & Remarks

Treatment Reports & Remarks									
Treatment Report									
Event #	Event Time	Event Description	Fluid Type	Rate	Tubular Pressure	Annular Pressure	Stage Volume	Total Volume	
				(bbl/min)	(psi)	(psi)	(bbl)	(bbl)	
1	Mar 31,2016 10:00	Arrive On Location		--	--	--	--	0.00	
2	Mar 31,2016 10:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
		Remarks: Held							
3	Mar 31,2016 10:30	Rig in Complete		--	--	--	--	0.00	
4	Mar 31,2016 10:45	Crew Briefing (Pre Job)		--	--	--	--	0.00	
		Remarks: Held							
5	Mar 31,2016 12:05	Pressure Test Start	Water	1.00	100.0	--	1.00	1.00	
		Remarks: Filled lines							
6	Mar 31,2016 12:07	Pressure Test Complete	Water	--	2,500.0	--	--	1.00	
		Remarks: Lines held							
7	Mar 31,2016 12:09	Establish Circulation	Water	1.80	100.0	--	3.00	4.00	
		Remarks: Good circulation							
8	Mar 31,2016 12:11	Mix Cement	Thermal 35	1.80	100.0	--	18.80	22.80	
		Remarks: 70sks							
9	Mar 31,2016 12:22	Displace Fluid	Water	2.50	150.0	--	25.00	47.80	
		Remarks: Displace to balance plug							
10	Mar 31,2016 12:33	Finish Displacement		--	--	--	--	47.80	
11	Mar 31,2016 12:40	Wait On Instructions		--	--	--	--	47.80	
		Remarks: Wait on rig to pull tubing for plug number 2							
12	Mar 31,2016 13:21	Pressure Test	Water	--	2,600.0	--	--	0.00	
		Remarks: Lines held good							
13	Mar 31,2016 13:22	Establish Circulation	Water	2.00	50.0	--	3.00	3.00	
		Remarks: Good circulation							
14	Mar 31,2016 13:25	Mix Cement	0-1-0 G	2.00	60.0	--	17.50	20.50	
		Remarks: 70sks							
15	Mar 31,2016 13:33	Displace Fluid	Water	2.00	60.0	--	15.50	36.00	
		Remarks: Displace to balance plug							
16	Mar 31,2016 13:47	Finish Displacement		--	--	--	--	36.00	
17	Mar 31,2016 13:50	Wash		--	--	--	--	36.00	
		Remarks: Wash pump unit							
18	Mar 31,2016 14:05	Rig Out		--	--	--	--	47.80	
19	Mar 31,2016 14:20	Job Complete		--	--	--	--	47.80	
20	Mar 31,2016 14:30	Leave Location		--	--	--	--	47.80	
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							



Treatment Reports & Remarks
Material Transfer Sheet Number
<u>Material Transfer Sheet Number</u>
67147



Cementing Service Report

9211603

Client Name Anadarko Petroleum Corporation	Well Name MCPEEK 5 - 10	Rig Leed 721	Job Date April 01, 2016	Call Sheet 1065855
Client Representative Mr. Nate Windholz	Surface Well Location SW NW Sec 10:T2N:R66W	Down Hole Well Location Sec 0:T0N:R0W	Job Type Abandonment Plugs	Lead Supervisor Svoboda, Miloslav (28226)

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	20.000	836.000	1,370.000	--	--

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	53.24	8.097	9.625	0.0	836.0
4.500	11.600	J-55	4,960.0	5,350.0	1.59	4.000	5.000	1,370.0	1,472.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	P-105	15,460.000	5.690	1.995	3.063	0.000	1,472.000

Products

Plug 1

From Depth (ft): 490

To Depth (ft): 1472

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 240 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 56.8 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 45 , Slurry Temperature(°F) = 55

+ 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 LCL-7 (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 490

Wellbore Fluid

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



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>
449093	TRAILER	Utility Trailer	201150	PICKUP	1 Ton	04/01/2016 10:30	04/01/2016 15:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	04/01/2016 10:30	04/01/2016 15:30
446167	TRAILER	Bulker	746167	TRACTOR	Tandem - Tractor	04/01/2016 10:30	04/01/2016 15:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>			<u>Second Start Shift</u>	<u>Second End Shift</u>	
Svoboda, Miloslav (28226)	04/01/2016 08:30	04/01/2016 17:30					
Hansen, Ted (29055)	04/01/2016 08:30	04/01/2016 17:30					
Sandoval, Steven (25728)	04/01/2016 08:30	04/01/2016 17:30					

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 01,2016 10:30	Arrive On Location		--	--	--	--	0.00
	Remarks: sing in, chain up							
2	Apr 01,2016 10:50	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Apr 01,2016 11:20	Rig in Complete		--	--	--	--	0.00
4	Apr 01,2016 11:50	Crew Briefing (Pre Job)		--	--	--	--	0.00
	Remarks: JSA							
5	Apr 01,2016 12:56	Pressure Test Start	Water	2.00	3,000.0	--	1.00	1.00
6	Apr 01,2016 12:58	Pressure Test Complete		--	--	--	--	1.00
	Remarks: pressure held							
7	Apr 01,2016 12:59	Establish Circulation	Water	3.50	450.0	--	2.00	3.00
	Remarks: fresh, good returns							
8	Apr 01,2016 13:00	Pump Preflush	Water	3.50	500.0	--	10.00	13.00
	Remarks: SAPP							
9	Apr 01,2016 13:03	Pump Spacer	Water	3.50	500.0	--	20.00	33.00
	Remarks: fresh							
10	Apr 01,2016 13:10	Mix Cement	0:1:0 Type III	3.50	500.0	--	56.80	89.80
11	Apr 01,2016 13:28	Displace Fluid	Water	2.00	150.0	--	1.00	90.80
12	Apr 01,2016 13:30	Stop		--	--	--	--	90.80
	Remarks: open return							
13	Apr 01,2016 13:45	Wash	Water	--	--	--	--	90.80
	Remarks: wash pump							
14	Apr 01,2016 14:15	Rig Out		--	--	--	--	90.80
15	Apr 01,2016 14:30	Job Complete		--	--	--	--	90.80
16	Apr 01,2016 14:45	Pre-Departure Meeting		--	--	--	--	90.80
	Remarks: AAR							
17	Apr 01,2016 15:00	Leave Location		--	--	--	--	90.80
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								
67162								