



Pumping Service Report

9204180

Client Name Anadarko Petroleum Corporation	Well Name HSR - Fred Mayer 6-15	Rig Leed 723	Job Date March 17,2015	Call Sheet 1056696
Client Representative Mr. Nate Windholz	Surface Well Location SE NW Sec 15:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	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):	--- @ --

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)
4.500	11.600		--	--	--	--	--	0.0	6,811.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700		--	--	--	--	0.000	6,806.000

Products

Plug 1

From Depth (ft): 6374
To Depth (ft): 6806
Plug Type : Abandonment
Acids/Blends/Fluids :
Tail: 25 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 6.7 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50
+ 0.5 % of CFR-2 (Preblend),
+ 0.25 % of FMC (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6374

Wellbore Fluid

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

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Bridge Plug	6,811.000	Third Party



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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>
201273	PICKUP	3/4 Ton				03/17/2015 09:00	03/17/2015 13:00
740082	BODY JOB	C & A				03/17/2015 09:00	03/17/2015 13:00
746502	BODY JOB	Baby Bulker				03/17/2015 09:00	03/17/2015 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>
Price, Ryan (25840)	03/17/2015 09:00	03/17/2015 13:00		
Joyner, Barlen (28603)	03/17/2015 09:00	03/17/2015 13:00		
McMartin, Granite (22138)	03/17/2015 09:00	03/17/2015 13:00		
Crane, Troy (29924)	03/17/2015 09:00	03/17/2015 13:00		

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	Mar 17,2015 09:00	Arrive On Location		--	--	--	--	0.00
2	Mar 17,2015 09:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 17,2015 09:40	Rig in Complete		--	--	--	--	0.00
4	Mar 17,2015 09:47	Wait On Instructions		--	--	--	--	0.00
5	Mar 17,2015 11:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Mar 17,2015 11:56	Pressure Test Start		--	3,300.0	--	--	0.00
7	Mar 17,2015 11:58	Pressure Test Complete		--	--	--	--	0.00
8	Mar 17,2015 12:00	Establish Circulation	Water	3.00	300.0	--	5.00	5.00
9	Mar 17,2015 12:04	Mix Cement	Thermal 35	3.00	300.0	--	6.70	11.70
10	Mar 17,2015 12:07	Pump Displacement	Water	3.00	500.0	--	24.00	35.70
11	Mar 17,2015 12:17	Stop		--	--	--	--	35.70
12	Mar 17,2015 12:25	Wash		--	--	--	--	35.70
13	Mar 17,2015 12:40	Rig Out		--	--	--	--	35.70
14	Mar 17,2015 12:50	Job Complete		--	--	--	--	35.70
15	Mar 17,2015 13:00	Leave Location		--	--	--	--	35.70

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

57715



Pumping Service Report

9201391

Client Name Anadarko Petroleum Corporation	Well Name HSR - Fred Mayer 6-15	Rig Leed 723	Job Date March 17,2015	Call Sheet 1056715
Client Representative Mr. Nate Windholz	Surface Well Location SE NW Sec 15:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Lopez, Armando (29064)

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)
4.500	11.600		--	--	--	--	--	0.0	5,000.0

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700		--	--	--	--	0.000	3,950.000

Products

Plug 1

From Depth (ft): 3797

To Depth (ft): 4780

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 460 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 96 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

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

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	3,950.000	Third Party



Pumping Service Report

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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>
449093	TRAILER	Utility Trailer	201017	PICKUP	1 Ton	03/17/2015 13:00	03/17/2015 19:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	03/17/2015 13:00	03/17/2015 19:00
446167	TRAILER	Bulker	746167	TRACTOR	Tandem - Tractor	03/17/2015 13:00	03/17/2015 19:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Lopez, Armando (29064)	03/17/2015 13:00	03/17/2015 19:00					
Joyner, Barlen (28603)	03/17/2015 13:00	03/17/2015 19:00					
Hansen, Ted (29055)	03/17/2015 13:00	03/17/2015 19:00					
Decenick, Scott (30083)	03/17/2015 13:00	03/17/2015 19:00					
Hilt, Brandon (30128)	03/17/2015 13:00	03/17/2015 19:00					



Pumping Service Report

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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	Mar 17,2015 13:00	Arrive On Location		--	--	--	--	0.00
2	Mar 17,2015 13:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 17,2015 15:00	Rig in Complete		--	--	--	--	0.00
4	Mar 17,2015 16:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 17,2015 16:25	Start - Fluid	Water	2.00	700.0	--	2.00	2.00
		Remarks: Fill lines						
6	Mar 17,2015 16:25	Pressure Test Start		--	--	--	--	0.00
7	Mar 17,2015 16:26	Pressure Test Complete		--	--	--	--	0.00
8	Mar 17,2015 16:30	Pump Spacer	Water	3.00	1,000.0	--	20.00	22.00
		Remarks: Well seal						
9	Mar 17,2015 16:37	Pump Spacer	Water	3.00	1,100.0	--	10.00	32.00
10	Mar 17,2015 16:45	Mix Cement	0-1-0 G	3.00	900.0	--	96.00	128.00
		Remarks: Pumped 460 sacks Density 15.8 Yield 1.15 Water 4.98						
11	Mar 17,2015 17:39	Displace Fluid	Water	3.00	1,200.0	--	12.00	140.00
		Remarks: Left 3 bbls of cement on top of retainer						
12	Mar 17,2015 17:45	Stop		--	--	--	--	140.00
13	Mar 17,2015 17:50	Wash		--	--	--	--	0.00
14	Mar 17,2015 18:30	Rig Out		--	--	--	--	0.00
15	Mar 17,2015 18:45	Job Complete		--	--	--	--	0.00
16	Mar 17,2015 18:55	Pre-Departure Meeting		--	--	--	--	0.00
17	Mar 17,2015 19:00	Leave Location		--	--	--	--	0.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Mud

Volume (bbl) : 140

Temperature (°F) : 70

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

57707



Pumping Service Report

9203829

Client Name Anadarko Petroleum Corporation	Well Name HSR - Fred Mayer 6-15	Rig Leed 723	Job Date March 18,2015	Call Sheet 1056732
Client Representative Mr. Nate Windholz	Surface Well Location SE NW Sec 15:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Maguire, Matthew (26325)

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	--	620.000	950.000	--	--

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	39.49	8.097	9.625	0.0	620.0
4.500	11.600	J-55	4,960.0	5,350.0	97.23	4.000	5.000	950.0	7,206.0

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	4.130	1.995	2.910	0.000	1,068.000

Products

Plug 1

From Depth (ft): 1068

To Depth (ft): 239

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 220 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 52.1 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50

+ 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): 239

Wellbore Fluid

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



Pumping Service Report

9203829

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>
449087	TRAILER	Utility Trailer	201173	PICKUP	1 Ton	03/18/2015 09:30	03/18/2015 13:00
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	03/18/2015 09:30	03/18/2015 13:00
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	03/18/2015 09:30	03/18/2015 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>		
Maguire, Matthew (26325)	03/18/2015 09:30	03/18/2015 13:00					
Meisner, Jeremy (27681)	03/18/2015 09:30	03/18/2015 13:00					
Young, Craig (27496)	03/18/2015 09:30	03/18/2015 13:00					
Vitera, John (29843)	03/18/2015 09:30	03/18/2015 13:00					



Pumping Service Report

9203829

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	Mar 18,2015 09:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Signed in at company dog house and checked in with company rep Mr. Nate Windholz.						
2	Mar 18,2015 09:40	Tailgate Meeting		--	--	--	--	0.00
		Remarks: Filled out JSA.						
3	Mar 18,2015 09:50	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Mar 18,2015 10:35	Rig in Complete		--	--	--	--	0.00
5	Mar 18,2015 10:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Mar 18,2015 10:45	STEACS Briefing		--	--	--	--	0.00
7	Mar 18,2015 10:55	Sign-off on Safety		--	--	--	--	0.00
8	Mar 18,2015 10:59	Start - Fluid	Water	1.00	43.0	--	1.00	1.00
		Remarks: Filled lines.						
9	Mar 18,2015 11:00	Pressure Test Start	Water	--	2,000.0	--	--	1.00
10	Mar 18,2015 11:01	Pressure Test Complete	Water	--	2,000.0	--	--	1.00
		Remarks: All lines held pressure.						
11	Mar 18,2015 11:03	Pump Preflush	Water	3.00	165.0	--	10.00	11.00
		Remarks: Water + 100lbs SAPP.						
12	Mar 18,2015 11:07	Pump Spacer	Water	3.00	165.0	--	20.00	31.00
		Remarks: Fresh water spacer.						
13	Mar 18,2015 11:14	Mix Cement	0:1:0 Type III	3.50	435.0	--	52.10	83.10
		Remarks: WR=6.31,						
14	Mar 18,2015 11:32	Displace Fluid	Water	2.00	165.0	--	1.00	84.10
15	Mar 18,2015 11:33	Stop		--	--	--	--	84.10
16	Mar 18,2015 11:40	Wash	Water	1.50	100.0	--	20.00	84.10
17	Mar 18,2015 12:10	Rig Out		--	--	--	--	84.10
		Remarks: Revisit JSA.						
18	Mar 18,2015 12:25	Pre-Departure Meeting		--	--	--	--	84.10
19	Mar 18,2015 12:27	Job Complete		--	--	--	--	84.10
20	Mar 18,2015 12:30	Leave Location		--	--	--	--	84.10
		Remarks: Revisit JSA, leave location safely.						

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

57721

57722