



## Pumping Service Report

9203758

Client Name Anadarko Petroleum Corporation	Well Name HSR - Fred Mayer 3-15A	Rig Concord Well Servicing 1	Job Date March 17,2015	Call Sheet 1056694
Client Representative Mr. Sam Sloan	Surface Well Location NE NW Sec 15:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Schneider, Patrick (24093)

### 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	J-55	4,960.0	5,350.0	106.00	4.000	5.000	0.0	6,820.0

### 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	J-55	8,100.000	26.370	1.995	2.910	0.000	6,820.000

### Products

#### Plug 1

From Depth (ft): 6388

To Depth (ft): 6820

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) = 55 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of ASM-3 (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 4388

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Mar 16, 2015 15:08

### Attachment & Tools

#### Down Hole Tools

Tool Type	Depth (ft)	Supplier
Bridge Plug	4,820.000	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>
201274	PICKUP	3/4 Ton				03/17/2015 08:30	03/17/2015 13:00
740004	BODY JOB	C & A				03/17/2015 08:30	03/17/2015 13:00
746506	BODY JOB	Baby Bulker				03/17/2015 08:30	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>			
Schneider, Patrick (24093)	03/17/2015 08:30	03/17/2015 12:00					
Joyner, Barlen (28603)	03/17/2015 08:30	03/17/2015 12:00					
Davila, Israel (28152)	03/17/2015 08:30	03/17/2015 12:00					
Johnson, Jakob (30073)	03/17/2015 08:30	03/17/2015 12:00					



## 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 08:30	Arrive On Location		--	--	--	--	0.00
2	Mar 17,2015 08:35	Wait on Client (non Sanjel)		--	--	--	--	0.00
		Remarks: waited for rig crew to run casing						
3	Mar 17,2015 09:00	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
4	Mar 17,2015 09:20	Rig In		--	--	--	--	0.00
5	Mar 17,2015 09:35	Rig in Complete		--	--	--	--	0.00
6	Mar 17,2015 10:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
7	Mar 17,2015 11:09	Start - Fluid	Water	1.00	--	--	1.00	1.00
		Remarks: filled lines						
8	Mar 17,2015 11:11	Pressure Test Start	Water	--	2,500.0	--	--	1.00
9	Mar 17,2015 11:13	Pressure Test Complete	Water	--	0.0	--	--	1.00
		Remarks: good pressure test						
10	Mar 17,2015 11:13	Pump Preflush	Water	2.00	450.0	--	5.00	6.00
		Remarks: fresh water preflush						
11	Mar 17,2015 11:17	Batch Mix	Thermal 35	--	--	--	--	6.00
		Remarks: 25 sks to 15.8 ppg yield = 1.51 h2o req = 6.23						
12	Mar 17,2015 11:51	Pump	Thermal 35	1.00	200.0	--	6.70	12.70
13	Mar 17,2015 12:00	Displace Fluid	Water	2.00	225.0	--	24.00	36.70
		Remarks: displaced to balance						
14	Mar 17,2015 12:12	Balance Plug	Water	--	0.0	--	--	36.70
15	Mar 17,2015 12:15	Tailgate Meeting		--	--	--	--	36.70
		Remarks: revisited JSA						
16	Mar 17,2015 12:20	Rig Out		--	--	--	--	36.70
17	Mar 17,2015 12:30	Wash	Water	--	--	--	--	36.70
		Remarks: washed pump and lines						
18	Mar 17,2015 12:45	Job Complete		--	--	--	--	36.70
19	Mar 17,2015 12:50	Pre-Departure Meeting		--	--	--	--	36.70
20	Mar 17,2015 13:00	Leave Location		--	--	--	--	36.70

Did Float Hold: No  
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

57711



## Pumping Service Report

9204160

Client Name Anadarko Petroleum Corporation	Well Name HSR - Fred Mayer 3-15A	Rig Concord Well Servicing 1	Job Date March 18,2015	Call Sheet 1056738
Client Representative Mr. Sam Sloan	Surface Well Location NE NW Sec 15:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Doran, Benjamin (27933)

### 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)
10.000	--	626.000	7,240.000	--	--

### 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		--	--	--	--	--	10.0	626.0
4.500	11.600		--	--	--	--	--	10.0	7,240.0

### 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	15.210	1.995	2.910	0.000	3,934.000

### Products

#### Plug 1

From Depth (ft): 4400

To Depth (ft): 3721

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 270 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 55.3 (bbl)

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

+ 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: Depth (ft): 3721

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Mar 16, 2015 15:08

### Attachment & Tools

#### Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	3,934.000	Third Party

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

Print Date: March 24, 2015

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## 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>
201025	PICKUP	1 Ton				03/18/2015 12:00	03/18/2015 15:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	03/18/2015 12:00	03/18/2015 15:00
446145	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	03/18/2015 12:00	03/18/2015 15:00

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Doran, Benjamin (27933)	03/18/2015 12:00	03/18/2015 15:00		
Leue, David (28684)	03/18/2015 12:00	03/18/2015 15:00		
Pyfer, Kevin (29802)	03/18/2015 12:00	03/18/2015 15:00		

### 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 18,2015 12:00	Arrive On Location		--	--	--	--	0.00
2	Mar 18,2015 12:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 18,2015 12:20	Rig in Complete		--	--	--	--	0.00
4	Mar 18,2015 12:25	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 18,2015 12:36	Pressure Test Start		2.00	400.0	--	5.00	5.00
		Remarks: Fill Lines						
6	Mar 18,2015 12:40	Pressure Test Complete	Water	--	3,000.0	--	--	5.00
		Remarks: All Lines Held Pressure						
7	Mar 18,2015 12:41	Pump Preflush	Water	2.00	1,000.0	--	20.00	25.00
		Remarks: 20 BBLS SMS						
8	Mar 18,2015 12:50	Pump Spacer	Water	2.00	660.0	--	5.00	30.00
9	Mar 18,2015 12:52	Mix Cement	0-1-0 G	2.00	500.0	--	55.30	85.30
		Remarks: Mix/Pump 270 Sacks @ 15.8 PPG, 1.15 Yield, 4.98 Water Req, 95.4 Sack Weight.						
10	Mar 18,2015 13:21	Displace Fluid	Water	2.00	55.0	--	12.20	97.50
11	Mar 18,2015 13:50	Rig Out		--	--	--	--	97.50
12	Mar 18,2015 14:40	Job Complete		--	--	--	--	97.50
13	Mar 18,2015 15:00	Leave Location		--	--	--	--	97.50

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	
<u>Material Transfer Sheet Number</u>	
57723	
57725	



## Pumping Service Report

9204182

Client Name Anadarko Petroleum Corporation	Well Name HSR - Fred Mayer 3-15A	Rig Concord Well Servicing 1	Job Date March 19,2015	Call Sheet 1056765
Client Representative Mr. Sam Sloan	Surface Well Location NE 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):	--- @ --

### Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
10.000	--	626.000	850.000	--	--

### 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		--	--	--	--	--	0.0	626.0
4.500	11.600		--	--	--	--	--	850.0	950.0

### 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		--	--	--	--	0.000	942.000

### Products

#### Plug 1

From Depth (ft): 320

To Depth (ft): 942

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 180 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 43 (bbl)

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

+ 0.5 % of CaCl<sub>2</sub> (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 320

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Mar 16, 2015 15:08



## Pumping Service Report

9204182

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201273	PICKUP	3/4 Ton				03/19/2015 12:00	03/19/2015 14:30
740082	BODY JOB	C & A				03/19/2015 12:00	03/19/2015 14:30
446075	TRAILER	Bulker	746075	TRACTOR	Tandem - Tractor	03/19/2015 12:00	03/19/2015 14:30
Crew and Bonuses							
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift			
Price, Ryan (25840)	03/19/2015 12:00	03/19/2015 14:30					
McMartin, Granite (22138)	03/19/2015 12:00	03/19/2015 14:30					
Crane, Troy (29924)	03/19/2015 12:00	03/19/2015 14:30					

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	Mar 19,2015 12:00	Arrive On Location		--	--	--	--	0.00
2	Mar 19,2015 12:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 19,2015 12:25	Rig in Complete		--	--	--	--	0.00
4	Mar 19,2015 12:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 19,2015 12:47	Pressure Test Start		--	2,000.0	--	--	0.00
6	Mar 19,2015 12:49	Pressure Test Complete		--	--	--	--	0.00
7	Mar 19,2015 12:50	Pump Preflush	Water	4.00	300.0	--	10.00	10.00
		Remarks: pump SAPP						
8	Mar 19,2015 12:53	Pump Spacer	Water	4.00	300.0	--	10.00	20.00
9	Mar 19,2015 12:56	Mix Cement	0:1:0 Type III	4.00	300.0	--	43.00	63.00
10	Mar 19,2015 13:13	Pump Displacement	Water	3.00	150.0	--	1.50	64.50
11	Mar 19,2015 13:15	Stop		--	--	--	--	64.50
12	Mar 19,2015 13:25	Wash		--	--	--	--	64.50
13	Mar 19,2015 13:45	Rig Out		--	--	--	--	64.50
14	Mar 19,2015 14:15	Job Complete		--	--	--	--	64.50
15	Mar 19,2015 14:20	Pre-Departure Meeting		--	--	--	--	64.50
16	Mar 19,2015 14:30	Leave Location		--	--	--	--	64.50
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								
57763								