



9207893

Client Name Anadarko Petroleum Corporation	Well Name HSR Redmond 12-21	Rig Ensign Drilling Inc. 350	Job Date October 12,2015	Call Sheet 1061528
Client Representative Mr. Rigo Cintora	Surface Well Location NW SW Sec 21:T3N:R67W	Down Hole Well Location	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)
8.500	--	--	--	--	--

**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	37.13	8.097	9.625	0.0	583.0
4.500	11.600	J-55	4,960.0	5,350.0	112.51	4.000	5.000	0.0	7,239.0

**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	26.250	1.995	2.910	0.000	6,790.000

**Products****Plug 1**

From Depth (ft): 6358

To Depth (ft): 6790

Plug Type : Well Stability

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) = 60 , Slurry Temperature(°F) = 65

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of ASM-3 (Preblend)

**Plug 2**

From Depth (ft): 3523

To Depth (ft): 4230

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 165 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 34 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 65 , 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)



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**Fluid & Cement Data**

Expected Cement Top: Depth (ft): 6358

**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	--	8.340	--	--	Jun 07, 2015 22:11

**Attachment & Tools****Down Hole Tools**

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Cement Retainer	3,859.000	Third Party

**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>
201173	PICKUP	1 Ton				10/12/2015 07:00	10/12/2015 14:25
740018-1	BODY JOB	C & A				10/12/2015 07:00	10/12/2015 14:25
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	10/12/2015 07:00	10/12/2015 14:25

**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)	10/12/2015 05:00	10/12/2015 18:29		
Yates, William (29930)	10/12/2015 05:00	10/12/2015 18:29		
Faircloth, Branden (29706)	10/12/2015 05:00	10/12/2015 18:29		

**Treatment Reports & Remarks**



# Cementing 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	Oct 12, 2015 07:10	Arrive On Location		--	--	--	--	0.00
		Remarks: sing in at rig trailer						
2	Oct 12, 2015 07:15	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: tailgate meeting						
3	Oct 12, 2015 07:55	Rig in Complete		--	--	--	--	0.00
		Remarks: rig in to tubing						
4	Oct 12, 2015 08:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: JSA with rig crew, co-man						
5	Oct 12, 2015 08:25	Pressure Test Start	Water	2.00	2,800.0	--	2.00	0.00
6	Oct 12, 2015 08:27	Pressure Test Complete		--	--	--	--	0.00
		Remarks: pressure held						
7	Oct 12, 2015 08:28	Pump Spacer	Water	2.50	400.0	--	5.00	5.00
		Remarks: fresh water						
8	Oct 12, 2015 08:34	Mix Cement	Thermal 35	3.00	900.0	--	6.70	11.70
		Remarks: mixed & pumped away						
9	Oct 12, 2015 08:41	Pump Displacement	Water	3.00	900.0	--	23.00	34.70
10	Oct 12, 2015 08:49	Balance Plug		--	--	--	--	34.70
11	Oct 12, 2015 08:51	Stop		--	--	--	--	34.70
12	Oct 12, 2015 08:55	Wash	Water	--	--	--	--	34.70
		Remarks: wash up C&A						
13	Oct 12, 2015 09:10	Wait On Instructions		--	--	--	--	34.70
		Remarks: wireline, rig tripping in & out						
14	Oct 12, 2015 12:05	Pressure Test Lines	Water	2.00	3,000.0	--	2.00	36.70
15	Oct 12, 2015 12:08	Pump Spacer	Water	3.00	1,100.0	--	5.00	41.70
		Remarks: fresh water						
16	Oct 12, 2015 12:11	Pump Preflush	Water	3.00	1,200.0	--	20.00	61.70
		Remarks: SMS						
17	Oct 12, 2015 12:20	Pump Spacer	Water	2.00	400.0	--	5.00	66.70
		Remarks: fresh water						
18	Oct 12, 2015 12:34	Mix Cement	0-1-0 G	2.00	500.0	--	34.00	100.70
		Remarks: mixed & pumped away						
19	Oct 12, 2015 12:51	Displace Fluid	Water	3.00	600.0	--	11.90	112.60
		Remarks: leave 3 bbl of slurry on top of retainer						
20	Oct 12, 2015 12:55	Stop		--	--	--	--	112.60
		Remarks: sting out, release pressure						
21	Oct 12, 2015 13:10	Rig Out		--	--	--	--	112.60
22	Oct 12, 2015 13:15	Wash		--	--	--	--	112.60
		Remarks: wash up pump						
23	Oct 12, 2015 13:45	Job Complete		--	--	--	--	112.60
24	Oct 12, 2015 13:55	Pre-Departure Meeting		--	--	--	--	112.60
25	Oct 12, 2015 14:25	Leave Location		--	--	--	--	112.60



## Cementing Service Report

**9208162**

Client Name Anadarko Petroleum Corporation	Well Name HSR Redmond 12-21	Rig Ensign Drilling Inc. 350	Job Date October 13, 2015	Call Sheet 1061547
Client Representative Mr. Rigo Cintora	Surface Well Location NW SW Sec 21:T3N:R67W	Down Hole Well Location	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):	--- @ --

Open Hole	Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
	8.000	--	583.000	816.000	--	--

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)
	8.625	24.000	J-55	1,370.0	2,950.0	37.13	8.097	9.625	0.0	583.0
	4.500	11.600	J-55	4,960.0	5,350.0	1.62	4.000	5.000	816.0	920.0

#### Products

<b>Plug 1</b>	
From Depth (ft):	330
To Depth (ft):	920
Plug Type :	Abandonment
Acids/Blends/Fluids :	
Tail: 135 Sacks of 0:1:0 Type III, Density = 13.6 lb/gal, Volume Pumped = 32 (bbl)	
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75	
+ 0.25 lb/sack of Polyflake (Preblend),	
+ 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)	

#### Fluid & Cement Data

Expected Cement Top:      Depth (ft): 330					
<b>Wellbore Fluid</b>					
<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	--	--	--	--	Jun 07, 2015 22:11

#### Units & Personnel

<b>Units</b>							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201401	PICKUP	1 Ton				10/13/2015 08:20	10/13/2015 10:50
740067	BODY JOB	C & A				10/13/2015 08:20	10/13/2015 10:50
746508	BODY JOB	Baby Bulker				10/13/2015 08:20	10/13/2015 10:50

<b>Crew and Bonuses</b>					
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift	
Laeger, Kacey (25046)	10/13/2015 08:20	10/13/2015 10:50			
Cheal, Samuel (28315)	10/13/2015 08:20	10/13/2015 10:50			
Faircloth, Branden (29706)	10/13/2015 08:20	10/13/2015 10:50			

### 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	Oct 13,2015 08:20	Arrive On Location		--	--	--	--	0.00
2	Oct 13,2015 08:25	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Held						
3	Oct 13,2015 08:45	Rig in Complete		--	--	--	--	0.00
4	Oct 13,2015 08:50	Wait on Client (non Sanjel)		--	--	--	--	0.00
		Remarks: Wait on rig to pull casing and run in tubing						
5	Oct 13,2015 09:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Held						
6	Oct 13,2015 09:40	Pressure Test Start	Water	1.00	120.0	--	1.00	1.00
		Remarks: Filled lines						
7	Oct 13,2015 09:42	Pressure Test Complete	Water	--	2,500.0	--	--	1.00
		Remarks: Lines held good						
8	Oct 13,2015 09:44	Pump	Water	1.60	150.0	--	4.00	5.00
		Remarks: Fresh water head						
9	Oct 13,2015 09:46	Pump Preflush	Water	3.00	350.0	--	10.00	15.00
		Remarks: 10bbls mud flush						
10	Oct 13,2015 09:50	Pump	Water	3.00	350.0	--	5.00	20.00
		Remarks: 5bbls fresh water						
11	Oct 13,2015 09:57	Mix Cement	0:1:0 Type III	3.00	350.0	--	32.00	52.00
		Remarks: 135sks of TypeIII at 14.8 lb/gal						
12	Oct 13,2015 10:07	Displace Fluid	Water	3.00	400.0	--	1.50	53.50
		Remarks: Displace to balnce plug						
13	Oct 13,2015 10:08	Finish Displacement		--	--	--	--	53.50
14	Oct 13,2015 10:10	Wash		--	--	--	--	53.50
		Remarks: Wash pump unit						
15	Oct 13,2015 10:30	Rig Out		--	--	--	--	53.50
16	Oct 13,2015 10:45	Job Complete		--	--	--	--	53.50
17	Oct 13,2015 10:50	Leave Location		--	--	--	--	53.50

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

65997