

Client Name Anadarko Petroleum Corporation	Well Name HSR-Irwin 4-1A	Rig BWS 12	Job Date January 08, 2015	Call Sheet 1053054
Client Representative Mr. Socorro Olivas	Surface Well Location NW NW Sec 1:T3N:R66W	Down Hole Well Location	Job Type Cement Misc.	Lead Supervisor Ripka, Robert (23825)

### 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):	-- @ --

### Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
1.250	2.300	--	--	--	--	--	0.000	4,722.000

### Products

#### Plug 1

From Depth (ft): 4700

To Depth (ft): 4237

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 140 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 29 (bbl)

Water Temperature(°F) = 33 , Bulk Temperature(°F) = 35 , Slurry Temperature(°F) = 56

+ 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

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22

### Units & Personnel

#### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201017	PICKUP	1 Ton				01/08/2015 09:00	01/08/2015 11:30
740004	BODY JOB	C & A				01/08/2015 09:00	01/08/2015 11:30
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	01/08/2015 09:00	01/08/2015 11:30

#### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Ripka, Robert (23825)	01/08/2015 09:00	01/08/2015 11:30		
Barden, Sean (27711)	01/08/2015 09:00	01/08/2015 11:30		
Paiu, Vladislav (28091)	01/08/2015 09:00	01/08/2015 11:30		

### 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	Jan 08,2015 09:00	Arrive On Location		--	--	--	--	0.00
2	Jan 08,2015 09:15	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jan 08,2015 09:45	Rig in Complete		--	--	--	--	0.00
4	Jan 08,2015 09:47	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jan 08,2015 10:06	Pressure Test Start		--	--	--	--	0.00
6	Jan 08,2015 10:09	Pressure Test Complete		--	--	--	--	0.00
7	Jan 08,2015 10:10	Pump Preflush	Water	2.00	2,000.0	--	20.00	20.00
		Remarks: +SMS						
8	Jan 08,2015 10:18	Pump Spacer	Water	2.00	2,000.0	--	5.00	25.00
9	Jan 08,2015 10:21	Mix Cement	0-1-0 G	2.00	2,000.0	--	29.00	54.00
		Remarks: 140 SKS						
10	Jan 08,2015 10:38	Displace Fluid	Water	2.00	1,800.0	--	7.40	61.40
11	Jan 08,2015 11:21	Job Complete		--	--	--	--	61.40
12	Jan 08,2015 11:30	Leave Location		--	--	--	--	61.40

Did Float Hold: Not Applicable  
 Fluid Returns : Yes  
 Type : Water  
 Volume (bbl) : 60  
 Temperature (°F) : 56  
 FDAS Functioning Correctly : Yes  
 Was the Program Followed As Per Design? : Yes

#### Material Transfer Sheet Number

Material Transfer Sheet Number

55453



Client Name Anadarko Petroleum Corporation	Well Name HSR-Irwin 4-1A	Rig BWS 12	Job Date January 09,2015	Call Sheet 1053155
Client Representative Mr. Socorro Olivas	Surface Well Location NW NW Sec 1:T3N:R66W	Down Hole Well Location	Job Type Cement Misc.	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						
	<u>Size (in)</u>	<u>Excess (%)</u>	<u>TMD From (ft)</u>	<u>TMD To (ft)</u>	<u>TVD From (ft)</u>	<u>TVD To (ft)</u>
	9.000	--	454.000	1,422.000	--	--

Casing										
	<u>Size (in)</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Collapse Pressure (psi)</u>	<u>Internal Yield Pressure (psi)</u>	<u>Capacity (bbl)</u>	<u>I.D. (in)</u>	<u>O.D. (in)</u>	<u>Depth From (ft)</u>	<u>Depth To (ft)</u>
	8.625	24.000	--	--	--	--	--	--	0.0	454.0
	4.500	11.600	--	--	--	--	--	--	0.0	7,457.0

Tubing									
	<u>Size (in)</u>	<u>Weight (lb/ft)</u>	<u>Grade</u>	<u>Collapse Pressure (psi)</u>	<u>Capacity (bbl)</u>	<u>I.D. (in)</u>	<u>O.D. (in)</u>	<u>Depth From (ft)</u>	<u>Depth To (ft)</u>
	1.250	1.700	--	--	--	--	--	0.000	1,422.000

**Products**

<b>Plug 1</b>	
From Depth (ft):	
To Depth (ft):	
Plug Type :	N/A
Acids/Blends/Fluids :	
Plug: 400 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 105 (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:	--				
<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	--	8.400	--	--	Aug 24, 2014 17:22



Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201274	PICKUP	3/4 Ton				01/09/2015 14:45	01/09/2015 17:45
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/09/2015 14:45	01/09/2015 17:45
446173	TRAILER	Bulker	746173	TRACTOR	Tandem - Tractor	01/09/2015 14:45	01/09/2015 17:45

  

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Price, Ryan (25840)	01/09/2015 14:45	01/09/2015 17:45		
Young, Craig (27496)	01/09/2015 14:45	01/09/2015 17:45		
Heye, Joshua (29833)	01/09/2015 14:45	01/09/2015 17:45		

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	Jan 09,2015 14:45	Arrive On Location		--	--	--	--	0.00	
2	Jan 09,2015 14:50	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Jan 09,2015 15:20	Rig in Complete		--	--	--	--	0.00	
4	Jan 09,2015 15:25	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Jan 09,2015 15:44	Pressure Test Start		--	3,000.0	--	--	0.00	
6	Jan 09,2015 15:46	Pressure Test Complete		--	--	--	--	0.00	
7	Jan 09,2015 15:47	Establish Circulation	Water	2.00	700.0	--	5.00	5.00	
8	Jan 09,2015 15:50	Pump Preflush	Water	2.00	800.0	--	10.00	15.00	
Remarks: pump SAPP									
9	Jan 09,2015 15:55	Pump Spacer	Water	1.00	600.0	--	5.00	20.00	
10	Jan 09,2015 16:00	Mix Cement	0:1:0 Type III	2.00	1,200.0	--	105.00	125.00	
11	Jan 09,2015 16:45	Pump Displacement	Water	2.00	1,200.0	--	1.50	126.50	
12	Jan 09,2015 16:46	Stop		--	--	--	--	126.50	
13	Jan 09,2015 16:55	Wash		--	--	--	--	126.50	
14	Jan 09,2015 17:15	Rig Out		--	--	--	--	126.50	
15	Jan 09,2015 17:35	Job Complete		--	--	--	--	126.50	
16	Jan 09,2015 17:40	Pre-Departure Meeting		--	--	--	--	126.50	
17	Jan 09,2015 17:45	Leave Location		--	--	--	--	126.50	
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							