



Cementing Service Report

9208179

Client Name Anadarko Petroleum Corporation	Well Name Bluffs Red W 5-5	Rig ECWS 7	Job Date October 24,2015	Call Sheet 0
Client Representative Mr. Dave Donoho	Surface Well Location SW NW Sec 5:T2N:R66W	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):	--- @ --

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	--	8.097	9.625	--	--
4.500	12.950		--	--	--	--	--	0.0	7,200.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.063	3.250	J-55	7,690.000	21.440	1.751	2.325	0.000	7,200.000

Products

Stage 1

From Depth (ft): 7200

To Depth (ft): 6288

Acids/Blends/Fluids :

Lead 1: 25 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 6.7 (bbl)

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

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6288

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201386	PICKUP	1 Ton				10/24/2015 06:40	10/24/2015 09:00
740067	BODY JOB	C & A				10/24/2015 06:40	10/24/2015 09:00
746508	BODY JOB	Baby Bulker				10/24/2015 06:40	10/24/2015 09:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Maguire, Matthew (26325)	10/24/2015 06:40	10/24/2015 09:00		
Johnson, Jakob (30073)	10/24/2015 06:40	10/24/2015 09:00		
Melgarejo Herrera, Eduardo (26606)	10/24/2015 06:40	10/24/2015 09:00		



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 24,2015 06:40	Arrive On Location		--	--	--	--	0.00	
		Remarks: Sign in at lease entrance.							
2	Oct 24,2015 06:45	Tailgate Meeting		--	--	--	--	0.00	
		Remarks: JSA.							
3	Oct 24,2015 06:50	Crew Briefing (Rig in)		--	--	--	--	0.00	
4	Oct 24,2015 07:00	Rig in Complete		--	--	--	--	0.00	
5	Oct 24,2015 07:02	Crew Briefing (Pre Job)		--	--	--	--	0.00	
6	Oct 24,2015 07:05	STEACS Briefing		--	--	--	--	0.00	
7	Oct 24,2015 07:10	Sign-off on Safety		--	--	--	--	0.00	
8	Oct 24,2015 07:19	Start - Fluid		2.00	--	--	5.00	5.00	
		Remarks: Fill lines.							
9	Oct 24,2015 07:20	Pressure Test Start		--	2,500.0	--	--	5.00	
10	Oct 24,2015 07:21	Pressure Test Complete		--	2,500.0	--	--	5.00	
		Remarks: All lines held pressure.							
11	Oct 24,2015 07:22	Establish Circulation		1.00	500.0	--	7.00	12.00	
		Remarks: We had circulation.							
12	Oct 24,2015 07:37	Mix Cement	Thermal 35	1.50	800.0	--	6.70	18.70	
		Remarks: WR= 6.23,							
13	Oct 24,2015 07:40	Displace Fluid		1.50	500.0	--	18.70	37.40	
		Remarks: Balance plug.							
14	Oct 24,2015 07:54	Stop		--	--	--	--	37.40	
15	Oct 24,2015 08:00	Wash		1.50	100.0	--	20.00	37.40	
16	Oct 24,2015 08:30	Rig Out		--	--	--	--	37.40	
		Remarks: Revisit JSA.							
17	Oct 24,2015 08:45	Pre-Departure Meeting		--	--	--	--	37.40	
18	Oct 24,2015 08:55	Job Complete		--	--	--	--	37.40	
19	Oct 24,2015 09:00	Leave Location		--	--	--	--	37.40	
		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									
63590									



Cementing Service Report

9208180

Client Name Anadarko Petroleum Corporation	Well Name Bluffs Red W 5-5	Rig ECWS 7	Job Date October 26,2015	Call Sheet 1061919
Client Representative Mr. Dave Donoho	Surface Well Location SW NW Sec 5:T2N:R66W	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):		--- @ --								
Casing										
<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>	
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)	
8.625	24.000	J-55	1,370.0	2,950.0	--	8.097	9.625	--	--	
3.500	12.950		--	--	--	--	--	0.0	4,700.0	
Tubing										
<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>		
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)		
2.063	3.250	J-55	7,690.000	14.000	1.751	2.325	0.000	4,700.000		

Products										
Plug 1										
From Depth (ft):		4700								
To Depth (ft):		4033								
Plug Type :		Abandonment								
Acids/Blends/Fluids :										
Tail: 30 Sacks of		0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 6.1 (bbl)								
Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55										
+ 0.5 % of CFR-2 (Preblend),										
+ 0.2 % of FMC (Preblend),										
+ 0.5 % of LWA (Preblend)										

Fluid & Cement Data					
Expected Cement Top:		Depth (ft): 4033			
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	--	--	--	--	Jun 07, 2015 22:11

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201386	PICKUP	1 Ton				10/27/2015 07:30	10/27/2015 10:00
740067	BODY JOB	C & A				10/27/2015 07:30	10/27/2015 10:00
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	10/27/2015 07:30	10/27/2015 10:00
Crew and Bonuses							
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift			
Maguire, Matthew (26325)	10/27/2015 07:30	10/27/2015 10:00					
Spirek, Matthew (26921)	10/27/2015 07:30	10/27/2015 10:00					
Johnson, Jakob (30073)	10/27/2015 07:30	10/27/2015 10:00					
Phillips, James (23627)	10/27/2015 07:30	10/27/2015 10:00					

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 27,2015 07:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Sign in at lease entrance.						
2	Oct 27,2015 07:35	Tailgate Meeting		--	--	--	--	0.00
		Remarks: JSA.						
3	Oct 27,2015 07:40	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Oct 27,2015 07:55	Rig in Complete		--	--	--	--	0.00
5	Oct 27,2015 07:57	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Oct 27,2015 08:00	STEACS Briefing		--	--	--	--	0.00
7	Oct 27,2015 08:15	Sign-off on Safety		--	--	--	--	0.00
8	Oct 27,2015 08:23	Start - Fluid	Water	1.00	200.0	--	1.00	1.00
		Remarks: Filled lines.						
9	Oct 27,2015 08:24	Pressure Test Start	Water	--	2,500.0	--	--	1.00
10	Oct 27,2015 08:25	Pressure Test Complete	Water	--	2,500.0	--	--	1.00
		Remarks: All lines held pressure.						
11	Oct 27,2015 08:30	Establish Circulation	Water	1.50	425.0	--	2.00	3.00
		Remarks: We had circulation.						
12	Oct 27,2015 08:33	Mix Cement	0-1-0 G	1.50	450.0	--	6.10	9.10
		Remarks: WR=4.98,						
13	Oct 27,2015 08:40	Displace Fluid	Water	1.50	600.0	--	11.00	20.10
		Remarks: Balance plug.						
14	Oct 27,2015 08:48	Stop		--	--	--	--	20.10
15	Oct 27,2015 08:55	Wash	Water	15.00	100.0	--	20.00	20.10
16	Oct 27,2015 09:30	Rig Out		--	--	--	--	20.10
		Remarks: Revisit JSA.						
17	Oct 27,2015 09:50	Pre-Departure Meeting		--	--	--	--	20.10
18	Oct 27,2015 09:55	Job Complete		--	--	--	--	20.10
19	Oct 27,2015 10:00	Leave Location		--	--	--	--	20.10
		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

63605

63607



Cementing Service Report

9209002

Client Name Anadarko Petroleum Corporation	Well Name Bluffs Red W 5-5	Rig ECWS 7	Job Date October 28,2015	Call Sheet 1061982
Client Representative Mr. Dave Donoho	Surface Well Location SW NW Sec 5:T2N:R66W	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):	--- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
9.000	--	575.000	1,190.000	--	--

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		--	--	--	--	--	0.0	575.0
3.500	9.300		--	--	--	--	--	1,190.0	2,000.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.063	0.000		--	--	--	--	0.000	1,190.000

Products

Plug 1

From Depth (ft): 375

To Depth (ft): 1190

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 340 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 80.5 (bbl)

Water Temperature(°F) = 70 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80

+ 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): 375

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 07, 2015 22:11



9209002

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	201191	PICKUP	1 Ton	10/28/2015 11:00	10/28/2015 16:30
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	10/28/2015 11:00	10/28/2015 16:30
446145	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	10/28/2015 11:00	10/28/2015 16:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Lopez, Armando (29064)	10/28/2015 11:00	10/28/2015 16:30					
Joyner, Barlen (28603)	10/28/2015 11:00	10/28/2015 16:30					
Barden, Sean (27711)	10/28/2015 11:00	10/28/2015 16:30					
Melgarejo Herrera, Eduardo (26606)	10/28/2015 11:00	10/28/2015 16:30					



9209002

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 28,2015 11:00	Arrive On Location		--	--	--	--	0.00
	Remarks: Company man requested cement crew on location at 1200							
2	Oct 28,2015 11:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Oct 28,2015 11:45	Rig in Complete		--	--	--	--	0.00
4	Oct 28,2015 14:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Oct 28,2015 14:22	Start - Fluid	Water	--	--	--	1.00	1.00
	Remarks: Fill lines							
6	Oct 28,2015 14:23	Pressure Test Start		--	2,000.0	--	--	0.00
7	Oct 28,2015 14:24	Pressure Test Complete		--	--	--	--	0.00
8	Oct 28,2015 14:25	Pump Spacer	Water	2.00	350.0	--	5.00	6.00
9	Oct 28,2015 14:28	Pump Spacer	Water	2.00	350.0	--	10.00	16.00
	Remarks: Mud flush							
10	Oct 28,2015 14:32	Pump Spacer	Water	2.00	280.0	--	10.00	26.00
11	Oct 28,2015 14:36	Mix Cement	0:1:0 Type III	2.50	450.0	--	80.50	106.50
	Remarks: Pumped 340 sacks Density 14.8 Yield 1.33 Water 6.31							
12	Oct 28,2015 15:07	Displace Fluid	Water	1.50	200.0	--	1.00	107.50
13	Oct 28,2015 15:09	Stop		--	--	--	--	0.00
14	Oct 28,2015 15:10	Wash		--	--	--	--	0.00
15	Oct 28,2015 15:40	Rig Out		--	--	--	--	0.00
16	Oct 28,2015 16:10	Job Complete		--	--	--	--	0.00
17	Oct 28,2015 16:20	Pre-Departure Meeting		--	--	--	--	0.00
18	Oct 28,2015 16:30	Leave Location		--	--	--	--	0.00
Did Float Hold:		Not Applicable						
Fluid Returns :		Yes						
Type :		Mud						
Volume (bbl) :		107						
Temperature (°F) :		90						
FDAS Functioning Correctly :		Yes						
Was the Program Followed As Per Design? :		Yes						
Material Transfer Sheet Number								
Material Transfer Sheet Number								
63607								
63605								