



**Pumping
Service Report**

9190966

Client Name Anadarko Petroleum Corporation	Well Name MILLER DONALD E UNIT C 1	Job Date March 24, 2014	Call Sheet 1040424
Client Representative Larry Webb	Location NW SE Sec 4:T1N:R67W	Job Type Abandonment Plugs	Rig Basic 1549

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	10.500	---	--	--	--	--	--	0.0	8,175.0

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	6,930.000
2.375	4.700	---	--	--	--	--	0.000	5,115.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 140 Sacks of 0-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 41.4 (bbl)
Water Temperature(°F) = 45 , Bulk Temperature(°F) = 46 , Slurry Temperature(°F) = 65
+ 20 % of Silica Flour (Preblend),
+ 3 % of Gel (Preblend),
+ 0.1 % of SMS (Preblend),
+ 0.4 % of CFR-2 (Preblend),
+ 0.4 % of CFL-3 (Preblend)

Plug 2

From Depth (ft): 5115

To Depth (ft): 4085

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 80 Sacks of 0-1-0 G, Density = 15.6 lb/gal, Volume Pumped = 16.3 (bbl)
Water Temperature(°F) = 45 , Bulk Temperature(°F) = 46 , Slurry Temperature(°F) = 66
+ 0.5 % of CFR-2 (Preblend),
+ 0.25 % of FMC (Preblend),
+ 0.5 % of LWA (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)



**Pumping
Service Report**

9190966

Fluid & Cement Data

Expected Cement Top: --

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	--	--	Mar 24, 2014 08:18

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	201025	PICKUP	1 Ton	03/24/2014 11:50	03/24/2014 17:00
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	03/24/2014 11:50	03/24/2014 17:00
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	03/24/2014 11:50	03/24/2014 17:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Ripka, Robert	03/24/2014 11:50	03/24/2014 17:00		
Morris, Theodore	03/24/2014 11:50	03/24/2014 17:00		
Lindsay, Kevin	03/24/2014 11:50	03/24/2014 17:00		
Curtner, Jerry	03/24/2014 11:50	03/24/2014 17:00		
Rogers, Clifford	03/24/2014 11:50	03/24/2014 17:00		

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 24, 2014 11:50	Arrive On Location	---	--	--	--	--	0.00
2	Mar 24, 2014 11:55	Tailgate Meeting	---	--	--	--	--	0.00
3	Mar 24, 2014 12:30	Rig In	---	--	--	--	--	0.00
4	Mar 24, 2014 13:19	Safety Meeting	---	--	--	--	--	0.00
5	Mar 24, 2014 13:40	Sign-off on Safety	---	--	--	--	--	0.00
6	Mar 24, 2014 13:42	Pressure Test	---	--	3,000.0	--	--	0.00
7	Mar 24, 2014 13:45	Pump Preflush	Water	2.00	700.0	--	10.00	10.00
8	Mar 24, 2014 13:50	Mix Cement	0-1-0 G	2.00	1,400.0	--	41.40	51.40
		Remarks: 140 SKS						
9	Mar 24, 2014 14:11	Displace Fluid	Water	2.00	100.0	--	26.80	78.20
10	Mar 24, 2014 14:25	Stop	---	--	--	--	--	78.20
11	Mar 24, 2014 15:16	Pressure Test	---	--	3,000.0	--	--	0.00
12	Mar 24, 2014 15:25	Mix Cement	0-1-0 G	1.80	400.0	--	16.30	16.30
		Remarks: 80 SKS						
13	Mar 24, 2014 15:40	Displace Fluid	Water	2.00	100.0	--	15.00	31.30
14	Mar 24, 2014 15:50	Stop	---	--	--	--	--	31.30
15	Mar 24, 2014 16:00	Rig Out	---	--	--	--	--	31.30
16	Mar 24, 2014 16:45	Job Complete	---	--	--	--	--	31.30
17	Mar 24, 2014 16:46	Pre-Departure Meeting	---	--	--	--	--	31.30
18	Mar 24, 2014 17:00	Leave Location	---	--	--	--	--	31.30



**Pumping
Service Report**

9190966

Treatment Reports & Remarks

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

37135

Comments To Service Report

TOP OF PLUG AT 4085 FEET
BOTTOM PLUG AT 5115 FEET
PLUG LENGHT 1030.52



**Pumping
Service Report**

9190877

Client Name Anadarko Petroleum Corporation	Well Name Donald E Miller Unit C #1	Job Date March 26, 2014	Call Sheet 1040495
Client Representative Larry Webb	Location SW SW Sec 4:T1N:R67W	Job Type Abandonment Plugs	Rig Basic 1549

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)
8.625	24.000	J-55	1,370.0	2,950.0	10.19	8.097	9.625	0.0	160.0

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	0.810	1.995	2.910	0.000	210.000

Products

Plug 1

From Depth (ft): 210

To Depth (ft): 110

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 23.5 Sacks of 0:1:0 Type III, Density = 14 lb/gal, Volume Pumped = 6.3 (bbl)

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

+ 1 % of CaCl₂ (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	Mar 24, 2014 18:38



**Pumping
Service Report**

9190877

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>
740004	BODY JOB	C & A				03/26/2014 07:00	03/26/2014 10:00
746502	BODY JOB	Baby Bulker				03/26/2014 07:00	03/26/2014 10:00
200596	PICKUP	1/2 Ton				03/26/2014 07:00	03/26/2014 10:00
200910	PICKUP	1/2 Ton				03/26/2014 07:00	03/26/2014 10:00

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Laeger, Kacey	03/26/2014 07:00	03/26/2014 10:00		
Pigg, Martin	03/26/2014 07:00	03/26/2014 10:00		
Doran, Benjamin	03/26/2014 07:00	03/26/2014 10:00		
Arnoldt, Bart	03/26/2014 07:00	03/26/2014 10:00		
Maguire, Matthew	03/26/2014 07:00	03/26/2014 10:00		
Graves, Douglas	03/26/2014 07:00	03/26/2014 10:00		

Treatment Reports & Remarks



**Pumping
Service Report**

9190877

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 26, 2014 06:30	Arrive On Location	---	--	--	--	--	0.00
		Remarks: Arrived on location early.						
2	Mar 26, 2014 06:35	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: Discussed staging of equipment and rig in.						
3	Mar 26, 2014 06:45	Rig In	---	--	--	--	--	0.00
		Remarks: Rigged pump truck into well, bulk truck and water truck.						
4	Mar 26, 2014 07:40	Safety Meeting	---	--	--	--	--	0.00
		Remarks: Discussed job scope.						
5	Mar 26, 2014 07:48	Sign-off on Safety	---	--	--	--	--	0.00
6	Mar 26, 2014 07:50	Start - Fluid	Water	1.00	100.0	--	0.50	0.50
		Remarks: Filled lines.						
7	Mar 26, 2014 07:53	Pressure Test	---	--	1,500.0	--	--	0.50
		Remarks: Pressure tested iron and hoses. All held pressure.						
8	Mar 26, 2014 08:32	Establish Circulation	Water	3.00	100.0	--	5.00	5.50
		Remarks: Had returns.						
9	Mar 26, 2014 08:48	Mix Cement	0:1:0 Type III	2.50	200.0	--	6.30	11.80
		Remarks: Pumped slurry.						
10	Mar 26, 2014 08:52	Displace Fluid	Water	0.50	100.0	--	0.50	12.30
		Remarks: Displaced fluid.						
11	Mar 26, 2014 08:54	Stop	---	--	--	--	--	12.30
		Remarks: Finished pumping slurry and displacement.						
12	Mar 26, 2014 09:00	Wash	Water	1.50	150.0	--	20.00	12.30
		Remarks: Washed up pump truck.						
13	Mar 26, 2014 09:30	Rig Out	---	--	--	--	--	12.30
		Remarks: Rigged out from well, bulk truck and water truck.						
14	Mar 26, 2014 09:40	Pre-Departure Meeting	---	--	--	--	--	12.30
		Remarks: Discussed leaving location safely.						
15	Mar 26, 2014 09:45	Job Complete	---	--	--	--	--	12.30
		Remarks: Job is completed.						
16	Mar 26, 2014 09:50	Leave Location	---	--	--	--	--	12.30
		Remarks: Leave location in a safe manner.						

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

37161



**Pumping
Service Report**

9190968

Client Name Anadarko Petroleum Corporation	Well Name Donald E Miller Unit C #1	Rig Basic 1549	Job Date March 25,2014	Call Sheet 1040481
Client Representative Larry Webb	Surface Well Location SW SW Sec 4:T1N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

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)
4.500	10.500		--	--	--	--	--	0.0	8,175.0

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	790.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 420 Sacks of 0:1:0 Type III, Density = 14 lb/gal, Volume Pumped = 109 (bbl)

Water Temperature(°F) = 36 , Bulk Temperature(°F) = 40 , Slurry Temperature(°F) = 67

+ 1 % of CaCl2 (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	--	8.340	--	--	Mar 24, 2014 18:38



Pumping Service Report

9190968

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449093	TRAILER	Utility Trailer	201025	PICKUP	1 Ton	03/25/2014 10:45	03/25/2014 15:15
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	03/25/2014 10:45	03/25/2014 15:15
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	03/25/2014 10:45	03/25/2014 15:15
200596	PICKUP	1/2 Ton				03/25/2014 10:45	03/25/2014 15:15

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Ripka, Robert	03/25/2014 10:45	03/25/2014 15:15		
Schmidt, Kurt	03/25/2014 10:45	03/25/2014 15:15		
Morris, Theodore	03/25/2014 10:45	03/25/2014 15:15		
Haase, Jon	03/25/2014 10:45	03/25/2014 15:15		
Svoboda, Miloslav	03/25/2014 10:45	03/25/2014 15:15		
Cheal, Samuel	03/25/2014 10:45	03/25/2014 15:15		
Arnoldt, Bart	03/25/2014 10:45	03/25/2014 15:15		

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 25, 2014 10:45	Arrive On Location		--	--	--	--	0.00
2	Mar 25, 2014 10:50	Tailgate Meeting		--	--	--	--	0.00
3	Mar 25, 2014 11:41	Safety Meeting		--	--	--	--	0.00
4	Mar 25, 2014 12:17	Sign-off on Safety		--	--	--	--	0.00
5	Mar 25, 2014 12:35	Pressure Test		--	3,000.0	--	--	0.00
6	Mar 25, 2014 12:41	Pump Preflush	Water	1.50	1,500.0	--	10.00	10.00
7	Mar 25, 2014 12:48	Mix Cement	0:1:0 Type III	2.00	500.0	--	109.00	119.00
Remarks: 420 SKS								
8	Mar 25, 2014 13:52	Displace Fluid	Water	1.00	200.0	--	1.50	120.50
9	Mar 25, 2014 14:00	Stop		--	--	--	--	120.50
10	Mar 25, 2014 14:20	Rig Out		--	--	--	--	120.50
11	Mar 25, 2014 15:00	Job Complete		--	--	--	--	120.50
12	Mar 25, 2014 15:02	Pre-Departure Meeting		--	--	--	--	120.50
13	Mar 25, 2014 15:15	Leave Location		--	--	--	--	120.50

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



**Pumping
Service Report**

9190968

Treatment Reports & Remarks

Material Transfer Sheet Number

Material Transfer Sheet Number

37145

Comments To Service Report

CEMENT YEILD 1.46 H2O 7.32