



**Pumping
Service Report**

9193143

Client Name Anadarko Petroleum Corporation	Well Name Elliott Karl Unit #1	Rig Basic 1549	Job Date June 23, 2014	Call Sheet 1043294
Client Representative Larry Webb	Surface Well Location Sec 18:T3N: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):	--- @ --

Products

Plug 1

From Depth (ft): 3842

To Depth (ft): 4100

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 150 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 44.3 (bbl)
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 70
+ 20 % of Silica Flour,
+ 3 % of Gel,
+ 0.1 % of SMS,
+ 0.4 % of CFR-2,
+ 0.4 % of CFL-3

Plug: 20 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 4.1 (bbl)
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 70

Fluid & Cement Data

Expected Cement Top: Depth (ft): 3842

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	May 19, 2014 18:47

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201231	PICKUP	1/2 Ton				06/23/2014 12:00	06/23/2014 17:00
740004	BODY JOB	C & A				06/23/2014 12:00	06/23/2014 17:00
746502	BODY JOB	Baby Bulker				06/23/2014 12:00	06/23/2014 17:00
746508	BODY JOB	Baby Bulker				06/23/2014 12:00	06/23/2014 17:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Loomis, Robert	06/23/2014 12:00	06/23/2014 17:00		
McMartin, Granite	06/23/2014 12:00	06/23/2014 17:00		
Hall, Austin	06/23/2014 12:00	06/23/2014 17:00		
Keysaw, Earl	06/23/2014 12:00	06/23/2014 17:00		



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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	Jun 23, 2014 12:00	Arrive On Location	---	--	--	--	--	0.00
2	Jun 23, 2014 12:05	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: Discuss all location hazards and spotting assignment						
3	Jun 23, 2014 12:20	Rig In	---	--	--	--	--	0.00
		Remarks: Rig in all iron and hoses for job						
4	Jun 23, 2014 12:50	Safety Meeting	---	--	--	--	--	0.00
		Remarks: With Customer and rig hands						
5	Jun 23, 2014 13:10	Sign-off on Safety	---	--	--	--	--	0.00
6	Jun 23, 2014 13:14	Establish Circulation	Water	1.00	400.0	--	10.00	10.00
		Remarks: Break circulation with fresh h2o						
7	Jun 23, 2014 13:21	Pressure Test	Water	--	4,000.0	--	--	10.00
		Remarks: Test held with no leaks						
8	Jun 23, 2014 13:26	Pump	1-1-0 G	0.75	75.0	--	44.30	54.30
		Remarks: 150 sks 1-1-0 Cement Mixed @ 13.5ppg, yld 1.66, 7.92 gal/sk						
9	Jun 23, 2014 14:01	Displace Fluid	Water	1.25	510.0	--	23.70	78.00
		Remarks: Displace cement to retainer per Customer						
10	Jun 23, 2014 14:25	Stop	---	--	--	--	--	78.00
11	Jun 23, 2014 14:30	Pull Out Off Retainer	---	--	--	--	--	0.00
		Remarks: Rig Pulled out of Retainer and laid down 63 joints to 4100' per Customer						
12	Jun 23, 2014 14:58	Rig In	---	--	--	--	--	0.00
		Remarks: Rig back into tubing to start next plug at 4100'						
13	Jun 23, 2014 15:02	Establish Circulation	---	2.00	400.0	--	20.00	98.00
		Remarks: Break circulation with fresh h2o						
14	Jun 23, 2014 15:13	Pressure Test	Water	--	1,600.0	--	--	98.00
		Remarks: Test went good with no leaks						
15	Jun 23, 2014 15:17	Pump	---	0.80	35.0	--	4.10	102.10
		Remarks: 20 sks 0-1-0 G neat Cement mixed @ 15.8ppg, yld 1.15. 4.99 gal/sk						
16	Jun 23, 2014 15:25	Displace Plug	Water	2.00	310.0	--	14.80	116.90
		Remarks: Displace plug to balance						
17	Jun 23, 2014 15:34	Stop	---	--	--	--	--	0.00
		Remarks: Balance back to truck						
18	Jun 23, 2014 15:36	Pull Pipe	---	--	--	--	--	0.00
		Remarks: Rig P.O.O.H to surface per customer						
19	Jun 23, 2014 15:50	Rig Out	---	--	--	--	--	0.00
		Remarks: Wash up pump and rig out all iron and hoses						
20	Jun 23, 2014 16:30	Job Complete	---	--	--	--	--	0.00
21	Jun 23, 2014 16:45	Pre-Departure Meeting	---	--	--	--	--	0.00
22	Jun 23, 2014 17:00	Leave Location	---	--	--	--	--	0.00
		Remarks: Headed back to yard						



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Client Name Anadarko Petroleum Corporation	Well Name Elliott Karl Unit #1	Rig Basic 1549	Job Date June 24, 2014	Call Sheet 1043329
Client Representative Larry Webb	Surface Well Location Sec 18:T3N: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	J-55	4,010.0	4,790.0	14.04	4.052	5.000	0.0	880.0

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	3.400	1.995	2.910	0.000	880.000

Products

Plug 1

From Depth (ft): 280

To Depth (ft): 880

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 360 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 85.27 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 70
+ 0.5 % of CaCl₂,
+ 0.3 % of CFR-2,
+ 0.3 % of CFL-3,
+ 0.25 lb/sack of Polyflake

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	May 19, 2014 18:47

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	290.000	Third Party



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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>
449086	TRAILER	Utility Trailer	200868	PICKUP	3/4 Ton	06/24/2014 08:00	06/24/2014 11:45
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	06/24/2014 08:00	06/24/2014 11:45
446075	TRAILER	Bulker	746075	TRACTOR	Tandem - Tractor	06/24/2014 08:00	06/24/2014 11:45

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Hall, Andrew J	06/24/2014 08:00	06/24/2014 11:45		
Prigmore, Dominic	06/24/2014 08:00	06/24/2014 11:45		
Durham, Adrian	06/24/2014 08:00	06/24/2014 11:45		
Phillips, James	06/24/2014 08:00	06/24/2014 11:45		

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	Jun 24,2014 08:30	Arrive On Location	---	--	--	--	--	0.00
2	Jun 24,2014 08:45	Tailgate Meeting	---	--	--	--	--	0.00
3	Jun 24,2014 09:00	Rig In	---	--	--	--	--	0.00
4	Jun 24,2014 09:20	Safety Meeting	---	--	--	--	--	0.00
5	Jun 24,2014 09:25	Sign-off on Safety	---	--	--	--	--	0.00
6	Jun 24,2014 09:28	Pressure Test	Water	1.00	3,000.0	--	1.00	1.00
7	Jun 24,2014 09:30	Establish Circulation	Water	2.00	800.0	--	15.00	16.00
8	Jun 24,2014 09:38	Pump	0:1:0 Type III	3.00	1,300.0	--	85.27	101.27
9	Jun 24,2014 10:12	Displace Fluid	Water	2.00	1,200.0	--	1.12	102.39
10	Jun 24,2014 10:20	Wash	Water	1.50	22.0	--	20.00	122.39
11	Jun 24,2014 11:00	Rig Out	---	--	--	--	--	122.39
12	Jun 24,2014 11:15	Job Complete	---	--	--	--	--	122.39
13	Jun 24,2014 11:30	Pre-Departure Meeting	---	--	--	--	--	122.39
14	Jun 24,2014 11:45	Leave Location	---	--	--	--	--	122.39

Did Float Hold: Yes

Fluid Returns : No

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

46543