



**Pumping
Service Report**

9187568

Client Name Anadarko Petroleum Corporation	Well Name Strear 13-10	Job Date February 25, 2014	Call Sheet 1038713
Client Representative Rigo Cintora	Location Sec 10:T2N:R67W	Job Type Abandonment Plugs	Rig Concord Well Servicing 3

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	85.85	8.097	9.625	0.0	1,348.0
4.500	11.600	J-55	4,960.0	5,350.0	6.96	4.000	5.000	900.0	1,348.0

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	0.000	J-55	---	---	---	---	0.000	1,348.000

Products

Stage 1

From Depth (ft): 463

To Depth (ft): 1348

Acids/Blends/Fluids :

Tail: 220 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 57.2 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60
+ 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	--	--	--	--	Feb 24, 2014 14:31



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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>
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	02/25/2014 11:14	02/25/2014 14:15
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	02/25/2014 11:14	02/25/2014 14:15
201025	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	02/25/2014 11:14	02/25/2014 14:15
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Cox, Brandon	02/25/2014 11:00	02/25/2014 14:15					
Feigenbaum, Andrew	02/25/2014 11:00	02/25/2014 14:15					
Curtner, Jerry	02/25/2014 11:00	02/25/2014 14:15					
Peterson, Ryan	02/25/2014 11:00	02/25/2014 14:15					
Hall, Andrew J	02/25/2014 11:00	02/25/2014 14:15					

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	Feb 25,2014 11:00	Arrive On Location	---	--	--	--	--	0.00
2	Feb 25,2014 11:10	Tailgate Meeting	---	--	--	--	--	0.00
3	Feb 25,2014 11:15	Rig In	---	--	--	--	--	0.00
4	Feb 25,2014 11:30	Safety Meeting	---	--	--	--	--	0.00
5	Feb 25,2014 11:40	Sign-off on Safety	---	--	--	--	--	0.00
6	Feb 25,2014 11:44	Pressure Test	Water	0.50	1,500.0	--	1.00	1.00
7	Feb 25,2014 11:50	Establish Circulation	Water	2.00	60.0	--	5.00	6.00
8	Feb 25,2014 11:57	Pump	0:1:0 Type III	2.00	60.0	--	57.20	63.20
9	Feb 25,2014 12:25	Displace Fluid	Water	2.00	50.0	--	1.70	64.90
10	Feb 25,2014 12:40	Wash	Water	1.50	22.0	--	20.00	84.90
11	Feb 25,2014 13:15	Rig Out	---	--	--	--	--	84.90
12	Feb 25,2014 13:45	Job Complete	---	--	--	--	--	84.90
13	Feb 25,2014 14:00	Pre-Departure Meeting	---	--	--	--	--	84.90
14	Feb 25,2014 14:15	Leave Location	---	--	--	--	--	84.90

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

Material Transfer Sheet Number

Material Transfer Sheet Number

44348



**Pumping
Service Report**

9185837

Client Name Anadarko Petroleum Corporation	Well Name Strear 13-10	Job Date February 24, 2014	Call Sheet 1038693
Client Representative Rigo Cintora	Location SW SW Sec 10:T2N:R67W	Job Type Abandonment Plugs	Rig Concord Well Servicing 3

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	11.600	J-55	4,960.0	5,350.0	112.53	4.000	5.000	0.0	7,240.0
4.500	11.600	J-55	4,960.0	5,350.0	79.27	4.000	5.000	0.0	5,100.0

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	27.970	1.995	2.910	0.000	7,235.000
2.375	4.700	J-55	8,100.000	19.700	1.995	2.910	0.000	5,095.000

Products

Plug 1

From Depth (ft): 7240

To Depth (ft): 6663

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 30 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 8.06 (bbl)

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

Tail: 65 Sacks of 0-1-0 G, Density = 15.6 lb/gal, Volume Pumped = 13.3 (bbl)

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

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	Oct 08, 2013 08:25



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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>
201191	PICKUP	1 Ton				02/24/2014 09:30	02/24/2014 15:45
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	02/24/2014 09:30	02/24/2014 15:45
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	02/24/2014 09:30	02/24/2014 15:45

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Maguire, Matthew	02/24/2014 11:00	02/24/2014 15:45		
Johnson, Quintin	02/24/2014 11:00	02/24/2014 15:45		
Cox, Brandon	02/24/2014 11:00	02/24/2014 15:45		
Feigenbaum, Andrew	02/24/2014 11:00	02/24/2014 15:45		
Paiu, Vladislav	02/24/2014 11:00	02/24/2014 15:45		
Paiu, Corneliu	02/24/2014 11:00	02/24/2014 15:45		

Treatment Reports & Remarks



Pumping Service Report

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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	Feb 24, 2014 11:00	Arrive On Location	---	--	--	--	--	0.00
		Remarks: Arrived on location 30 minutes ahead of schedule.						
2	Feb 24, 2014 11:05	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: Talked about spotting trucks and rigging in.						
3	Feb 24, 2014 11:15	Rig In	---	--	--	--	--	0.00
		Remarks: Rigged in water truck, bulk truck and rigged into well.						
4	Feb 24, 2014 12:07	Safety Meeting	---	--	--	--	--	0.00
		Remarks: Talked about how job will proceed.						
5	Feb 24, 2014 12:12	Sign-off on Safety	---	--	--	--	--	0.00
		Remarks: Safety meeting completed.						
6	Feb 24, 2014 12:15	Start - Fluid	Water	1.00	100.0	--	1.00	1.00
		Remarks: Filled lines with fluid.						
7	Feb 24, 2014 12:18	Pressure Test	Water	--	3,000.0	--	--	1.00
		Remarks: Pressure tested and iron held pressure						
8	Feb 24, 2014 12:28	Establish Circulation	Water	2.00	230.0	--	7.00	8.00
		Remarks: Had good circulation						
9	Feb 24, 2014 12:33	Mix Cement	Thermal 35	2.00	350.0	--	8.10	16.10
		Remarks: Pumped slurry at 15.8.						
10	Feb 24, 2014 12:37	Displace Fluid	Water	2.00	100.0	--	25.80	41.90
		Remarks: Displaced fluid to balance plug.						
11	Feb 24, 2014 12:55	Stop	---	--	--	--	--	41.90
		Remarks: Stopped P1, rig pulled up tubing to 5100' and circulated.						
12	Feb 24, 2014 14:10	Start - Fluid	Water	1.00	100.0	--	1.00	42.90
		Remarks: Stage 2: Filled lines with fluid.						
13	Feb 24, 2014 14:11	Pressure Test	Water	--	3,000.0	--	--	42.90
		Remarks: Stage 2: Pressure tested iron, lines held.						
14	Feb 24, 2014 14:15	Establish Circulation	Water	2.00	70.0	--	5.00	47.90
		Remarks: Stage 2: Had good circulation.						
15	Feb 24, 2014 14:21	Mix Cement	0-1-0 G	2.00	150.0	--	13.30	61.20
		Remarks: Stage 2: Pumped slurry at 15.6. Plug length 952', T.O.P. @ 4148'.						
16	Feb 24, 2014 14:30	Displace Fluid	Water	2.00	100.0	--	16.00	77.20
		Remarks: Stage 2: Displaced fluid to balance plug.						
17	Feb 24, 2014 14:37	Stop	---	--	--	--	--	77.20
18	Feb 24, 2014 14:40	Wash	Water	1.50	150.0	--	20.00	77.20
		Remarks: Stage 2: Washed up.						
19	Feb 24, 2014 15:15	Rig Out	---	--	--	--	--	77.20
		Remarks: Stage 2: Rigged out from rig, water truck and bulk truck.						
20	Feb 24, 2014 15:30	Pre-Departure Meeting	---	--	--	--	--	77.20
		Remarks: Stage 2: Discussed job and leaving location.						
21	Feb 24, 2014 15:35	Job Complete	---	--	--	--	--	77.20
22	Feb 24, 2014 15:40	Leave Location	---	--	--	--	--	77.20
		Remarks: Stage 2: Leave location safely.						