



**Pumping
Service Report**

9191913

Client Name Anadarko Petroleum Corporation	Well Name Sekich 20-18	Rig Basic 1549	Job Date June 09, 2014	Call Sheet 1042817
Client Representative Larry Webb	Surface Well Location NW SE 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	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	--	4.000	5.000	0.0	--

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	27.640	1.995	2.910	0.000	7,150.000
2.375	4.700	J-55	8,100.000	17.400	1.995	2.910	0.000	4,500.000

Products

Plug 1

From Depth (ft): 7150

To Depth (ft): 6285

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 50 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 13.4 (bbl)

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

+ 0.5 % of CFR-2,

+ 0.25 % of FMC

Tail: 50 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 6.8 (bbl)

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

+ 0.5 % of CFR-2,

+ 0.25 % of FMC,

+ 0.5 % of LWA,

+ 0.25 lb/sack of Polyflake

Plug 2

From Depth (ft): 4500

To Depth (ft): 4061

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 50 Sacks of 0-1-0 G, Density = 15.6 lb/gal, Volume Pumped = 6.8 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)



**Pumping
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9191597

Client Name Anadarko Petroleum Corporation	Well Name Sekich 20-18	Job Date June 10, 2014	Call Sheet 1042846
Client Representative Larry Webb	Location NW SE Sec 18:T3N: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):	--- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
10.000	--	0.000	1,010.000	--	--

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	11.600	J-55	4,960.0	5,350.0	1.55	4.000	5.000	910.0	1,010.0
8.625	24.000	J-55	1,370.0	2,950.0	43.05	8.097	9.625	0.0	676.0

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	1,010.000

Products

Plug 1

From Depth (ft): 397

To Depth (ft): 1010

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 180 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 42 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 51 , Slurry Temperature(°F) = 70

+ 0.5 % of CaCl₂,

+ 0.3 % of CFR-2,

+ 0.3 % of CFL-3

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	Jun 10, 2014 06:30

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201004	PICKUP	3/4 Ton				06/10/2014 07:30	06/10/2014 09:30
740004	BODY JOB	C & A				06/10/2014 07:30	06/10/2014 09:30
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	06/10/2014 07:30	06/10/2014 09:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Schneider, Patrick	06/10/2014 07:30	06/10/2014 09:30		
Martin, David	06/10/2014 07:30	06/10/2014 09:30		
Prigmore, Dominic	06/10/2014 07:30	06/10/2014 09:30		
Keeton, Derek	06/10/2014 07:30	06/10/2014 09:30		

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	Jun 10, 2014 07:30	Arrive On Location	---	--	--	--	--	0.00
2	Jun 10, 2014 07:35	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
3	Jun 10, 2014 07:45	Rig In	---	--	--	--	--	0.00
4	Jun 10, 2014 08:00	Safety Meeting	---	--	--	--	--	0.00
5	Jun 10, 2014 08:20	Sign-off on Safety	---	--	--	--	--	0.00
6	Jun 10, 2014 08:25	Establish Circulation	Water	1.00	150.0	--	1.00	1.00
7	Jun 10, 2014 08:30	Pressure Test	Water	--	5,000.0	--	--	1.00
		Remarks: good pressure test						
8	Jun 10, 2014 08:35	Mix Cement	0:1:0 Type III	3.00	500.0	--	42.00	43.00
		Remarks: tail cement @ 14.8 ppg yield = 1.33 h2o req = 6.31						
9	Jun 10, 2014 09:01	Displace Fluid	Water	3.00	0.0	--	2.00	45.00
		Remarks: displace to balance						
10	Jun 10, 2014 09:05	Rig Out	---	--	--	--	--	0.00
11	Jun 10, 2014 09:15	Job Complete	---	--	--	--	--	0.00
12	Jun 10, 2014 09:20	Pre-Departure Meeting	---	--	--	--	--	0.00
13	Jun 10, 2014 09:30	Leave Location	---	--	--	--	--	0.00

Did Float Hold: Not Applicable

Fluid Returns : Not Expected

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : No

Was the Program Followed As Per Design? : Yes



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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	--	--	May 19, 2014 18:47

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>
201173	PICKUP	1 Ton				06/09/2014 11:00	06/09/2014 16:00
740004	BODY JOB	C & A				06/09/2014 11:00	06/09/2014 16:00
746502	BODY JOB	Baby Bulker				06/09/2014 11:00	06/09/2014 16:00
746506	BODY JOB	Baby Bulker				06/09/2014 11:00	06/09/2014 16:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Maguire, Matthew	06/09/2014 11:00	06/09/2014 16:00		
Schroeder, Stephen	06/09/2014 11:00	06/09/2014 16:00		
Prigmore, Dominic	06/09/2014 11:00	06/09/2014 16:00		
Cheal, Samuel	06/09/2014 11:00	06/09/2014 16:00		
Melgarejo Herrera, Eduardo	06/09/2014 11:00	06/09/2014 16:00		

Treatment Reports & Remarks



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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	Jun 09, 2014 10:30	Arrive On Location		--	--	--	--	0.00
2	Jun 09, 2014 10:35	Tailgate Meeting		--	--	--	--	0.00
3	Jun 09, 2014 11:00	Rig In		--	--	--	--	0.00
4	Jun 09, 2014 12:00	Safety Meeting		--	--	--	--	0.00
5	Jun 09, 2014 12:10	Sign-off on Safety		--	--	--	--	0.00
6	Jun 09, 2014 12:12	Start - Fluid	Water	2.00	50.0	--	6.00	6.00
		Remarks: Establish circulation.						
7	Jun 09, 2014 12:15	Pressure Test Lines		--	2,500.0	--	--	6.00
		Remarks: All lines held pressure.						
8	Jun 09, 2014 12:23	Mix Cement	Thermal 35	2.00	1,080.0	--	13.40	19.40
9	Jun 09, 2014 12:42	Displace Fluid	Water	2.00	700.0	--	24.00	43.40
		Remarks: Displaced to a balanced plug.						
10	Jun 09, 2014 12:51	Pull Pipe		--	--	--	--	43.40
		Remarks: Rig to pull 2,650 ft of tubing.						
11	Jun 09, 2014 14:03	Start - Fluid	Water	2.00	150.0	--	6.00	6.00
		Remarks: Established circulation.						
12	Jun 09, 2014 14:07	Pressure Test Lines		--	2,500.0	--	--	6.00
		Remarks: All lines held pressure.						
13	Jun 09, 2014 14:30	Mix Cement	0-1-0 G	2.50	200.0	--	6.80	12.80
14	Jun 09, 2014 14:36	Displace Fluid	Water	2.50	200.0	--	15.50	28.30
		Remarks: Displaced to a balanced plug.						
15	Jun 09, 2014 14:44	Stop		--	--	--	--	28.30
16	Jun 09, 2014 15:00	Wash	Water	1.50	100.0	--	20.00	28.30
17	Jun 09, 2014 15:40	Rig Out		--	--	--	--	28.30
18	Jun 09, 2014 15:50	Pre-Departure Meeting		--	--	--	--	28.30
19	Jun 09, 2014 15:55	Job Complete		--	--	--	--	28.30
20	Jun 09, 2014 15:58	Leave Location		--	--	--	--	28.30
Did Float Hold:		Not Applicable						
Fluid Returns :		Not Expected						
Type :								
Volume (bbl) :								
Temperature (°F) :		--						
FDAS Functioning Correctly :		No						
Was the Program Followed As Per Design? :		Yes						
Material Transfer Sheet Number								
<u>Material Transfer Sheet Number</u>								
258262								
258263								