



Cementing Service Report

9210080

Client Name Anadarko Petroleum Corporation	Well Name Haller 34 - 21	Rig Concord Well Servicing 4	Job Date January 06, 2016	Call Sheet 1063656
Client Representative Mr. Luis Morales	Surface Well Location SW SE Sec 21:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Prigmore, Dominic (27161)

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	--	4,000.000	6,500.000	4,000.000	6,500.000

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)
8.625	24.000	J-55	1,370.0	2,950.0	--	8.097	9.625	--	--
4.500	11.600	J-55	4,960.0	5,350.0	101.03	4.000	5.000	0.0	6,500.0

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	25.220	1.995	2.910	0.000	6,522.000

Products

Plug 1

From Depth (ft): 6610

To Depth (ft): 6490

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 55 Sacks of 1-1-3 G, Density = 13.5 lb/gal, Volume Pumped = 16.5 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55

+ 20 % of Silica Flour (Preblend),

+ 0.4 % of CFL-3 (Preblend),

+ 0.4 % of CFR-2 (Preblend),

+ 0.1 % of SMS (Preblend),

+ 3 % of Gel (Preblend)

Plug 2

From Depth (ft): 4100

To Depth (ft): 4510

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 270 Sacks of 1-1-0 G, Density = 14.6 lb/gal, Volume Pumped = 54.4 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55

+ 0.6 % of CFL-2 (Preblend),

+ 0.5 % of CFR (Preblend),

+ 0.6 % of SMS (Preblend),

+ 0.2 % of SPC-2 (Preblend),

+ 0.1 % of LTR (Preblend)

Plug: 100 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 23.7 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55

+ 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): 371

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Dec 23, 2015 10:00

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	6,522.000	Third Party
Cement Retainer	4,155.000	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>
201114	PICKUP	3/4 Ton				01/06/2016 08:30	01/06/2016 19:00
740018-1	BODY JOB	C & A				01/06/2016 08:30	01/06/2016 19:00
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	01/06/2016 08:30	01/06/2016 19:00
746508	BODY JOB	Baby Bulker				01/06/2016 08:30	01/06/2016 19:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Prigmore, Dominic (27161)	01/06/2016 08:30	01/06/2016 19:00		
Curtner, Jerry (28310)	01/06/2016 08:30	01/06/2016 19:00		
Daylong, Eric (28076)	01/06/2016 08:30	01/06/2016 19:00		
Johnson, Quintin (23945)	01/06/2016 08:30	01/06/2016 19:00		

Treatment Reports & Remarks

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	Jan 06,2016 08:30	Arrive On Location		--	--	--	--	0.00
2	Jan 06,2016 08:36	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jan 06,2016 09:30	Rig in Complete		--	--	--	--	0.00
4	Jan 06,2016 09:37	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jan 06,2016 09:48	Pressure Test Start	Water	--	3,500.0	--	--	0.00
6	Jan 06,2016 09:50	Pressure Test Complete	Water	--	3,500.0	--	--	0.00
		Remarks: Good Pressure Test.						
7	Jan 06,2016 09:51	Establish Circulation	Water	2.00	650.0	--	8.00	8.00
		Remarks: Circulation present						
8	Jan 06,2016 09:55	Mix Cement	1-1-3 G	2.00	520.0	--	16.50	24.50
		Remarks: T.O.C 6610'						
9	Jan 06,2016 10:03	Displace Fluid	Water	2.00	500.0	--	22.25	46.75
10	Jan 06,2016 10:20	Wait On Instructions		--	--	--	--	46.75
		Remarks: Wait on wire-line and rig crew to trip and set retainer.						
11	Jan 06,2016 14:35	Pressure Test	Water	--	3,700.0	--	--	46.75
		Remarks: Good Test						
12	Jan 06,2016 14:37	Establish Circulation	Water	2.00	1,100.0	--	5.00	5.00
		Remarks: Circulation present						
13	Jan 06,2016 14:40	Pump Preflush	Water	2.00	1,200.0	--	20.00	25.00
		Remarks: SMS						
14	Jan 06,2016 14:49	Pump Spacer	Water	2.00	900.0	--	5.00	30.00
15	Jan 06,2016 15:06	Mix Cement	1-1-0 G	2.00	700.0	--	54.00	84.00
		Remarks: T.O.C 4,100'						
16	Jan 06,2016 15:32	Displace Fluid	Water	2.00	700.0	--	13.00	97.00
17	Jan 06,2016 16:00	Wait On Instructions		--	--	--	--	97.00
		Remarks: Wait on rig crew to pull tubing.						
18	Jan 06,2016 17:43	Pressure Test	Water	--	1,900.0	--	--	0.00
		Remarks: Good Pressure Test.						
19	Jan 06,2016 17:45	Establish Circulation	Water	2.00	250.0	--	5.00	0.00
		Remarks: Circulation present.						
20	Jan 06,2016 17:49	Mix Cement		2.00	450.0	--	24.00	0.00
		Remarks: 100 sacks of 0-1-1 Type III @ 14.8 density. T.O.C 371'						
21	Jan 06,2016 17:54	Displace Fluid	Water	2.00	200.0	--	1.00	0.00
		Remarks: Displace to balance.						
22	Jan 06,2016 18:30	Job Complete		--	--	--	--	46.75
23	Jan 06,2016 19:00	Leave Location		--	--	--	--	46.75

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

63246

63251



Cementing Service Report

9210081

Client Name Anadarko Petroleum Corporation	Well Name Haller 34 - 21	Rig Concord Well Servicing 4	Job Date January 07, 2016	Call Sheet 1063697
Client Representative Mr. Luis Morales	Surface Well Location SW SE Sec 21:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Prigmore, Dominic (27161)

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): 300

To Depth (ft): 960

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 45 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 10.7 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55

Fluid & Cement Data

Expected Cement Top: Depth (ft): 300

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Dec 23, 2015 10:00

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201114	PICKUP	3/4 Ton				01/07/2016 10:30	01/07/2016 13:00
740004	BODY JOB	C & A				01/07/2016 10:30	01/07/2016 13:00
746508	BODY JOB	Baby Bulker				01/07/2016 10:30	01/07/2016 13:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Prigmore, Dominic (27161)	01/07/2016 10:30	01/07/2016 13:00		
Spirek, Matthew (26921)	01/07/2016 10:30	01/07/2016 13:00		
Curtner, Jerry (28310)	01/07/2016 10:30	01/07/2016 13:00		
Daylong, Eric (28076)	01/07/2016 10:30	01/07/2016 13:00		

**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	Jan 07,2016 10:30	Arrive On Location		--	--	--	--	0.00
2	Jan 07,2016 10:36	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jan 07,2016 11:30	Rig in Complete		--	--	--	--	0.00
4	Jan 07,2016 11:32	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jan 07,2016 11:46	Pressure Test Start	Water	--	2,500.0	--	--	0.00
6	Jan 07,2016 11:51	Pressure Test Complete	Water	--	2,500.0	--	--	0.00
		Remarks: Good test.						
7	Jan 07,2016 11:53	Establish Circulation	0:1:0 Type III	2.00	50.0	--	5.00	5.00
		Remarks: Circulation present.						
8	Jan 07,2016 11:55	Mix Cement	0:1:0 Type III	2.00	55.0	--	10.70	15.70
		Remarks: T.O.C 300'						
9	Jan 07,2016 12:01	Displace Fluid	Water	2.00	200.0	--	0.75	16.45
		Remarks: Displaced to balance.						
10	Jan 07,2016 12:35	Job Complete		--	--	--	--	16.45
11	Jan 07,2016 12:50	Leave Location		--	--	--	--	16.45

Did Float Hold:

Fluid Returns : No

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes