



Pumping Service Report

9204131

Client Name Anadarko Petroleum Corporation	Well Name Rusch 33-15	Rig Key 14	Job Date March 24,2015	Call Sheet 1056877
Client Representative Mr. Traux Deal	Surface Well Location NW SE Sec 15:T3N:R67W	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): --- @ --

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	33.05	8.097	9.625	0.0	519.0
4.500	11.600	J-55	4,960.0	5,350.0	102.27	4.000	5.000	0.0	6,580.0

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	0.000	J-55	--	--	--	--	0.000	6,465.000

Products

Plug 1

From Depth (ft): 6580
 To Depth (ft): 6400
 Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 50 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 14.8 (bbl)
 Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 64
 + 0.5 % of CFR-2 (Preblend),
 + 0.25 % of FMC (Preblend),
 + 0.5 % of LWA (Preblend),
 + 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6400

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201168	PICKUP	1 Ton				03/24/2015 13:00	03/24/2015 16:30
740018-1	BODY JOB	C & A				03/24/2015 13:00	03/24/2015 16:30
746506	BODY JOB	Baby Bulker				03/24/2015 13:00	03/24/2015 16:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Prigmore, Dominic (27161)	03/24/2015 13:00	03/24/2015 16:30		
Curtner, Jerry (28310)	03/24/2015 13:00	03/24/2015 16:30		
Peterson, Ryan (28158)	03/24/2015 13:00	03/24/2015 16:30		



Treatment Reports & Remarks

Treatment Report

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (<u>bbbl/min</u>)	<u>Tubular Pressure</u> (<u>psi</u>)	<u>Annular Pressure</u> (<u>psi</u>)	<u>Stage Volume</u> (<u>bbbl</u>)	<u>Total Volume</u> (<u>bbbl</u>)
1	Mar 24,2015 13:00	Arrive On Location		--	--	--	--	0.00
2	Mar 24,2015 13:50	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 24,2015 14:47	Rig in Complete		--	--	--	--	0.00
4	Mar 24,2015 14:49	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 24,2015 15:06	Pressure Test Start	Water	--	3,325.0	--	1.00	1.00
		Remarks: Pressure test						
6	Mar 24,2015 15:09	Pressure Test Complete	Water	--	3,315.0	--	--	1.00
		Remarks: Good pressure test.						
7	Mar 24,2015 15:10	Establish Circulation	Water	1.50	900.0	--	4.00	5.00
		Remarks: Circulation achieved throughout						
8	Mar 24,2015 15:16	Mix Cement	0-1-0 G	--	--	--	--	5.00
		Remarks: Batch mixed.						
9	Mar 24,2015 15:29	Pump	0-1-0 G	2.00	300.0	--	14.80	19.80
		Remarks: T.O.C 6400'						
10	Mar 24,2015 15:37	Displace Fluid	Water	2.00	400.0	--	22.00	41.80
		Remarks: Displaced fluid. Leaving 3 bbls in tubing						
11	Mar 24,2015 15:50	Job Complete		--	--	--	--	41.80
12	Mar 24,2015 16:30	Leave Location		--	--	--	--	41.80

Did Float Hold:

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

57717



Pumping Service Report

9203835

Client Name Anadarko Petroleum Corporation	Well Name Rusch 33-15	Rig Key 14	Job Date March 25,2015	Call Sheet 1056889
Client Representative Mr. Traux Deal	Surface Well Location NW SE Sec 15:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Maguire, Matthew (26325)

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)
9.000	--	--	--	--	--

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	33.05	8.097	9.625	0.0	519.0
4.500	11.600	J-55	4,960.0	5,350.0	121.62	4.000	5.000	0.0	7,825.0

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	14.940	1.995	2.910	0.000	3,865.000

Products

Plug 1

From Depth (ft): 3865

To Depth (ft): 3090

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 230 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 47.1 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 3090

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22



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				03/25/2015 08:00	03/25/2015 11:00
740018-1	BODY JOB	C & A				03/25/2015 08:00	03/25/2015 11:00
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	03/25/2015 08:00	03/25/2015 11:00

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 (26325)	03/25/2015 08:00	03/25/2015 11:00		
Bailey, Steven (29186)	03/25/2015 08:00	03/25/2015 11:00		
Phillips, James (23627)	03/25/2015 08:00	03/25/2015 11:00		

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	Mar 25,2015 08:00	Arrive On Location		--	--	--	--	0.00
		Remarks: Signed in at company dog house, checked in with company rep Mr. Traux Deal.						
2	Mar 25,2015 08:15	Tailgate Meeting		--	--	--	--	0.00
		Remarks: Filled out JSA.						
3	Mar 25,2015 08:30	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Mar 25,2015 08:50	Rig in Complete		--	--	--	--	0.00
5	Mar 25,2015 08:55	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Mar 25,2015 09:00	STEACS Briefing		--	--	--	--	0.00
7	Mar 25,2015 09:15	Sign-off on Safety		--	--	--	--	0.00
8	Mar 25,2015 09:19	Start - Fluid	Water	3.00	1,000.0	--	1.00	1.00
		Remarks: Filled lines.						
9	Mar 25,2015 09:20	Pressure Test Start	Water	--	3,500.0	--	--	1.00
10	Mar 25,2015 09:21	Pressure Test Complete	Water	--	3,500.0	--	--	1.00
		Remarks: All lines held pressure.						
11	Mar 25,2015 09:22	Establish Circulation	Water	3.00	1,400.0	--	5.00	6.00
		Remarks: We had circulation.						
12	Mar 25,2015 09:24	Pump Preflush	Water	3.00	1,800.0	--	20.00	26.00
		Remarks: Water + 350lbs SMS.						
13	Mar 25,2015 09:31	Pump Spacer	Water	3.00	850.0	--	5.00	31.00
		Remarks: Fresh water spacer.						
14	Mar 25,2015 09:34	Mix Cement	0-1-0 G	3.00	750.0	--	47.10	78.10
		Remarks: WR=4.98,						
15	Mar 25,2015 09:55	Displace Fluid	Water	3.00	1,000.0	--	12.00	90.10
		Remarks: Left 3 bbls on top of retainer.						
16	Mar 25,2015 10:00	Stop		--	--	--	--	90.10
17	Mar 25,2015 10:10	Wash	Water	1.50	100.0	--	20.00	90.10
18	Mar 25,2015 10:35	Rig Out		--	--	--	--	90.10
		Remarks: Revisit JSA.						
19	Mar 25,2015 10:50	Pre-Departure Meeting		--	--	--	--	90.10
20	Mar 25,2015 10:55	Job Complete		--	--	--	--	90.10
21	Mar 25,2015 11:00	Leave Location		--	--	--	--	90.10
		Remarks: Revisit JSA, leave location safely.						

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

9203786

Client Name Anadarko Petroleum Corporation	Well Name Rusch 33-15	Rig Key 14	Job Date March 26,2015	Call Sheet 1056908
Client Representative Mr. Traux Deal	Surface Well Location NW SE Sec 15:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Douglass, Brian (23898)

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)
9.000	--	--	--	517.000	900.000

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	0.000		--	--	--	--	--	0.0	517.0
4.500	11.600		--	--	--	--	--	0.0	900.0

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	1,020.000

Products

Plug 1

From Depth (ft): 200

To Depth (ft): 1020

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 220 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 52 (bbl)

Water Temperature(°F) = 40 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 76

- + 0.4 % of CDF-4P (Preblend),
- + 0.25 lb/sack of Polyflake (Preblend),
- + 0.5 % of CaCl2 (Preblend),
- + 0.3 % of CFL-3 (Preblend),
- + 0.3 % of CFR-2 (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 200

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22



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				03/26/2015 07:00	03/26/2015 09:45
740067	BODY JOB	C & A				03/26/2015 07:00	03/26/2015 09:45
446171	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	03/26/2015 07:00	03/26/2015 09:45
201235	PICKUP	1/2 Ton				03/26/2015 07:00	03/26/2015 09:45

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Douglass, Brian (23898)	03/26/2015 07:00	03/26/2015 09:45		
McMartin, Granite (22138)	03/26/2015 07:00	03/26/2015 09:45		
Johnson, Jakob (30073)	03/26/2015 07:00	03/26/2015 09:45		
Hardwick, Waco (23203)	03/26/2015 07:00	03/26/2015 09:45		



Treatment Reports & Remarks

Treatment Report

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> <u>(bbl/min)</u>	<u>Tubular Pressure</u> <u>(psi)</u>	<u>Annular Pressure</u> <u>(psi)</u>	<u>Stage Volume</u> <u>(bbl)</u>	<u>Total Volume</u> <u>(bbl)</u>
1	Mar 26,2015 07:00	Arrive On Location		--	--	--	--	0.00
2	Mar 26,2015 07:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 26,2015 07:40	Rig in Complete		--	--	--	--	0.00
4	Mar 26,2015 08:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 26,2015 08:19	Pressure Test Start		--	1,500.0	--	--	0.00
6	Mar 26,2015 08:21	Pressure Test Complete		--	--	--	--	0.00
7	Mar 26,2015 08:23	Pump	Water	3.00	300.0	--	10.00	0.00
		Remarks: with sapp						
8	Mar 26,2015 08:26	Pump	Water	3.00	300.0	--	20.00	0.00
9	Mar 26,2015 08:33	Pump	0:1:0 Type III	3.00	350.0	--	52.00	0.00
10	Mar 26,2015 08:59	Stop		--	--	--	--	0.00
		Remarks: wash lines						
11	Mar 26,2015 09:03	Displace Fluid	Water	1.00	200.0	--	1.50	0.00
12	Mar 26,2015 09:10	Rig Out		--	--	--	--	0.00
13	Mar 26,2015 09:40	Job Complete		--	--	--	--	0.00
14	Mar 26,2015 09:45	Leave Location		--	--	--	--	0.00

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
 57831
 57830