



Pumping Service Report

9202431

Client Name Anadarko Petroleum Corporation	Well Name Thomason X16 - 3	Rig Excel 9	Job Date January 21,2015	Call Sheet 1053915
Client Representative Mr. Jose Cruz	Surface Well Location NE NW Sec 16:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Ripka, Robert (23825)

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)
3.500	7.700		--	--	--	--	--	0.0	6,920.0
3.500	7.700		--	--	--	--	--	0.0	4,700.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.063	3.250		--	--	--	--	0.000	6,920.000
2.063	3.250		--	--	--	--	0.000	4,700.000

Products

Plug 1

From Depth (ft): 6920
To Depth (ft): 6390
Plug Type : Abandonment
Acids/Blends/Fluids :
Plug: 20 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 5.4 (bbl)
Water Temperature(°F) = 33 , Bulk Temperature(°F) = 23 , Slurry Temperature(°F) = 56
+ 0.5 % of CFR-2 (Preblend),
+ 0.25 % of FMC (Preblend),
+ 0.25 % of Polyflake (Preblend)

Plug 2

From Depth (ft): 4700
To Depth (ft): 4160
Plug Type : Abandonment
Acids/Blends/Fluids :
Plug: 25 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 5 (bbl)
Water Temperature(°F) = 32 , Bulk Temperature(°F) = 27 , Slurry Temperature(°F) = 56
+ 0.5 % of CFR-2 (Preblend),
+ 0.2 % of FMC (Preblend),
+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 05, 2015 15:14



Pumping Service Report

9202431

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				01/21/2015 12:45	01/21/2015 18:05
740018-1	BODY JOB	C & A				01/21/2015 12:45	01/21/2015 18:05
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	01/21/2015 12:45	01/21/2015 18:05
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Ripka, Robert (23825)	01/21/2015 12:45	01/21/2015 18:05					
Spirek, Matthew (26921)	01/21/2015 12:45	01/21/2015 18:05					
Bailey, Steven (29186)	01/21/2015 12:45	01/21/2015 18:05					
Phillips, James (23627)	01/21/2015 12:45	01/21/2015 18:05					
Tylo, Christopher (29799)	01/21/2015 12:45	01/21/2015 18:05					



Pumping Service Report

9202431

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 21,2015 12:45	Arrive On Location		--	--	--	--	0.00
2	Jan 21,2015 12:50	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jan 21,2015 13:48	Rig in Complete		--	--	--	--	0.00
4	Jan 21,2015 14:25	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jan 21,2015 14:58	Pressure Test Start		--	3,000.0	--	--	0.00
6	Jan 21,2015 15:00	Pressure Test Complete		--	--	--	--	0.00
7	Jan 21,2015 15:03	Establish Circulation	Water	1.00	500.0	--	2.00	2.00
8	Jan 21,2015 15:14	Mix Cement	Thermal 35	2.00	1,100.0	--	5.00	7.00
Remarks: 20 SKS								
9	Jan 21,2015 15:18	Displace Fluid	Water	2.00	900.0	--	18.60	25.60
10	Jan 21,2015 15:25	Stop		--	--	--	--	25.60
11	Jan 21,2015 16:58	Establish Circulation	Water	2.00	300.0	--	2.00	2.00
12	Jan 21,2015 17:00	Pressure Test		--	2,400.0	--	--	2.00
13	Jan 21,2015 17:02	Pressure Test Complete		--	--	--	--	2.00
14	Jan 21,2015 17:04	Mix Cement	0-1-0 G	2.60	1,200.0	--	5.00	7.00
Remarks: 25 SKS								
15	Jan 21,2015 17:07	Displace Fluid	Water	2.60	1,200.0	--	12.00	19.00
16	Jan 21,2015 18:00	Job Complete		--	--	--	--	19.00
17	Jan 21,2015 18:05	Leave Location		--	--	--	--	19.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Water

Volume (bbl) : 44

Temperature (°F) : 67

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

55188

55189



Pumping Service Report

9202456

Client Name Anadarko Petroleum Corporation	Well Name Thomason X 16 - 3	Rig Xcel 9	Job Date January 23,2015	Call Sheet 1054046
Client Representative Mr. Jose Cruz	Surface Well Location NE NW Sec 16:T2N:R65W	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)
12.250	--	--	--	0.000	1,051.000

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	1,040.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.063	3.250		--	--	--	--	0.000	1,051.000

Products

Plug 1

From Depth (ft): 690

To Depth (ft): 1051

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 200 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 47 (bbl)

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

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

Fluid & Cement Data

Expected Cement Top: Depth (ft): 690

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 14:34



Pumping Service Report

9202456

Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
200868	PICKUP	3/4 Ton				01/23/2015 12:00	01/23/2015 14:15
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/23/2015 12:00	01/23/2015 14:15
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	01/23/2015 12:00	01/23/2015 14:15
200910	PICKUP	1/2 Ton				01/23/2015 12:00	01/23/2015 14:15

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Douglass, Brian (23898)	01/23/2015 12:00	01/23/2015 14:15		
Hansen, Ted (29055)	01/23/2015 12:00	01/23/2015 14:15		
Johnson, Jakob (30073)	01/23/2015 12:00	01/23/2015 14:15		
Spirek, Matthew (26921)	01/23/2015 12:00	01/23/2015 14:15		

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 23,2015 12:00	Arrive On Location		--	--	--	--	0.00
2	Jan 23,2015 12:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jan 23,2015 12:30	Rig in Complete		--	--	--	--	0.00
4	Jan 23,2015 12:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jan 23,2015 12:50	Pressure Test Start		--	1,000.0	--	--	0.00
6	Jan 23,2015 12:51	Pressure Test Complete		--	--	--	--	0.00
7	Jan 23,2015 12:52	Pump Preflush	Water	2.00	100.0	--	5.00	0.00
8	Jan 23,2015 12:55	Pump Preflush	Water	2.00	150.0	--	10.00	0.00
		Remarks: with sapp						
9	Jan 23,2015 13:00	Pump Preflush	Water	2.00	200.0	--	5.00	0.00
10	Jan 23,2015 13:04	Pump	0:1:0 Type III	2.00	400.0	--	47.00	0.00
11	Jan 23,2015 13:30	Displace Fluid	Water	2.00	50.0	--	2.00	0.00
12	Jan 23,2015 13:35	Rig Out		--	--	--	--	0.00
13	Jan 23,2015 14:00	Job Complete		--	--	--	--	0.00
14	Jan 23,2015 14:15	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

55239



Pumping Service Report

9193242

Client Name Anadarko Petroleum Corporation	Well Name Thomason X 16 - 3	Rig Xcel 9	Job Date January 26,2015	Call Sheet 1054226
Client Representative Mr. Jose Cruz	Surface Well Location NE NW Sec 16:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Contreras, Bennie (23469)

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	5.09	8.097	9.625	0.0	80.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.063	3.250	J-55	--	0.240	--	--	0.000	80.000

Products

Plug 1

From Depth (ft): 0

To Depth (ft): 80

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 50 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 15.5 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 75
+ 0.25 % 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	--	--	--	--	Oct 08, 2014 14:34

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Bridge Plug	80.000	Third Party



Pumping Service Report

9193242

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>
449095	TRAILER	Utility Trailer	201168	PICKUP	1 Ton	01/26/2015 14:00	01/26/2015 16:20
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	01/26/2015 14:00	01/26/2015 16:20
746508	BODY JOB	Baby Bulker				01/26/2015 14:00	01/26/2015 16:20
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Contreras, Bennie (23469)	01/26/2015 14:00	01/26/2015 16:20					
Cox, Brandon (27419)	01/26/2015 14:00	01/26/2015 16:20					
Dunsbergen, Scott (29737)	01/26/2015 14:00	01/26/2015 16:20					
Allen, Mark (29987)	01/26/2015 14:00	01/26/2015 16:20					

**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 26,2015 15:14	Displace Fluid	Water	1.00	45.0	--	0.50	0.50
		Remarks: Displace .5 BBL of water.						
2	Jan 26,2015 14:00	Arrive On Location		--	--	--	--	0.50
		Remarks: Arrived.						
3	Jan 26,2015 14:10	Crew Briefing (Rig in)		--	--	--	--	0.50
4	Jan 26,2015 14:25	Rig in Complete		--	--	--	--	0.50
		Remarks: Rig in complete.						
5	Jan 26,2015 14:26	Crew Briefing (Pre Job)		--	--	--	--	0.50
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.						
6	Jan 26,2015 14:53	Pressure Test Start		--	1,000.0	--	--	0.50
		Remarks: Pressure test 1000 psi.						
7	Jan 26,2015 14:55	Pressure Test Complete		--	--	--	--	0.50
		Remarks: Test complete.						
8	Jan 26,2015 14:57	Establish Circulation	Water	1.80	45.0	--	2.00	2.50
		Remarks: Establish circulation.						
9	Jan 26,2015 15:05	Mix Cement	Control Set C	1.00	50.0	--	15.50	18.00
		Remarks: 15.5 BBLs of cement @ 13.5 lb/gal.						
10	Jan 26,2015 15:14	Displace Fluid	Water	1.00	45.0	--	0.50	18.50
		Remarks: 1 BBL of displacement.						
11	Jan 26,2015 15:55	Rig Out		--	--	--	--	18.50
		Remarks: Rig down.						
12	Jan 26,2015 16:00	Job Complete		--	--	--	--	18.50
		Remarks: Job complete.						
13	Jan 26,2015 16:20	Leave Location		--	--	--	--	18.50
		Remarks: Leave.						

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 10

Temperature (°F) : 78

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet NumberMaterial Transfer Sheet Number

55902