



**Pumping
Service Report**

9200657

Client Name Anadarko Petroleum Corporation	Well Name PSC 32 - 9	Rig Basic 1549	Job Date November 04, 2014	Call Sheet 1049892
Client Representative Mr. Larry Webb	Surface Well Location SW NE Sec 9:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

Well Profile

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	j	--	--	--	--	--	0.0	6,820.0

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	0.000	J-55	--	--	--	--	0.000	6,820.000

Products

Plug 1

From Depth (ft): 6150
To Depth (ft): 6820
Plug Type : Abandonment
Acids/Blends/Fluids :
Plug: 25 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 6.72 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80
+ 0.5 % of CFR-2 (Preblend),
+ 0.25 % of FMC (Preblend)

Plug 2

From Depth (ft):
To Depth (ft):
Plug Type : N/A
Acids/Blends/Fluids :

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

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	3.500	Sanjel



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9200657

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				11/04/2014 11:00	11/04/2014 13:30
740004	BODY JOB	C & A				11/04/2014 11:00	11/04/2014 13:30
446084	TRAILER	Bulker	746084	TRACTOR	Tandem - Tractor	11/04/2014 11:00	11/04/2014 13:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Hall, Andrew J	11/04/2014 11:00	11/04/2014 13:30		
Cheal, Samuel	11/04/2014 11:00	11/04/2014 13:30		
Laeger, Kacey	11/04/2014 11:00	11/04/2014 13:30		

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	Nov 04, 2014 10:45	Arrive On Location	---	--	--	--	--	0.00
2	Nov 04, 2014 11:00	Tailgate Meeting	---	--	--	--	--	0.00
3	Nov 04, 2014 11:10	STEACS Briefing	---	--	--	--	--	0.00
4	Nov 04, 2014 11:15	Rig In	---	--	--	--	--	0.00
5	Nov 04, 2014 11:30	Safety Meeting	---	--	--	--	--	0.00
6	Nov 04, 2014 11:45	Sign-off on Safety	---	--	--	--	--	0.00
7	Nov 04, 2014 11:48	Pressure Test	Water	1.00	3,000.0	--	3.00	3.00
8	Nov 04, 2014 11:52	Pump	Thermal 35	2.00	1,600.0	--	6.72	9.72
9	Nov 04, 2014 11:55	Displace Fluid	Water	2.00	1,800.0	--	18.32	28.04
10	Nov 04, 2014 12:15	Wash	Water	2.00	22.0	--	10.00	38.04
11	Nov 04, 2014 12:45	Rig Out	---	--	--	--	--	38.04
12	Nov 04, 2014 13:00	Job Complete	---	--	--	--	--	38.04
13	Nov 04, 2014 13:10	Pre-Departure Meeting	---	--	--	--	--	38.04
14	Nov 04, 2014 13:30	Leave Location	---	--	--	--	--	38.04

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

54868

54867



**Pumping
Service Report**

9200658

Client Name Anadarko Petroleum Corporation	Well Name PSC 32 - 9	Rig Basic 1549	Job Date November 04, 2014	Call Sheet 1049892
Client Representative Mr. Larry Webb	Surface Well Location SW NE Sec 9:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

Well Profile

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	j55	--	--	--	--	--	0.0	4,200.0

Products

Plug 1

From Depth (ft):
To Depth (ft):
Plug Type : N/A
Acids/Blends/Fluids :

Plug 2

From Depth (ft): 3600
To Depth (ft): 4200
Plug Type : Abandonment
Acids/Blends/Fluids :

Plug: 280 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 57.34 (bbl)
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80
+ 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: --

Wellbore Fluid

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

Attachment & Tools

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	3.500	Sanjel



**Pumping
Service Report**

9200658

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				11/04/2014 14:00	11/04/2014 18:00
740004	BODY JOB	C & A				11/04/2014 14:00	11/04/2014 18:00
446084	TRAILER	Bulker	746084	TRACTOR	Tandem - Tractor	11/04/2014 14:00	11/04/2014 18:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Hall, Andrew J	11/04/2014 14:00	11/04/2014 18:00		
Cheal, Samuel	11/04/2014 14:00	11/04/2014 18:00		
Laeger, Kacey	11/04/2014 14:00	11/04/2014 18:00		

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	Nov 04, 2014 14:00	Arrive On Location	---	--	--	--	--	0.00
2	Nov 04, 2014 14:15	Tailgate Meeting	---	--	--	--	--	0.00
3	Nov 04, 2014 14:20	STEACS Briefing	---	--	--	--	--	0.00
4	Nov 04, 2014 14:45	Rig In	---	--	--	--	--	0.00
5	Nov 04, 2014 15:15	Safety Meeting	---	--	--	--	--	0.00
6	Nov 04, 2014 15:30	Sign-off on Safety	---	--	--	--	--	0.00
7	Nov 04, 2014 15:35	Pressure Test	Water	1.00	3,000.0	--	4.00	4.00
8	Nov 04, 2014 15:40	Pump Preflush	Water	3.50	1,500.0	--	20.00	24.00
		Remarks: SMS						
9	Nov 04, 2014 15:50	Pump	Water	3.50	1,200.0	--	5.00	29.00
10	Nov 04, 2014 15:56	Pump	0-1-0 G	4.00	1,200.0	--	57.34	86.34
11	Nov 04, 2014 16:13	Drop Plug	---	--	--	--	--	86.34
12	Nov 04, 2014 16:15	Displace Fluid	Water	4.00	1,500.0	--	33.00	119.34
13	Nov 04, 2014 16:45	Wash	Water	2.00	22.0	--	5.00	124.34
14	Nov 04, 2014 17:15	Rig Out	---	--	--	--	--	124.34
15	Nov 04, 2014 17:40	Job Complete	---	--	--	--	--	124.34
16	Nov 04, 2014 17:50	Pre-Departure Meeting	---	--	--	--	--	124.34
17	Nov 04, 2014 18:00	Leave Location	---	--	--	--	--	124.34

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



Pumping Service Report

9199274

Client Name Anadarko Petroleum Corporation	Well Name PSC 32 - 9	Rig Basic 1549	Job Date November 05, 2014	Call Sheet 1049948
Client Representative Mr. Larry Webb	Surface Well Location SW NE Sec 9:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

Well Profile

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	40.000	0.000	--	--	--

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	22.16	8.097	9.625	0.0	348.0
	3.500	7.700	---	--	--	--	--	--	0.0	750.0

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	--	2.530	--	--	0.000	850.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Tail: 290 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 68.7 (bbl)
Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55
+ 0.25 lb/sack of Polyflake (Preblend),
+ 0.5 % of CaCl2 (Preblend),
+ 0.3 % of CFR-2 (Preblend),
+ 0.3 % of CFL-3 (Preblend),
+ 0.4 % of CDF-4P (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



**Pumping
Service Report**

9199274

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>
201017	PICKUP	1 Ton				11/05/2014 10:30	11/05/2014 14:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	11/05/2014 10:30	11/05/2014 14:00
446084	TRAILER	Bulker	746084	TRACTOR	Tandem - Tractor	11/05/2014 10:30	11/05/2014 14:00

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	11/05/2014 10:30	11/05/2014 14:00		
Douglass, Brian	11/05/2014 10:30	11/05/2014 14:00		
Doran, Benjamin	11/05/2014 10:30	11/05/2014 14:00		
Pigg, Martin	11/05/2014 10:30	11/05/2014 14:00		
Tylo, Christopher	11/05/2014 10:30	11/05/2014 14:00		
Melgarejo Herrera, Eduardo	11/05/2014 10:30	11/05/2014 14:00		

Treatment Reports & Remarks



**Pumping
Service Report**

9199274

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	Nov 05,2014 10:30	Arrive On Location	---	--	--	--	--	0.00
2	Nov 05,2014 10:40	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: Filled out JSA.						
3	Nov 05,2014 11:00	Rig In	---	--	--	--	--	0.00
4	Nov 05,2014 11:45	STEACS Briefing	---	--	--	--	--	0.00
5	Nov 05,2014 11:55	Sign-off on Safety	---	--	--	--	--	0.00
6	Nov 05,2014 11:59	Start - Fluid	Water	1.00	120.0	--	1.00	1.00
		Remarks: Filled lines.						
7	Nov 05,2014 12:00	Pressure Test Lines	---	--	2,000.0	--	--	1.00
8	Nov 05,2014 12:01	Establish Circulation	Water	2.00	250.0	--	10.00	11.00
		Remarks: Had to stop and chain tubing down as it started to come out of hole.						
9	Nov 05,2014 12:21	Pump Preflush	Water	2.00	900.0	--	10.00	21.00
		Remarks: 100# SAPP						
10	Nov 05,2014 12:30	Pump Spacer	Water	2.00	250.0	--	10.00	31.00
		Remarks: Fresh water spacer.						
11	Nov 05,2014 12:35	Mix Cement	0:1:0 Type III	2.00	560.0	--	68.70	99.70
		Remarks: 43.6 bbls mix h2o.						
12	Nov 05,2014 13:09	Displace Fluid	Water	1.80	304.0	--	1.50	101.20
13	Nov 05,2014 13:10	Stop	---	--	--	--	--	101.20
14	Nov 05,2014 13:15	Wash	Water	1.50	100.0	--	20.00	101.20
15	Nov 05,2014 13:50	Rig Out	---	--	--	--	--	101.20
16	Nov 05,2014 13:55	Pre-Departure Meeting	---	--	--	--	--	101.20
17	Nov 05,2014 13:57	Job Complete	---	--	--	--	--	101.20
18	Nov 05,2014 13:59	Leave Location	---	--	--	--	--	101.20

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

54880

Comments To Service Report

Arrive location, tailgate meeting & JSA, spot trucks, rig-in, STEACS< sign off on safety, fill lines w/ 1 bbl, PT 2000psi, 10 bbls fresh ahead, 10 bbls + SAPP, 10 bbls fresh water spacer, 68.7 bbls slurry @ 14.8 density, 1.5 bbls displacement, stop, wash up, rig-out, pre departure meeting, leave location safely. Had to shut down after pumping 1.25 bbls of fresh ahead to chain down tubing as it started to lift @400psi & 1 bbl/min rate. We no further issues.