



Cementing Service Report

9209970

Client Name Anadarko Petroleum Corporation	Well Name Brand #2	Rig Basic 1524	Job Date February 25,2016	Call Sheet 1065314
Client Representative Mr. Nick Lang	Surface Well Location SE SW Sec 29:T2N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Hansen, Kevin (27592)

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)
8.000	--	157.000	4,139.000	--	--

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	10.00	8.097	9.625	0.0	157.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
3.500	9.300		--	--	--	--	0.000	4,139.000

Products

Plug 1

From Depth (ft): 3848

To Depth (ft): 4139

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 85 Sacks of 85% Class A / 15% Poz (1-5-0 A), Density = 15.8 lb/gal, Volume Pumped = 18 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 61 , Slurry Temperature(°F) = 69

- + 0.5 % of CFR-2 (Preblend),
- + 0.2 % of ASM-3 (Preblend),
- + 0.5 % of LWA (Preblend),
- + 0.25 lb/sack of LCL-7 (Preblend)

Plug 2

From Depth (ft): 0

To Depth (ft): 1030

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 365 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 86.5 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 69

- + 0.25 lb/sack of LCL-7 (Preblend),
- + 0.5 % of CaCl2 (Preblend),
- + 0.3 % of CFR-2 (Preblend),
- + 0.3 % of CFL-3 (Preblend),
- + 0.4 % of CDF-4P (Preblend)



9209970

Fluid & Cement Data

Expected Cement Top: Surface

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 Based Mud	--	--	--	--	Feb 25, 2016 13:02

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	449087	TRAILER	Utility Trailer	02/25/2016 19:00	02/26/2016 16:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	02/25/2016 19:00	02/26/2016 16:30
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	02/25/2016 19:00	02/26/2016 16:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Hansen, Kevin (27592)	02/25/2016 19:00	02/26/2016 16:30		
Hansen, Ted (29055)	02/25/2016 19:00	02/26/2016 16:30		
Melgarejo Herrera, Eduardo (26606)	02/25/2016 19:00	02/26/2016 16:30		

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	Feb 25,2016 19:00	Arrive On Location		--	--	--	--	0.00
2	Feb 25,2016 19:10	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Discussed spotting trucks and filled out JSA.						
3	Feb 26,2016 05:45	Rig in Complete		--	--	--	--	0.00
4	Feb 26,2016 06:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Discussed upcoming job and safety concerns with rig crew.						
5	Feb 26,2016 06:25	Pressure Test Start	Water	2.00	250.0	--	2.00	0.00
		Remarks: Filled lines for pressure test.						
6	Feb 26,2016 06:28	Pressure Test Complete		--	2,500.0	--	--	0.00
		Remarks: Pressure test good.						
7	Feb 26,2016 06:29	Establish Circulation	Water	3.00	400.0	--	5.00	5.00
8	Feb 26,2016 06:30	Pump Preflush	Water	3.00	450.0	--	20.00	25.00
		Remarks: Pumped SMS						
9	Feb 26,2016 06:42	Pump Spacer	Water	3.00	450.0	--	5.00	30.00
		Remarks: Fresh water spacer.						
10	Feb 26,2016 06:44	Mix Cement	0-1-0 G	3.00	400.0	--	17.50	47.50
		Remarks: D-15.8, Y-1.15, WR-4.98						
11	Feb 25,2016 19:00	Mix Cement		--	--	--	--	47.50
		Remarks: Weigh slurry to verify density and retain sample.						
12	Feb 26,2016 06:50	Displace Fluid	Water	3.00	300.0	--	33.00	80.50
13	Feb 26,2016 07:00	Job Complete		--	--	--	--	80.50
14	Feb 25,2016 14:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Discussed 2nd plug job and went over safety concerns with rig crew.						
15	Feb 25,2016 19:00	Pressure Test	Water	2.00	2,000.0	--	3.00	3.00
		Remarks: Fill lines and do pressure test. Pressure test good.						
16	Feb 26,2016 15:02	Establish Circulation	Water	3.00	125.0	--	5.00	8.00
17	Feb 26,2016 15:04	Pump Preflush	Water	3.00	150.0	--	10.00	18.00
		Remarks: Pumped SAPP						
18	Feb 26,2016 15:08	Pump Spacer	Water	3.00	150.0	--	20.00	38.00
		Remarks: Fresh water spacer.						
19	Feb 26,2016 15:15	Mix Cement	0:1:0 Type III	3.00	150.0	--	86.00	124.00
		Remarks: D-14.8, Y-1.33, WR-6.31						
20	Feb 26,2016 15:18	Mix Cement		--	--	--	--	80.50
		Remarks: Weigh slurry to verify density and retain sample.						
21	Feb 26,2016 15:40	Displace Fluid	Water	2.00	100.0	--	0.50	124.50
22	Feb 26,2016 15:42	Wash		--	--	--	--	124.50
23	Feb 26,2016 16:05	Rig Out		--	--	--	--	124.50
24	Feb 26,2016 16:25	Pre-Departure Meeting		--	--	--	--	124.50
		Remarks: Discussed journey management.						
25	Feb 26,2016 16:35	Leave Location		--	--	--	--	80.50

Treatment Reports & Remarks

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

64860

64861



Cementing Service Report

9210895

Client Name Anadarko Petroleum Corporation	Well Name Brand #2	Rig Basic 1524	Job Date February 29, 2016	Call Sheet 1065378
Client Representative Mr. Nick Lang	Surface Well Location SE SW Sec 29:T2N:R66W	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										
	<u>Size (in)</u>	<u>Excess (%)</u>	<u>TMD From (ft)</u>	<u>TMD To (ft)</u>	<u>TVD From (ft)</u>	<u>TVD To (ft)</u>				
	8.000	40.000	158.000	252.000	--	--				
Casing										
	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>
	(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
	8.625	24.000	J-55	1,370.0	2,950.0	10.06	8.097	9.625	0.0	158.0
	3.500	9.300		--	--	--	--	--	0.0	252.0

Products										
Plug 1										
From Depth (ft):		252								
To Depth (ft):		0								
Plug Type :		Abandonment								
Acids/Blends/Fluids :										
		Plug: 85 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 20.1 (bbl)								
		Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65								
		+ 0.5 % of CaCl ₂ (Preblend),								
		+ 0.3 % of CFR-2 (Preblend),								
		+ 0.3 % of CFL-3 (Preblend),								
		+ 0.4 % of CDF-4P (Preblend),								
		+ 0.25 lb/sack of Polyflake (Preblend)								

Fluid & Cement Data					
Expected Cement Top:		Surface			
Wellbore Fluid					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water Based Mud	--	--	--	--	Feb 25, 2016 13:02

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>
200925	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	02/29/2016 10:30	02/29/2016 13:30
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	02/29/2016 10:30	02/29/2016 13:30
746089	TRACTOR	Tandem - Tractor				02/29/2016 10:30	02/29/2016 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>
Maguire, Matthew (26325)	02/29/2016 10:30	02/29/2016 13:30					
Leue, David (28684)	02/29/2016 10:30	02/29/2016 13:30					
McGinness, Matthew (30710)	02/29/2016 10:30	02/29/2016 13:30					

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	Feb 29,2016 10:30	Arrive On Location		--	--	--	--	0.00
	Remarks: Signed in at lease entrance.							
2	Feb 29,2016 10:40	Tailgate Meeting		--	--	--	--	0.00
	Remarks: JSA.							
3	Feb 29,2016 10:50	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Feb 29,2016 11:15	Rig in Complete		--	--	--	--	0.00
5	Feb 29,2016 11:20	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Feb 29,2016 11:30	STEACS Briefing		--	--	--	--	0.00
7	Feb 29,2016 11:40	Sign-off on Safety		--	--	--	--	0.00
8	Feb 29,2016 11:49	Start - Fluid		2.00	50.0	--	1.00	1.00
	Remarks: Filled lines with water.							
9	Feb 29,2016 11:50	Pressure Test Start		--	1,000.0	--	--	1.00
10	Feb 29,2016 11:51	Pressure Test Complete		--	1,000.0	--	--	1.00
	Remarks: All lines held pressure.							
11	Feb 29,2016 11:52	Establish Circulation		2.00	40.0	--	5.00	6.00
	Remarks: Established circulation with water.							
12	Feb 29,2016 11:55	Mix Cement	0:1:0 Type III	2.00	50.0	--	20.10	26.10
	Remarks: WR=6.31,							
13	Feb 29,2016 12:05	Displace Fluid		2.00	50.0	--	1.00	27.10
	Remarks: Displaced with water.							
14	Feb 29,2016 12:07	Stop		--	--	--	--	27.10
15	Feb 29,2016 12:15	Wash		1.50	100.0	--	20.00	27.10
	Remarks: Washed wiith water.							
16	Feb 29,2016 12:45	Rig Out		--	--	--	--	27.10
	Remarks: Revisit JSA.							
17	Feb 29,2016 13:15	Pre-Departure Meeting		--	--	--	--	27.10
	Remarks: Revisit JSA, Journey Management and AAr.							
18	Feb 29,2016 13:25	Job Complete		--	--	--	--	27.10
19	Feb 29,2016 13:30	Leave Location		--	--	--	--	27.10
	Remarks: Leave location safely.							
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								
64898								



Cementing Service Report

9211404

Client Name Anadarko Petroleum Corporation	Well Name Brand #2	Rig Basic 1524	Job Date March 01, 2016	Call Sheet 1065411
Client Representative Mr. Nick Lang	Surface Well Location SE SW Sec 29:T2N:R66W	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)
8.000	--	158.000	180.000	--	--

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	10.06	8.097	9.625	0.0	158.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
3.500	9.300	J-55	7,400.000	1.380	2.992	4.180	0.000	158.500

Products

Plug 1

From Depth (ft): 0

To Depth (ft): 180

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 45 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 14.2 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 55
+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water Based Mud	--	--	--	--	Feb 25, 2016 13:02

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201025	PICKUP	1 Ton	449084	TRAILER	Utility Trailer	03/01/2016 09:45	03/01/2016 12:00
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	03/01/2016 09:45	03/01/2016 12:00
446113	TRAILER	Bulker	746113	TRACTOR	Tandem - Tractor	03/01/2016 09:45	03/01/2016 12:00
Crew and Bonuses							
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift			
Prigmore, Dominic (27161)	03/01/2016 09:45	03/01/2016 12:00					
Leue, David (28684)	03/01/2016 09:45	03/01/2016 12:00					
Sandoval, Steven (25728)	03/01/2016 09:45	03/01/2016 12:00					

Treatment Reports & Remarks								
Treatment Report								
Event #	Event Time	Event Description	Fluid Type	Rate	Tubular Pressure	Annular Pressure	Stage Volume	Total Volume
				(bbl/min)	(psi)	(psi)	(bbl)	(bbl)
1	Mar 01,2016 09:00	Arrive On Location		--	--	--	--	0.00
2	Mar 01,2016 09:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 01,2016 10:20	Rig in Complete		--	--	--	--	0.00
4	Mar 01,2016 11:03	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 01,2016 11:20	Pressure Test Start		--	2,000.0	--	--	0.00
6	Mar 01,2016 11:22	Pressure Test Complete		--	2,000.0	--	--	0.00
7	Mar 01,2016 11:22	Establish Circulation		100.00	100.0	--	20.00	20.00
8	Mar 01,2016 11:27	Mix Cement	Control Set C	3.00	150.0	--	14.20	34.20
	Remarks: Cement to surface (2.2 bbls)							
9	Mar 01,2016 11:33	Displace Fluid		1.70	86.0	--	1.00	35.20
10	Mar 01,2016 12:00	Job Complete		--	--	--	--	35.20
11	Mar 01,2016 12:20	Leave Location		--	--	--	--	35.20
Did Float Hold:		Not Applicable						
Fluid Returns :		Yes						
Type :		Cement						
Volume (bbl) :		2.2						
Temperature (°F) :		58						
FDAS Functioning Correctly :		Yes						
Was the Program Followed As Per Design? :		Yes						
Material Transfer Sheet Number								
Material Transfer Sheet Number								
64921								