



Pumping Service Report

9207927

Client Name Anadarko Petroleum Corporation	Well Name PSC 14-9-5Y	Rig Concord Well Servicing 5	Job Date August 27, 2015	Call Sheet 1060337
Client Representative Mr. Rodrigo Vierra	Surface Well Location SE SW Sec 9:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Laeger, Kacey (25046)

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)
4.500	11.600	J-55	4,960.0	5,350.0	104.91	4.000	5.000	0.0	6,750.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700	J-55	8,100.000	26.080	1.995	2.910	0.000	6,745.000

Products

Plug 1

From Depth (ft): 6313

To Depth (ft): 6745

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 25 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 6.7 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of ASM-3 (Preblend)

Plug 2

From Depth (ft): 3907

To Depth (ft): 4230

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 25 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 5 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 3907

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 02, 2015 09:59



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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>
200925	PICKUP	1 Ton				08/27/2015 08:50	08/27/2015 14:10
740004	BODY JOB	C & A				08/27/2015 08:50	08/27/2015 14:10
446171	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	08/27/2015 08:50	08/27/2015 14:10
200918	PICKUP	3/4 Ton				08/27/2015 08:50	08/27/2015 14:10
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Laeger, Kacey (25046)	08/27/2015 08:50	08/27/2015 14:10					
Crane, Troy (29924)	08/27/2015 08:50	08/27/2015 14:10					
Bark, Eric (28944)	08/27/2015 08:50	08/27/2015 14:10					
Schroeder, Stephen (25442)	08/27/2015 08:50	08/27/2015 14:10					

Treatment Reports & Remarks



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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	Aug 27,2015 08:50	Arrive On Location		--	--	--	--	0.00
2	Aug 27,2015 09:00	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Held						
3	Aug 27,2015 09:20	Rig in Complete		--	--	--	--	0.00
4	Aug 27,2015 09:35	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Held						
5	Aug 27,2015 10:36	Pressure Test Start	Water	1.00	50.0	--	1.00	1.00
		Remarks: Filled lines						
6	Aug 27,2015 10:38	Pressure Test Complete	Water	--	2,800.0	--	--	1.00
		Remarks: Lines held good						
7	Aug 27,2015 10:40	Establish Circulation	Water	3.00	900.0	--	5.00	6.00
		Remarks: Good circulation						
8	Aug 27,2015 10:42	Batch Mix	Thermal 35	--	--	--	--	6.00
		Remarks: 25skts of thermal 35 at 15.8lb/gal by mud scale						
9	Aug 27,2015 11:11	Pump	Thermal 35	2.50	650.0	--	6.50	12.50
10	Aug 27,2015 11:14	Displace Fluid	Water	2.50	360.0	--	24.00	36.50
		Remarks: Dispalce to balance plug						
11	Aug 27,2015 11:23	Finish Displacement		--	--	--	--	36.50
12	Aug 27,2015 11:30	Wait On Instructions		--	--	--	--	36.50
		Remarks: Wait for rig to pull tubing for plug number 2						
13	Aug 27,2015 12:26	Pressure Test	Water	--	2,500.0	--	--	0.00
		Remarks: Lines held good						
14	Aug 27,2015 12:28	Establish Circulation	Water	3.00	900.0	--	5.00	5.00
		Remarks: Good circulation						
15	Aug 27,2015 12:31	Batch Mix	0-1-0 G	--	--	--	--	5.00
		Remarks: 25skts of 0:1:0 G at 15.8lb/gal						
16	Aug 27,2015 12:57	Pump	0-1-0 G	3.00	830.0	--	5.00	10.00
17	Aug 27,2015 13:01	Displace Fluid	Water	3.00	500.0	--	15.00	25.00
		Remarks: Displace to balance plug						
18	Aug 27,2015 13:07	Finish Displacement		--	--	--	--	25.00
19	Aug 27,2015 13:17	Wash	Water	--	--	--	--	25.00
		Remarks: Wash pump unit						
20	Aug 27,2015 13:45	Rig Out		--	--	--	--	25.00
21	Aug 27,2015 14:00	Job Complete		--	--	--	--	36.50
22	Aug 27,2015 14:10	Leave Location		--	--	--	--	36.50

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

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Client Name Anadarko Petroleum Corporation	Well Name PSC 14-9-5Y	Rig Concord Well Servicing 5	Job Date August 28,2015	Call Sheet 1060382
Client Representative Mr. Rodrigo Vierra	Surface Well Location SE SW Sec 9:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Contreras, Bennie (23469)



Pumping Service Report

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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)
4.500	11.600	J-55	4,960.0	5,350.0	49.41	4.000	5.000	760.0	3,939.0

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	3.340	1.995	2.910	0.000	863.000

Products

Plug 1

From Depth (ft): 340

To Depth (ft): 863

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 170 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 40.3 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 74
+ 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: Depth (ft): 340

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 02, 2015 09:59

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				08/28/2015 13:30	08/28/2015 16:00
740004	BODY JOB	C & A				08/28/2015 13:30	08/28/2015 16:00
746506	BODY JOB	Baby Bulker				08/28/2015 13:30	08/28/2015 16:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Contreras, Bennie (23469)	08/28/2015 13:30	08/28/2015 16:00		
Curtner, Jerry (28310)	08/28/2015 13:30	08/28/2015 16:00		
Crane, Troy (29924)	08/28/2015 13:30	08/28/2015 16:00		



Pumping Service Report

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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	Aug 28, 2015 13:30	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived.						
2	Aug 28, 2015 13:40	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: STEACS						
3	Aug 28, 2015 13:50	Rig in Complete		--	--	--	--	0.00
		Remarks: Rig in complete.						
4	Aug 28, 2015 13:51	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.						
5	Aug 28, 2015 14:19	Pressure Test Start	Water	--	2,000.0	--	--	0.00
		Remarks: Pressure test 2000 psi.						
6	Aug 28, 2015 14:21	Pressure Test Complete		--	--	--	--	0.00
		Remarks: Test complete.						
7	Aug 28, 2015 14:22	Establish Circulation	Water	2.00	55.0	--	5.00	5.00
		Remarks: Establish circulation 5 BBLs.						
8	Aug 28, 2015 14:24	Pump Preflush	Water	2.00	55.0	--	10.00	15.00
		Remarks: 10 BBLs of SAPP.						
9	Aug 28, 2015 14:29	Pump Spacer	Water	2.00	55.0	--	20.00	35.00
		Remarks: 20 BBLs of fresh water spacer.						
10	Aug 28, 2015 14:38	Mix Cement	0:1:0 Type III	2.50	250.0	--	40.30	75.30
		Remarks: Mix and pump 40.3 BBLs of cement @ 14.8 lb/gal..						
11	Aug 28, 2015 14:57	Displace Fluid	Water	2.50	400.0	--	0.75	76.05
		Remarks: Displace .75 BBLs of water.						
12	Aug 28, 2015 15:30	Rig Out		--	--	--	--	76.05
		Remarks: Rig out.						
13	Aug 28, 2015 15:45	Job Complete		--	--	--	--	76.05
		Remarks: Job complete.						
14	Aug 28, 2015 16:00	Leave Location		--	--	--	--	76.05
		Remarks: Leave.						

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

65596

65586