



Pumping Service Report

9203698

Client Name Anadarko Petroleum Corporation	Well Name Wardell 20 - 45	Rig Concord Well Servicing 3	Job Date May 04,2015	Call Sheet 1057550
Client Representative Mr. Rigo Cintora	Surface Well Location NE SE Sec 20:T3N:R65W	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	107.86	4.000	5.000	0.0	6,940.0

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	26.830	1.995	2.910	0.000	6,940.000

Products

Plug 1

From Depth (ft): 6508

To Depth (ft): 6940

Plug Type : Abandonment

Acids/Blends/Fluids :

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

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 65

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of ASM-3 (Preblend)

Plug 2

From Depth (ft): 3920

To Depth (ft): 4800

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 60 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 12.3 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 65

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 3920

Wellbore Fluid

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



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Attachment & Tools

Down Hole Tools

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Bridge Plug	6,940.000	Third Party

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				05/04/2015 10:00	05/04/2015 13:40
740018-1	BODY JOB	C & A				05/04/2015 10:00	05/04/2015 13:40
446145	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	05/04/2015 10:00	05/04/2015 13:40

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)	05/04/2015 10:00	05/04/2015 13:40		
Leue, David (28684)	05/04/2015 10:00	05/04/2015 13:40		
Davila, Israel (28152)	05/04/2015 10:00	05/04/2015 13:40		
Decenick, Scott (30083)	05/04/2015 10:00	05/04/2015 13:40		

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	May 04,2015 10:00	Arrive On Location		--	--	--	--	0.00
2	May 04,2015 10:05	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Held						
3	May 04,2015 10:20	Rig in Complete		--	--	--	--	0.00
4	May 04,2015 10:25	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Held						
5	May 04,2015 10:57	Pressure Test Start	Water	1.00	30.0	--	1.00	1.00
		Remarks: Filled lines						
6	May 04,2015 10:59	Pressure Test Complete	Water	--	25.0	--	--	1.00
		Remarks: Lines held good						
7	May 04,2015 11:00	Establish Circulation	Water	2.00	500.0	--	5.00	6.00
		Remarks: Good circulation						
8	May 04,2015 11:03	Batch Mix	Thermal 35	--	--	--	--	6.00
		Remarks: 25sks of thermal 35 at 15.8lb/gal WR 6.23 Y 1.51						
9	May 04,2015 11:26	Pump	Thermal 35	2.00	300.0	--	6.70	12.70
10	May 04,2015 11:29	Displace Fluid	Water	2.00	350.0	--	24.90	37.60
		Remarks: Displace to balance plug						
11	May 04,2015 11:40	Finish Displacement		--	--	--	--	37.60
12	May 04,2015 11:45	Wait On Instructions		--	--	--	--	37.60
		Remarks: Wait on rig to pull up to 4800 feet						
13	May 04,2015 12:22	Pressure Test	Water	1.00	50.0	--	1.00	1.00
		Remarks: Filled lines						
14	May 04,2015 12:24	Pressure Test	Water	--	3,500.0	--	--	1.00
		Remarks: Lines held good						
15	May 04,2015 12:25	Establish Circulation	Water	2.00	350.0	--	5.00	6.00
		Remarks: Good circulation						
16	May 04,2015 12:30	Batch Mix	0-1-0 G	--	--	--	--	6.00
		Remarks: 60sks of 0:1:0 G at 15.8 lb/gal WR 4.98 Y 1.15						
17	May 04,2015 12:50	Pump	0-1-0 G	3.00	350.0	--	12.30	18.30
18	May 04,2015 12:55	Displace Fluid	Water	3.00	350.0	--	15.10	33.40
		Remarks: Displace to balance plug						
19	May 04,2015 13:00	Finish Displacement		--	--	--	--	33.40
20	May 04,2015 13:05	Wash	Water	--	--	--	15.00	33.40
		Remarks: Wash pump unit						
21	May 04,2015 13:15	Tailgate Meeting		--	--	--	--	33.40
		Remarks: Revisit JSA for rig out						
22	May 04,2015 13:25	Rig Out		--	--	--	--	33.40
23	May 04,2015 13:35	Job Complete		--	--	--	--	37.60
24	May 04,2015 13:36	Pre-Departure Meeting		--	--	--	--	37.60
		Remarks: Held						
25	May 04,2015 13:40	Leave Location		--	--	--	--	37.60



Pumping Service Report

9205954

Client Name Anadarko Petroleum Corporation	Well Name Wardell 20 - 45	Rig Concord Well Servicing 3	Job Date May 05,2015	Call Sheet 1057567
Client Representative Mr. Rigo Cintora	Surface Well Location NE SE Sec 20:T3N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Doran, Benjamin (27933)

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	--	693.000	1,280.000	--	--

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		--	--	--	--	--	0.0	693.0
4.500	11.600		--	--	--	--	--	1,280.0	1,380.0

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	5.340	1.995	2.910	0.000	1,380.000

Products

Plug 1

From Depth (ft): 1380

To Depth (ft): 177

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 340 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 80.5 (bbl)

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

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.5 % of CaCl₂ (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 177

Wellbore Fluid

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



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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>
201273	PICKUP	3/4 Ton				05/05/2015 11:00	05/05/2015 13:45
740082	BODY JOB	C & A				05/05/2015 11:00	05/05/2015 13:45
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	05/05/2015 11:00	05/05/2015 13:45
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Doran, Benjamin (27933)	05/05/2015 11:00	05/05/2015 13:45					
McMartin, Granite (22138)	05/05/2015 11:00	05/05/2015 13:45					
Hall, Austin (28887)	05/05/2015 11:00	05/05/2015 13:45					
Leon, Justin (30152)	05/05/2015 11:00	05/05/2015 13:45					



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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	May 05,2015 11:00	Arrive On Location		--	--	--	--	0.00
2	May 05,2015 11:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	May 05,2015 11:40	Rig in Complete		--	--	--	--	0.00
4	May 05,2015 11:45	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	May 05,2015 12:04	Pressure Test Start	Water	1.00	100.0	--	2.00	2.00
		Remarks: Fill Lines						
6	May 05,2015 12:05	Pressure Test Complete		--	1,500.0	--	--	2.00
		Remarks: All Lines held pressure						
7	May 05,2015 12:06	Pump Preflush	Water	3.00	250.0	--	5.00	7.00
		Remarks: 5 BBL mudflush						
8	May 05,2015 12:14	Mix Cement	0:1:0 Type III	3.00	250.0	--	80.50	87.50
		Remarks: Mix/pump 340 Sacks @ 14.8 PPG, 1.33 Yield, 6.31 Water Req						
9	May 05,2015 12:43	Displace Fluid	Water	3.00	250.0	--	1.50	89.00
10	May 05,2015 13:00	Rig Out		--	--	--	--	89.00
11	May 05,2015 13:30	Job Complete		--	--	--	--	89.00
12	May 05,2015 13:45	Leave Location		--	--	--	--	89.00

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

57446

57447