



**Pumping
Service Report**

9189346

Client Name Anadarko Petroleum Corporation	Well Name Wardell UPRR 31-29 #3	Rig Concord Well Servicing 3	Job Date September 16, 2014	Call Sheet 1047149
Client Representative Mr. Rigo Cintora	Surface Well Location NW NE Sec 29:T3N:R65W	Down Hole Well Location	Job Type Cement Misc.	

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	15.100	J-55	--	--	--	--	--	0.0	--

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	26.680	1.995	2.910	0.000	6,900.000

Products

Plug 1

From Depth (ft): 6900

To Depth (ft): 6337

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 30 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 8 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6337

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jul 18, 2014 09:56



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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	449086	TRAILER	Utility Trailer	09/16/2014 13:00	09/16/2014 15:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	09/16/2014 13:00	09/16/2014 15:30
746502	BODY JOB	Baby Bulker				09/16/2014 13:00	09/16/2014 15:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Maguire, Matthew	09/16/2014 13:00	09/16/2014 15:30		
Durham, Daniel				
Peterson, Ryan	09/16/2014 13:00	09/16/2014 15:30		
Durham, Adrian	09/16/2014 13:00	09/16/2014 15:30		

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	Sep 16,2014 13:00	Arrive On Location	---	--	--	--	--	0.00	
2	Sep 16,2014 13:10	Tailgate Meeting	---	--	--	--	--	0.00	
3	Sep 16,2014 13:20		---	--	--	--	--	0.00	
4	Sep 16,2014 13:35	Safety Meeting	---	--	--	--	--	0.00	
5	Sep 16,2014 13:45	Sign-off on Safety	---	--	--	--	--	0.00	
6	Sep 16,2014 13:53	Start - Fluid	Water	2.00	460.0	--	1.00	1.00	
		Remarks: Filled lines.							
7	Sep 16,2014 13:55	Pressure Test Lines	---	--	2,000.0	--	--	1.00	
		Remarks: All lines held pressure.							
8	Sep 16,2014 14:04	Mix Cement	Thermal 35	1.50	220.0	--	8.00	9.00	
		Remarks: 4.5 bbls mix water.							
9	Sep 16,2014 14:09	Displace Fluid	Water	2.00	295.0	--	24.40	33.40	
		Remarks: Displaced to a balanced plug.							
10	Sep 16,2014 14:22	Stop	---	--	--	--	--	33.40	
11	Sep 16,2014 14:40	Wash	Water	1.50	100.0	--	20.00	33.40	
12	Sep 16,2014 15:10	Rig Out	---	--	--	--	--	33.40	
13	Sep 16,2014 15:25	Pre-Departure Meeting	---	--	--	--	--	33.40	
14	Sep 16,2014 15:27	Job Complete	---	--	--	--	--	33.40	
15	Sep 16,2014 15:29	Leave Location	---	--	--	--	--	33.40	

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



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9198083

Client Name Anadarko Petroleum Corporation	Well Name Wardell UPRR 31-29 #3	Rig Concord Well Servicing 3	Job Date September 17, 2014	Call Sheet 1047223
Client Representative Mr. Rigo Cintora	Surface Well Location NW NE Sec 29:T3N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	

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	76.62	4.000	5.000	0.0	4,930.0

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	16.860	1.995	2.910	0.000	4,360.000

Products

Plug 1

From Depth (ft): 4200

To Depth (ft): 4930

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 470 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 96 (bbl)

Water Temperature(°F) = 63 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 65

- + 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	--	--	--	--	Jul 18, 2014 09:56

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	4,360.000	Third Party



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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				09/17/2014 06:00	09/17/2014 10:30
740018	BODY JOB	C & A				09/17/2014 06:00	09/17/2014 10:30
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	09/17/2014 06:00	09/17/2014 10:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Schneider, Patrick	09/17/2014 06:00	09/17/2014 10:30		
Curtner, Jerry	09/17/2014 06:00	09/17/2014 10:30		
Davila, Israel	09/17/2014 06:00	09/17/2014 10:30		
Lampp III, Larry	09/17/2014 06:00	09/17/2014 10:30		

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	Sep 17, 2014 06:00	Arrive On Location	---	--	--	--	--	0.00
2	Sep 17, 2014 06:05	Tailgate Meeting	---	--	--	--	--	0.00
3	Sep 17, 2014 06:15	Rig In	---	--	--	--	--	0.00
4	Sep 17, 2014 07:00	Safety Meeting	---	--	--	--	--	0.00
5	Sep 17, 2014 07:30	Sign-off on Safety	---	--	--	--	--	0.00
6	Sep 17, 2014 07:55	Pressure Test Lines	Water	--	3,500.0	--	--	0.00
		Remarks: good pressure test						
7	Sep 17, 2014 08:00	Injection Test	Water	2.00	1,000.0	--	5.00	5.00
		Remarks: good injection rate						
8	Sep 17, 2014 08:02	Pump Preflush	Water	2.00	1,000.0	--	20.00	25.00
		Remarks: well seal						
9	Sep 17, 2014 08:10	Pump Spacer	Water	2.00	700.0	--	5.00	30.00
		Remarks: fresh water spacer						
10	Sep 17, 2014 08:13	Mix Cement	0-1-0 G	2.00	900.0	--	96.00	126.00
		Remarks: tail cement @ 15.8 ppg yield = 1.15 h2o req = 4.98						
11	Sep 17, 2014 09:06	Displace Fluid	Water	2.00	1,250.0	--	13.50	139.50
		Remarks: left 3 bbl cement on top of retainer						
12	Sep 17, 2014 09:12	Finish Displacement	Water	0.00	500.0	--	--	139.50
		Remarks: ISIP 500 psi						
13	Sep 17, 2014 09:13	Pull Out Off Retainer	---	--	0.0	--	--	139.50
14	Sep 17, 2014 09:20	Rig Out	---	--	--	--	--	0.00
15	Sep 17, 2014 10:00	Job Complete	---	--	--	--	--	0.00
16	Sep 17, 2014 10:15	Pre-Departure Meeting	---	--	--	--	--	0.00
17	Sep 17, 2014 10:30	Leave Location	---	--	--	--	--	0.00



**Pumping
Service Report**

9193319

Client Name Anadarko Petroleum Corporation	Well Name Wardell UPRR 31-29 #3	Rig Concord Well Servicing 3	Job Date September 18, 2014	Call Sheet 1047276
Client Representative Mr. Rigo Cintora	Surface Well Location NE NE Sec 29:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	

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			Collapse Pressure	Internal Yield Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
Size	Weight	Grade	(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
(in)	(lb/ft)								
4.500	15.100	P-110	14,320.0	14,420.0	17.92	3.826	5.000	0.0	1,260.0

Tubing			Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
Size	Weight	Grade	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
(in)	(lb/ft)							
2.375	4.700	J-55	8,100.000	5.260	1.995	2.910	0.000	1,360.000

Products

Plug 1

From Depth (ft): 0
To Depth (ft): 1360
Plug Type: Abandonment
Acids/Blends/Fluids:

Plug: 520 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 123 (bbl)
Water Temperature(°F) = 66, Bulk Temperature(°F) = 66, Slurry Temperature(°F) = 76
+ 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	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Fluid Type					Jul 18, 2014 09:56
Water	---	---	---	---	



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Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201017	PICKUP	1 Ton				09/18/2014 07:00	09/18/2014 09:30
740018	BODY JOB	C & A				09/18/2014 07:00	09/18/2014 09:30
446075	TRAILER	Bulker	746075	TRACTOR	Tandem - Tractor	09/18/2014 07:00	09/18/2014 09:30
746508	BODY JOB	Baby Bulker				09/18/2014 07:00	09/18/2014 09:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Primore, Dominic	09/18/2014 07:00	09/18/2014 09:30		
Phillips, James	09/18/2014 07:00	09/18/2014 09:30		
Prock, Jason	09/18/2014 07:00	09/18/2014 09:30		
Pigg, Martin	09/18/2014 07:00	09/18/2014 09:30		
Bark, Eric	09/18/2014 07:00	09/18/2014 09:30		

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	Sep 18, 2014 07:00	Arrive On Location	---	--	--	--	--	0.00	
2	Sep 18, 2014 07:05	Tailgate Meeting	---	--	--	--	--	0.00	
3	Sep 18, 2014 07:20	Rig In	---	--	--	--	--	0.00	
4	Sep 18, 2014 08:05	Sign-off on Safety	---	--	--	--	--	0.00	
5	Sep 18, 2014 08:07	Safety Meeting	---	--	--	--	--	0.00	
6	Sep 18, 2014 08:08	Start - Fluid	Water	1.00	100.0	--	1.00	0.00	
		Remarks: filled lines							
7	Sep 18, 2014 08:10	Pressure Test	Water	--	1,400.0	--	--	0.00	
		Remarks: pressure test							
8	Sep 18, 2014 08:12	Pump Preflush	Water	2.50	400.0	--	10.00	0.00	
		Remarks: pumped preflush 10 bbls with circulation							
9	Sep 18, 2014 08:14	Pump Spacer	Water	2.50	400.0	--	5.00	0.00	
		Remarks: 5 bbl spacer (water)							
10	Sep 18, 2014 08:16	Pump	0:1:0 Type III	2.50	250.0	--	123.00	0.00	
		Remarks: 14.8 density							
11	Sep 18, 2014 08:55	Displace Fluid	Water	1.00	150.0	--	1.50	0.00	
		Remarks: clean lines							
12	Sep 18, 2014 09:00	Stop	---	--	--	--	--	0.00	
13	Sep 18, 2014 09:05	Wash	Water	1.00	22.0	--	13.00	0.00	
14	Sep 18, 2014 09:20	Rig Out	---	--	--	--	--	0.00	
15	Sep 18, 2014 10:00	Pre-Departure Meeting	---	--	--	--	--	0.00	
16	Sep 18, 2014 10:05	Job Complete	---	--	--	--	--	0.00	
17	Sep 18, 2014 10:15	Leave Location	---	--	--	--	--	0.00	