



Pumping Service Report

9203762

Client Name Anadarko Petroleum Corporation	Well Name Uiv Land 5 - 20	Rig ECWS 48	Job Date March 19,2015	Call Sheet 1056759
Client Representative Mr. Daniel Olmeada	Surface Well Location SW NW Sec 20:T5N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Schneider, Patrick (24093)

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	104.60	4.000	5.000	0.0	6,730.0

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	25.990	1.995	2.910	0.000	6,723.000

Products

Plug 1

From Depth (ft): 6291

To Depth (ft): 6723

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) = 60 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of ASM-3 (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6291

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 16:26

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Bridge Plug	6,730.000	Third Party



Pumping Service Report

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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>
201274	PICKUP	3/4 Ton				03/19/2015 12:00	03/19/2015 14:30
740067	BODY JOB	C & A				03/19/2015 12:00	03/19/2015 14:30
446024	TRAILER	Bulker	746024	TRACTOR	Tandem - Tractor	03/19/2015 12:00	03/19/2015 14:30

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 (24093)	03/19/2015 12:00	03/19/2015 14:30		
Davila, Israel (28152)	03/19/2015 12:00	03/19/2015 14:30		
Phillips, James (23627)	03/19/2015 12:00	03/19/2015 14:30		

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	Mar 19,2015 12:00	Arrive On Location		--	--	--	--	0.00
2	Mar 19,2015 12:05	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedure						
3	Mar 19,2015 12:20	Rig In		--	--	--	--	0.00
4	Mar 19,2015 12:30	Rig in Complete		--	--	--	--	0.00
5	Mar 19,2015 12:35	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
6	Mar 19,2015 12:50	Start - Fluid	Water	1.00	--	--	1.00	1.00
		Remarks: filled lines						
7	Mar 19,2015 12:52	Pressure Test Start	Water	--	2,000.0	--	--	1.00
8	Mar 19,2015 12:54	Pressure Test Complete		--	0.0	--	--	1.00
		Remarks: good pressure test						
9	Mar 19,2015 14:54	Pump Preflush	Water	2.00	150.0	--	5.00	6.00
		Remarks: fresh water preflush						
10	Mar 19,2015 12:58	Batch Mix	Thermal 35	--	--	--	--	6.00
		Remarks: batch mixed 25 sks to 15.8 ppg						
11	Mar 19,2015 13:07	Pump	Thermal 35	2.00	300.0	--	6.70	12.70
		Remarks: 25 sks plug cement @ 15.8 ppg yield = 1.51 h2o req = 6.23						
12	Mar 19,2015 13:10	Displace Fluid	Water	2.00	50.0	--	24.00	36.70
		Remarks: displaced to balance						
13	Mar 19,2015 13:23	Balance Plug	Water	--	0.0	--	--	36.70
14	Mar 19,2015 13:25	Wait On Instructions		--	--	--	--	36.70
		Remarks: waited for rig to pull tubing						
15	Mar 19,2015 13:41	Reverse Circulate	Water	3.00	--	1,000.0	30.00	66.70
		Remarks: reverse circulated tubing clean						
16	Mar 19,2015 13:51	Stop		--	--	--	--	66.70
17	Mar 19,2015 13:55	Tailgate Meeting		--	--	--	--	66.70
		Remarks: revisited JSA						
18	Mar 19,2015 14:00	Rig Out		--	--	--	--	66.70
19	Mar 19,2015 14:10	Wash	Water	--	--	--	--	66.70
		Remarks: washed pump and lines						
20	Mar 19,2015 14:20	Job Complete		--	--	--	--	66.70
21	Mar 19,2015 14:25	Pre-Departure Meeting		--	--	--	--	66.70
22	Mar 19,2015 14:30	Leave Location		--	--	--	--	66.70

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



Treatment Reports & Remarks

Material Transfer Sheet Number

Material Transfer Sheet Number

57754

57755



Pumping Service Report

9204183

Client Name Anadarko Petroleum Corporation	Well Name Uiv Land 5 - 20	Rig ECWS 48	Job Date March 20,2015	Call Sheet 1056792
Client Representative Mr. Daniel Olmeada	Surface Well Location SW NW Sec 20:T5N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Price, Ryan (25840)

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	--	3,680.000	3,910.000	--	--

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)
4.500	11.600		--	--	--	--	--	0.0	3,910.0

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	0.000		--	--	--	--	0.000	3,680.000

Products

Plug 1

From Depth (ft): 3487

To Depth (ft): 3910

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 100 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 21 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 3487

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 16:26

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	3,680.000	Third Party



Pumping Service Report

9204183

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				03/20/2015 08:45	03/20/2015 12:30
740004	BODY JOB	C & A				03/20/2015 08:45	03/20/2015 12:30
746502	BODY JOB	Baby Bulker				03/20/2015 08:45	03/20/2015 12:30

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Price, Ryan (25840)	03/20/2015 08:45	03/20/2015 12:30		
McMartin, Granite (22138)	03/20/2015 08:45	03/20/2015 12:30		
Hall, Austin (28887)	03/20/2015 08:45	03/20/2015 12:30		

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	Mar 20,2015 08:45	Arrive On Location		--	--	--	--	0.00
2	Mar 20,2015 09:00	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Mar 20,2015 09:50	Rig in Complete		--	--	--	--	0.00
4	Mar 20,2015 10:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Mar 20,2015 10:23	Pressure Test Start		--	2,500.0	--	--	0.00
6	Mar 20,2015 10:25	Pressure Test Complete		--	--	--	--	0.00
7	Mar 20,2015 10:26	Pump Preflush	Water	3.00	800.0	--	20.00	20.00
		Remarks: pump SMS						
8	Mar 20,2015 10:33	Pump Spacer	Water	3.00	800.0	--	5.00	25.00
9	Mar 20,2015 10:44	Mix Cement	0-1-0 G	2.50	800.0	--	21.00	46.00
10	Mar 20,2015 11:00	Pump Displacement	Water	2.00	900.0	--	11.00	57.00
11	Mar 20,2015 11:04	Stop		--	--	--	--	57.00
		Remarks: rig into back side						
12	Mar 20,2015 11:29	Reverse Circulate	Water	2.50	500.0	--	65.00	122.00
13	Mar 20,2015 11:58	Stop		--	--	--	--	122.00
14	Mar 20,2015 12:05	Rig Out		--	--	--	--	122.00
15	Mar 20,2015 12:20	Job Complete		--	--	--	--	122.00
16	Mar 20,2015 12:25	Pre-Departure Meeting		--	--	--	--	122.00
17	Mar 20,2015 12:30	Leave Location		--	--	--	--	122.00

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	
<u>Material Transfer Sheet Number</u>	57772





Pumping Service Report

9203765

Client Name Anadarko Petroleum Corporation	Well Name Uiv Land 5 - 20	Rig ECWS 48	Job Date March 23,2015	Call Sheet 1056840
Client Representative Mr. Daniel Olmeada	Surface Well Location SW NW Sec 20:T5N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Schneider, Patrick (24093)

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	--	450.000	700.000	--	--

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	J-55	1,370.0	2,950.0	28.66	8.097	9.625	0.0	450.0
4.500	11.600	J-55	4,960.0	5,350.0	1.55	4.000	5.000	700.0	800.0

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	3.090	1.995	2.910	0.000	800.000

Products

Plug 1

From Depth (ft): 201

To Depth (ft): 800

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 140 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 33 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 45 , Slurry Temperature(°F) = 60

+ 0.5 % of CaCl₂ (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: Depth (ft): 201

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 16:26



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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>
201274	PICKUP	3/4 Ton				03/23/2015 09:30	03/23/2015 14:00
740067	BODY JOB	C & A				03/23/2015 09:30	03/23/2015 14:00
746508	BODY JOB	Baby Bulker				03/23/2015 09:30	03/23/2015 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>
Schneider, Patrick (24093)	03/23/2015 09:30	03/23/2015 14:00					
Davila, Israel (28152)	03/23/2015 09:30	03/23/2015 14:00					
Phillips, James (23627)	03/23/2015 09:30	03/23/2015 14:00					
Treatment Reports & Remarks							



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	Mar 23,2015 09:30	Arrive On Location		--	--	--	--	0.00
2	Mar 23,2015 09:35	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
3	Mar 23,2015 09:50	Rig In		--	--	--	--	0.00
4	Mar 23,2015 10:05	Rig in Complete		--	--	--	--	0.00
5	Mar 23,2015 10:10	Wait On Instructions		--	--	--	--	0.00
		Remarks: waited for water to arrive						
6	Mar 23,2015 11:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
7	Mar 23,2015 12:20	Start - Fluid	Water	1.00	--	--	1.00	1.00
		Remarks: filled lines						
8	Mar 23,2015 12:21	Pressure Test Start	Water	--	3,000.0	--	--	1.00
9	Mar 23,2015 12:23	Pressure Test Complete	Water	--	0.0	--	--	1.00
		Remarks: good pressure test						
10	Mar 23,2015 12:24	Pump Preflush	Water	2.00	125.0	--	10.00	11.00
		Remarks: mud flush						
11	Mar 23,2015 12:29	Pump Spacer	Water	2.00	125.0	--	10.00	21.00
		Remarks: fresh water spacer						
12	Mar 23,2015 12:34	Mix Cement	0:1:0 Type III	2.00	75.0	--	33.00	54.00
		Remarks: 140 sks plug cement @ 14.8 ppg yield = 1.33 h2o req = 6.31						
13	Mar 23,2015 13:04	Displace Fluid	Water	2.00	75.0	--	1.50	55.50
		Remarks: displaced to balance						
14	Mar 23,2015 13:06	Balance Plug	Water	--	0.0	--	--	55.50
15	Mar 23,2015 13:10	Tailgate Meeting		--	--	--	--	55.50
		Remarks: revisited JSA						
16	Mar 23,2015 13:15	Rig Out		--	--	--	--	55.50
17	Mar 23,2015 13:25	Wash	Water	--	--	--	--	55.50
		Remarks: washed pump and lines						
18	Mar 23,2015 13:45	Job Complete		--	--	--	--	55.50
19	Mar 23,2015 13:50	Pre-Departure Meeting		--	--	--	--	55.50
20	Mar 23,2015 14:00	Leave Location		--	--	--	--	55.50

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



Treatment Reports & Remarks

Material Transfer Sheet Number

Material Transfer Sheet Number

57782

57783