



Pumping Service Report

9199328

Client Name Anadarko Petroleum Corporation	Well Name Lloyd Camp 14-31	Rig Leed 723	Job Date December 22, 2014	Call Sheet 1052480
Client Representative Mr. Nate Windholz	Surface Well Location SE SW Sec 31:T3N:R65W	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):	--- @ ---

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.875	6.500	J-55	7,680.000	40.680	2.441	3.668	0.000	7,028.000
1.660	2.300	J-55	8,490.000	13.000	1.380	2.054	0.000	7,028.000

Products

Plug 1

From Depth (ft): 6562

To Depth (ft): 7028

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 10 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 2.7 (bbl)

Water Temperature(°F) = 55, Bulk Temperature(°F) = 30, Slurry Temperature(°F) = 60

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6562

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 13, 2014 19:32

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201274	PICKUP	3/4 Ton				12/22/2014 12:30	12/22/2014 15:00
740067	BODY JOB	C & A				12/22/2014 12:30	12/22/2014 15:00
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	12/22/2014 12:30	12/22/2014 15:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Schneider, Patrick (24093)	12/22/2014 12:30	12/22/2014 15:00		
Bailey, Steven (29186)	12/22/2014 12:30	12/22/2014 15:00		
Paiu, Vladislav (28091)	12/22/2014 12:30	12/22/2014 15:00		

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	Dec 22, 2014 12:30	Arrive On Location		--	--	--	--	0.00
2	Dec 22, 2014 12:35	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
3	Dec 22, 2014 13:05	Rig In		--	--	--	--	0.00
4	Dec 22, 2014 13:20	Rig in Complete		--	--	--	--	0.00
5	Dec 22, 2014 13:25	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
6	Dec 22, 2014 13:41	Start - Fluid	Water	1.00	--	--	1.00	1.00
		Remarks: filled lines						
7	Dec 22, 2014 13:43	Pressure Test Start	Water	--	3,000.0	--	--	1.00
8	Dec 22, 2014 13:45	Pressure Test Complete	Water	--	--	--	--	1.00
		Remarks: good pressure test						
9	Dec 22, 2014 13:45	Pump Preflush	Water	1.25	1,600.0	--	5.00	6.00
		Remarks: fresh water preflush						
10	Dec 22, 2014 13:50	Batch Mix	Thermal 35	--	--	--	--	6.00
		Remarks: batch mixed 10 sks to 15.8 ppg						
11	Dec 22, 2014 13:59	Pump	Thermal 35	1.25	1,500.0	--	2.70	8.70
		Remarks: plug cement @ 15.8 ppg yield = 1.51 h2o req = 6.23						
12	Dec 22, 2014 14:02	Displace Fluid	Water	1.30	1,700.0	--	12.00	20.70
		Remarks: displaced to balance						
13	Dec 22, 2014 14:11	Balance Plug	Water	--	0.0	--	--	20.70
14	Dec 22, 2014 14:15	Tailgate Meeting		--	--	--	--	20.70
		Remarks: revisited JSA						
15	Dec 22, 2014 14:20	Rig Out		--	--	--	--	20.70
16	Dec 22, 2014 14:30	Wash	Water	--	--	--	20.00	20.70
		Remarks: washed pump and lines						
17	Dec 22, 2014 14:50	Job Complete		--	--	--	--	20.70
18	Dec 22, 2014 14:55	Pre-Departure Meeting		--	--	--	--	20.70
19	Dec 22, 2014 15:00	Leave Location		--	--	--	--	20.70

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

Material Transfer Sheet Number

Material Transfer Sheet Number

55327



Pumping Service Report

9199309

Client Name Anadarko Petroleum Corporation	Well Name Lloyd Camp 14-31	Rig Leed 723	Job Date December 23, 2014	Call Sheet 1052515
Client Representative Mr. Nate Windholz	Surface Well Location SE SW Sec 31:T3N:R65W	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)
	9.000	--	0.000	791.000	--	--

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)
	0.000	6.500	---	--	--	--	--	--	0.0	4,560.0

Products

Plug 1	
From Depth (ft):	3952
To Depth (ft):	4560
Plug Type :	Abandonment
Acids/Blends/Fluids :	
Tail: 210 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 45 (bbl)	
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50	
+ 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:	Depth (ft): 3952				
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	--	--	--	--	Oct 13, 2014 19:32

Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201273	PICKUP	3/4 Ton				12/23/2014 07:00	12/23/2014 11:00
740018-1	BODY JOB	C & A				12/23/2014 07:00	12/23/2014 11:00
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	12/23/2014 07:00	12/23/2014 11:00

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Price, Ryan (25840)	12/23/2014 07:00	12/23/2014 11:00		
Joyner, Barlen (28603)	12/23/2014 07:00	12/23/2014 11:00		
Curtner, Jerry (28310)	12/23/2014 07:00	12/23/2014 11:00		
Daylong, Eric (28076)	12/23/2014 07:00	12/23/2014 11:00		

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	Dec 23,2014 07:00	Arrive On Location		--	--	--	--	0.00
2	Dec 23,2014 07:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Dec 23,2014 07:40	Rig in Complete		--	--	--	--	0.00
4	Dec 23,2014 08:45	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Dec 23,2014 09:07	Pressure Test Start		--	2,000.0	--	--	0.00
6	Dec 23,2014 09:08	Pressure Test Complete		--	--	--	--	0.00
7	Dec 23,2014 09:10	Establish Circulation	Water	1.30	1,900.0	--	10.00	10.00
8	Dec 23,2014 09:20	Pump Preflush	Water	1.30	1,900.0	--	20.00	30.00
		Remarks: pump well seal - SMS						
9	Dec 23,2014 09:36	Pump Spacer	Water	1.20	1,900.0	--	5.00	35.00
10	Dec 23,2014 09:41	Mix Cement	0-1-0 G	2.00	800.0	--	45.00	80.00
11	Dec 23,2014 10:10	Drop Plug		--	--	--	--	80.00
12	Dec 23,2014 10:15	Pump Displacement	Water	2.00	1,200.0	--	24.00	104.00
13	Dec 23,2014 10:27	Stop		--	--	--	--	104.00
14	Dec 23,2014 10:30	Wash		--	--	--	--	104.00
15	Dec 23,2014 10:45	Job Complete		--	--	--	--	104.00
		Remarks: no rig out wait for next plug						
16	Dec 23,2014 11:00	Leave Location		--	--	--	--	104.00

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

Client Name Anadarko Petroleum Corporation	Well Name Lloyd Camp 14-31	Rig Leed 723	Job Date December 23, 2014	Call Sheet 1052517
Client Representative Mr. Nate Windholz	Surface Well Location SE SW Sec 31:T3N:R65W	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)
	9.000	--	791.000	1,460.000	--	--

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	791.0
	0.000	6.500	---	--	--	--	--	--	0.0	1,460.0

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	0.000		--	--	--	--	0.000	7,115.000

Products

Plug 1

From Depth (ft): 190
 To Depth (ft): 1460
 Plug Type : Abandonment
 Acids/Blends/Fluids :
 Tail: 380 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 90 (bbl)
 Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50
 + 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): 190				
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	--	--	--	--	Oct 13, 2014 19:32

Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201273	PICKUP	3/4 Ton				12/24/2014 07:00	12/24/2014 16:30
740018-1	BODY JOB	C & A				12/24/2014 07:00	12/24/2014 16:30
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	12/24/2014 07:00	12/24/2014 16:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Price, Ryan (25840)	12/24/2014 07:00	12/24/2014 16:30		
Joyner, Barlen (28603)	12/24/2014 07:00	12/24/2014 16:30		
Curtner, Jerry (28310)	12/24/2014 07:00	12/24/2014 16:30		
Daylong, Eric (28076)	12/24/2014 07:00	12/24/2014 16:30		

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	Dec 24, 2014 07:00	Arrive On Location		--	--	--	--	0.00
2	Dec 24, 2014 07:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Dec 24, 2014 07:45	Rig in Complete		--	--	--	--	0.00
4	Dec 24, 2014 07:50	Wait On Instructions		--	--	--	--	0.00
		Remarks: no circulation rig pulled casing then re set casing						
5	Dec 24, 2014 14:42	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Dec 24, 2014 14:59	Pressure Test Start		--	1,100.0	--	--	0.00
7	Dec 24, 2014 15:00	Pressure Test Complete		--	--	--	--	0.00
8	Dec 24, 2014 15:01	Establish Circulation	Water	2.00	200.0	--	5.00	5.00
9	Dec 24, 2014 15:03	Pump Preflush	Water	3.00	300.0	--	10.00	15.00
		Remarks: pump mudd flush						
10	Dec 24, 2014 15:05	Pump Spacer	Water	2.00	300.0	--	5.00	20.00
11	Dec 24, 2014 15:08	Mix Cement	0:1:0 Type III	3.00	200.0	--	90.00	110.00
12	Dec 24, 2014 15:38	Pump Displacement	Water	2.00	200.0	--	1.50	111.50
13	Dec 24, 2014 15:45	Wash		--	--	--	--	111.50
14	Dec 24, 2014 16:00	Rig Out		--	--	--	--	111.50
15	Dec 24, 2014 16:20	Job Complete		--	--	--	--	111.50
16	Dec 24, 2014 16:25	Pre-Departure Meeting		--	--	--	--	111.50
17	Dec 24, 2014 16:30	Leave Location		--	--	--	--	111.50

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