



Pumping Service Report

9201471

Client Name Anadarko Petroleum Corporation	Well Name Bell L 12-8	Rig ECWS 7	Job Date December 29, 2014	Call Sheet 1052634
Client Representative Mr. Dave Donoho	Surface Well Location SE NE Sec 12:T3N:R66W	Down Hole Well Location	Job Type Cement Misc.	Lead Supervisor Klosterman, Austin (27698)

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)
10.000	--	--	--	--	--

Products

Plug 1

From Depth (ft):	6700
To Depth (ft):	6155
Plug Type :	Abandonment
Acids/Blends/Fluids :	
Tail: 180 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 53 (bbl)	
Water Temperature(°F) = 55 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 70	
+ 20 % of Silica Flour (Preblend),	
+ 3 % of Gel (Preblend),	
+ 0.1 % of SMS (Preblend),	
+ 0.4 % of CFR-2 (Preblend),	
+ 0.4 % of CFL-3 (Preblend)	

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6155

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Dec 22, 2014 17:25

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				12/29/2014 07:00	12/29/2014 13:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	12/29/2014 07:00	12/29/2014 13:30
446075	TRAILER	Bulker	746075	TRACTOR	Tandem - Tractor	12/29/2014 07:00	12/29/2014 13:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Klosterman, Austin (27698)	12/29/2014 07:00	12/29/2014 13:30		
Cheal, Samuel (28315)	12/29/2014 07:00	12/29/2014 13:30		
Teegerstrom, Ty (27623)	12/29/2014 07:00	12/29/2014 13:30		
Crane, Troy (29924)	12/29/2014 07:00	12/29/2014 13:30		

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

Print Date: December 29, 2014

Service Report: 9201471

Page 1 of 2

V4.0.2.0

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 29,2014 07:00	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Dec 29,2014 08:00	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Dec 29,2014 10:00	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Dec 29,2014 10:30	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Dec 29,2014 10:46	Pressure Test Start	Water	0.00	4,100.0	0.0	0.00	0.00
6	Dec 29,2014 10:47	Pressure Test Complete		0.00	4,100.0	0.0	0.00	0.00
7	Dec 29,2014 10:48	Establish Circulation	Water	2.00	450.0	0.0	15.00	15.00
8	Dec 29,2014 11:00	Pump	1-1-0 G	3.80	800.0	0.0	53.00	68.00
Remarks: Mix up and pump 180 sacks @13.5#, Yield 1.66, WR 7.92.								
9	Dec 29,2014 11:20	Displace Fluid	Water	3.80	480.0	0.0	35.60	103.60
10	Dec 29,2014 12:00	Rig Out		0.00	0.0	0.0	0.00	103.60
11	Dec 29,2014 13:00	Job Complete		0.00	0.0	0.0	0.00	103.60
12	Dec 29,2014 13:30	Leave Location		0.00	0.0	0.0	0.00	103.60

Did Float Hold:

Not Applicable

Fluid Returns :

Not Expected

Type :

Volume (bbl) :

Temperature (°F) :

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FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

55353



Pumping Service Report

9201472

Client Name Anadarko Petroleum Corporation	Well Name Bell L 12-8	Rig ECWS 7	Job Date December 30, 2014	Call Sheet 1052660
Client Representative Mr. Dave Donoho	Surface Well Location SE NE Sec 12:T3N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Klosterman, Austin (27698)

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	Weight	Grade	Collapse Pressure		Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)		(bbl)	(in)	(in)	(ft)	(ft)
2.875	6.500	---	---		--	--	--	0.000	4,883.000

Products	
Plug 1	
From Depth (ft):	4883
To Depth (ft):	4269
Plug Type :	Abandonment
Acids/Blends/Fluids :	
Plug: <u>390 Sacks</u> of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 79 (bbl)	
Water Temperature(°F) = 55 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 75	
+ 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): 4269			
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	--	8.400	--	--	Dec 22, 2014 17:25

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				12/30/2014 10:00	12/30/2014 15:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	12/30/2014 10:00	12/30/2014 15:30
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	12/30/2014 10:00	12/30/2014 15:30
Crew and Bonuses							
Employee	Start Shift	End Shift			Second Start Shift	Second End Shift	
Klosterman, Austin (27698)	12/30/2014 10:00	12/30/2014 15:30					
Cheal, Samuel (28315)	12/30/2014 10:00	12/30/2014 15:30					
Teegerstrom, Ty (27623)	12/30/2014 10:00	12/30/2014 15:30					
Peterson, Ryan (28158)	12/30/2014 10:00	12/30/2014 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	Dec 30,2014 10:00	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Dec 30,2014 10:20	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Dec 30,2014 11:15	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Dec 30,2014 11:30	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Dec 30,2014 13:02	Pressure Test Start		0.00	3,300.0	0.0	0.00	0.00
6	Dec 30,2014 13:03	Pressure Test Complete		0.00	3,300.0	0.0	0.00	0.00
7	Dec 30,2014 13:04	Pump Preflush	Water	2.60	260.0	0.0	5.00	5.00
		Remarks: Fresh ahead.						
8	Dec 30,2014 13:07	Pump Preflush	Water	2.50	450.0	0.0	20.00	25.00
		Remarks: Wellseal.						
9	Dec 30,2014 13:16	Pump Preflush	Water	2.50	500.0	0.0	5.00	30.00
		Remarks: Fresh ahead.						
10	Dec 30,2014 13:22	Pump	0-1-0 G	3.20	800.0	0.0	79.00	109.00
		Remarks: Mix up and pump 390 sacks @15.8#, Yield 1.15, WR 4.98.						
11	Dec 30,2014 13:46	Pump Displacement	Water	3.50	400.0	0.0	24.70	133.70
12	Dec 30,2014 14:00	Rig Out		0.00	0.0	0.0	0.00	133.70
13	Dec 30,2014 15:00	Job Complete		0.00	0.0	0.0	0.00	133.70
14	Dec 30,2014 15:30	Leave Location		0.00	0.0	0.0	0.00	133.70

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

55405



Pumping Service Report

9201545

Client Name Anadarko Petroleum Corporation	Well Name Bell L 12-8	Rig ECWS 7	Job Date January 05, 2015	Call Sheet 1052837
Client Representative Mr. Dave Donoho	Surface Well Location SE NE Sec 12:T3N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Douglass, Brian (23898)

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)
	11.500	--	--	--	--	--

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)
	8.625	24.000	---	--	--	--	--	--	0.0	593.0

Tubing	Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
	(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
	2.875	6.500	---	--	--	--	--	0.000	1,375.000

Products

Plug 1

From Depth (ft): 0

To Depth (ft): 1375

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 500 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 118 (bbl)
Water Temperature(°F) = 45 , Bulk Temperature(°F) = 40 , 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: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Dec 22, 2014 17:25



9201545

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>
201025	PICKUP	1 Ton	449093	TRAILER	Utility Trailer	01/05/2015 10:00	01/05/2015 15:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	01/05/2015 10:00	01/05/2015 15:30
446173	TRAILER	Bulker	746173	TRACTOR	Tandem - Tractor	01/05/2015 10:00	01/05/2015 15:30
746508	BODY JOB	Baby Bulker				01/05/2015 10:00	01/05/2015 15:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Douglass, Brian (23898)	01/05/2015 10:00	01/05/2015 15:30		
Schroeder, Stephen (25442)	01/05/2015 10:00	01/05/2015 15:30		
Leue, David (28684)	01/05/2015 10:00	01/05/2015 15:30		
Martinez, Fernando (28421)	01/05/2015 10:00	01/05/2015 15:30		
Bark, Eric (28944)	01/05/2015 10:00	01/05/2015 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	Jan 05,2015 10:00	Arrive On Location		--	--	--	--	0.00
2	Jan 05,2015 10:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jan 05,2015 11:00	Rig in Complete		--	--	--	--	0.00
4	Jan 05,2015 12:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jan 05,2015 12:48	Pressure Test Start		--	1,200.0	--	--	0.00
6	Jan 05,2015 12:50	Pressure Test Complete		--	--	--	--	0.00
7	Jan 05,2015 12:51	Pump Preflush	Water	2.00	200.0	--	12.00	0.00
8	Jan 05,2015 12:57	Pump Preflush	Water	3.00	200.0	--	10.00	0.00
		Remarks: with sapp						
9	Jan 05,2015 13:00	Pump	0:1:0 Type III	3.75	500.0	--	118.00	0.00
10	Jan 05,2015 13:40	Displace Fluid	Water	1.00	300.0	--	1.50	0.00
11	Jan 05,2015 15:00	Pump	Water	2.00	20.0	--	10.00	0.00
		Remarks: reverse circulate for rig						
12	Jan 05,2015 15:06	Rig Out		--	--	--	--	0.00
13	Jan 05,2015 15:20	Job Complete		--	--	--	--	0.00
14	Jan 05,2015 15:30	Leave Location		--	--	--	--	0.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 2

Temperature (°F) : 70

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

55440

55437

55436