



**Pumping
Service Report**

9190978

Client Name Anadarko Petroleum Corporation	Well Name Hart A Gas Unit #1	Job Date April 11, 2014	Call Sheet 1041067
Client Representative Dave Donoho	Location NW NE Sec 27:T2N:R67W	Job Type Abandonment Plugs	Rig ECWS 7

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)
2.375	4.600	J-55	8,100.000	---	1.995	2.875	---	---

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Tail: 260 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 79 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 55

+ 20 % of Silica Flour,

+ 3 % of Gel,

+ 0.1 % of SMS,

+ 0.4 % of CFR-2,

+ 0.4 % of CFL-3

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6900

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	---	8.340	---	---	Mar 07, 2014 09:52



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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
449086	TRAILER	Utility Trailer	200616	PICKUP	1 Ton	04/11/2014 07:00	04/11/2014 11:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	04/11/2014 07:00	04/11/2014 11:00
446075	TRAILER	Bulker	746075	TRACTOR	Tandem - Tractor	04/11/2014 07:00	04/11/2014 11:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Joyner, Barlen	04/11/2014 04:30	04/11/2014 12:00		
Contreras, Bennie	04/11/2014 04:30	04/11/2014 12:00		
Cox, Brandon	04/11/2014 04:30	04/11/2014 12:00		
Paiu, Corneliu	04/11/2014 04:30	04/11/2014 12:00		
Keysaw, Earl	04/11/2014 04:30	04/11/2014 12:00		

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	Apr 11, 2014 06:29	Arrive On Location	---	--	--	--	--	0.00
2	Apr 11, 2014 06:46	Tailgate Meeting	---	--	--	--	--	0.00
3	Apr 11, 2014 06:55	Rig In	---	--	--	--	--	0.00
4	Apr 11, 2014 07:20	Wait On Instructions	---	--	--	--	--	0.00
5	Apr 11, 2014 07:50	Safety Meeting	---	--	--	--	--	0.00
6	Apr 11, 2014 08:00	Sign-off on Safety	---	--	--	--	--	0.00
7	Apr 11, 2014 08:16	Pressure Test	Water	0.00	3,515.0	0.0	0.00	0.00
8	Apr 11, 2014 08:18	Pump Preflush	Water	2.00	1,200.0	0.0	5.00	5.00
Remarks: Fresh water spacer								
9	Apr 11, 2014 08:24	Mix Cement	1-1-0 G	2.10	1,496.0	0.0	85.00	90.00
10	Apr 11, 2014 09:06	Pump Displacement	Water	2.10	338.0	0.0	27.00	117.00
Remarks: Over displace tubing capacity per customer request								
11	Apr 11, 2014 09:19	Shut In-Well	---	0.00	504.0	0.0	0.00	117.00
Remarks: Trap pressure in well per customer request								
12	Apr 11, 2014 09:20	Stop	---	--	--	--	--	117.00
13	Apr 11, 2014 09:25	Wash	Water	1.50	--	--	15.00	117.00
Remarks: Wash-up pumps and lines								
14	Apr 11, 2014 10:00	Rig Out	---	--	--	--	--	117.00
15	Apr 11, 2014 11:20	Job Complete	---	--	--	--	--	117.00
16	Apr 11, 2014 11:25	Pre-Departure Meeting	---	--	--	--	--	117.00
17	Apr 11, 2014 11:30	Leave Location	---	--	--	--	--	117.00



**Pumping
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Client Name Anadarko Petroleum Corporation	Well Name Hart A Gas Unit #1	Job Date April 15, 2014	Call Sheet 1041109
Client Representative Dave Donoho	Location NW NE Sec 27:T2N:R67W	Job Type Abandonment Plugs	Rig ECWS 7

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	71.34	4.000	5.000	0.0	4,590.0

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	4.600	J-55	8,100.000	16.390	1.995	2.875	0.000	4,239.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Tail: 300 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 61.4 (bbl)
Water Temperature(°F) = 45 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 55
+ 0.5 % of CFR-2,
+ 0.25 % of FMC,
+ 0.5 % of LWA,
+ 0.25 lb/sack of Polyflake

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	Mar 07, 2014 09:52



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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>
449086	TRAILER	Utility Trailer	200616	PICKUP	1 Ton	04/15/2014 08:00	04/15/2014 10:40
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	04/15/2014 08:00	04/15/2014 10:40
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	04/15/2014 08:00	04/15/2014 10:40

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Douglass, Brian	04/15/2014 08:00	04/15/2014 10:40		
Contreras, Bennie	04/15/2014 08:00	04/15/2014 10:40		
Sanchez Jr, Carlos	04/15/2014 08:00	04/15/2014 10:40		
Davila, Israel	04/15/2014 08:00	04/15/2014 10:40		
Jones, Christopher	04/15/2014 08:00	04/15/2014 10:40		

Treatment Reports & Remarks

Volume To Formation

<u>Stage/Plug/Treatment Interval Name</u>	<u>Volume To Formation (bbl)</u>
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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	Apr 15,2014 08:00	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived on location						
2	Apr 15,2014 08:05	Tailgate Meeting		--	--	--	--	0.00
		Remarks: Talked about spotting trucks and rig in.						
3	Apr 15,2014 08:10	Rig In		--	--	--	--	0.00
		Remarks: Rigged in water lines and cement to pump and pump to wellhead.						
4	Apr 15,2014 08:35	Safety Meeting		--	--	--	--	0.00
		Remarks: Muster point, 911 caller, ambulance driver, safety equipment, job scope,nearest medical.						
5	Apr 15,2014 08:55	Sign-off on Safety		--	--	--	--	0.00
		Remarks: Sign all JSAs						
6	Apr 15,2014 08:40	Pressure Test	Water	--	3,500.0	--	--	0.00
		Remarks: Pressure test to 3500 psi						
7	Apr 15,2014 09:14	Pump Preflush	Water	2.00	1,093.0	0.0	20.00	20.00
		Remarks: SMS spacer						
8	Apr 15,2014 09:24	Pump Spacer	Water	2.00	670.0	0.0	5.00	25.00
		Remarks: H2O spacer behind SMS						
9	Apr 15,2014 09:25	Mix Cement	0-1-0 G	3.00	1,000.0	0.0	61.40	86.40
		Remarks: Batch up, weigh and pump 300 sx of G + adds @ 15.8 ppg						
10	Apr 15,2014 09:49	Displace Fluid	Water	2.80	1,100.0	--	13.50	99.90
		Remarks: Displaced 13.5 BBLs of water.						
11	Apr 15,2014 09:52	Wash	Water	1.70	170.0	--	20.00	119.90
		Remarks: Wash mix system and runbacks on triplexes.						
12	Apr 15,2014 10:20	Rig Out		--	--	--	--	119.90
		Remarks: Rig down						
13	Apr 15,2014 10:30	Job Complete		--	--	--	--	119.90
		Remarks: Job complete						
14	Apr 15,2014 10:32	Pre-Departure Meeting		--	--	--	--	119.90
		Remarks: Journey management						
15	Apr 15,2014 10:40	Leave Location		--	--	--	--	119.90
		Remarks: Leave location..						

Did Float Hold: Not Applicable
Fluid Returns : No
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

9373

9901



Pumping Service Report

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Client Name Anadarko Petroleum Corporation	Well Name Hart A Gas Unit #1	Job Date April 16, 2014	Call Sheet 1041213
Client Representative Dave Donoho	Location NW NE Sec 27:T2N:R67W	Job Type Abandonment Plugs	Rig ECWS 7

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)
12.125	--	--	--	--	--

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	635.0
4.500	11.600	---	--	--	--	--	--	0.0	735.0

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	5.840	1.995	2.910	0.000	1,510.000

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : N/A

Acids/Blends/Fluids :

Plug: 597 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 155 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 65
+ 1 % of CaCl₂ (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	Apr 16, 2014 09:52



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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
449086	TRAILER	Utility Trailer	201191	PICKUP	1 Ton	04/16/2014 11:00	04/16/2014 15:50
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	04/16/2014 11:00	04/16/2014 15:50
446153	TRAILER	Bulker	746153	TRACTOR	Tandem - Tractor	04/16/2014 11:00	04/16/2014 15:50
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	04/16/2014 11:00	04/16/2014 15:50

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Contreras, Bennie	04/16/2014 11:00	04/16/2014 15:50		
Douglass, Brian	04/16/2014 11:00	04/16/2014 15:50		
Sanchez Jr, Carlos	04/16/2014 11:00	04/16/2014 15:50		
Williams, Colt	04/16/2014 11:00	04/16/2014 15:50		
Davila, Israel	04/16/2014 11:00	04/16/2014 15:50		
Curtner, Jerry	04/16/2014 11:00	04/16/2014 15:50		

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	Apr 16, 2014 11:00	Arrive On Location	---	--	--	--	--	0.00
2	Apr 16, 2014 11:10	Tailgate Meeting	---	--	--	--	--	0.00
3	Apr 16, 2014 11:20	Rig In	---	--	--	--	--	0.00
4	Apr 16, 2014 13:15	Safety Meeting	---	--	--	--	--	0.00
5	Apr 16, 2014 13:20	Sign-off on Safety	---	--	--	--	--	0.00
6	Apr 16, 2014 13:30	Establish Circulation	Water	2.00	200.0	--	2.00	2.00
		Remarks: fill lines						
7	Apr 16, 2014 13:35	Pressure Test	---	--	2,500.0	--	--	2.00
8	Apr 16, 2014 13:40	Mix Cement	0:1:0 Type III	2.00	450.0	--	155.00	157.00
9	Apr 16, 2014 14:49	Pump Displacement	Water	1.00	50.0	--	1.50	158.50
10	Apr 16, 2014 14:52	Stop	---	--	--	--	--	158.50
11	Apr 16, 2014 14:54	Rig Out	---	--	--	--	--	158.50
12	Apr 16, 2014 15:30	Job Complete	---	--	--	--	--	158.50
13	Apr 16, 2014 15:40	Pre-Departure Meeting	---	--	--	--	--	158.50
14	Apr 16, 2014 15:50	Leave Location	---	--	--	--	--	158.50



**Pumping
Service Report**

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Treatment Reports & Remarks

Did Float Hold: Not Applicable
Fluid Returns : Yes
Type : Cement
Volume (bbl) : 2
Temperature (°F) : 60
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

9918

9925