



Pumping Service Report

9203773

Client Name Anadarko Petroleum Corporation	Well Name Gee William E Gas Unit #2	Rig ECWS 22	Job Date April 09,2015	Call Sheet 1057129
Client Representative Mr. Bill Smith	Surface Well Location SW SE Sec 24:T2N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	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)
9.500	--	618.000	8,020.000	--	--

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)
8.625	24.000	J-55	1,370.0	2,950.0	39.36	8.097	9.625	0.0	618.0
4.500	10.500	J-55	4,010.0	4,790.0	127.91	4.052	5.000	0.0	8,020.0

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	27.400	1.995	2.910	0.000	7,088.000

Products

Plug 1

From Depth (ft): 6725

To Depth (ft): 7140

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 145 Sacks of 50% Class G / 50% Poz (1-1-0 G), Density = 13.5 lb/gal, Volume Pumped = 43 (bbl)

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

+ 3 % of Gel (Preblend),

+ 20 % of Silica Flour (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): 6725

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 15, 2015 18:10



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Attachment & Tools

Down Hole Tools

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Bridge Plug	7,830.000	Third Party
Cement Retainer	7,088.000	Third Party

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>
201114	PICKUP	3/4 Ton				04/09/2015 07:15	04/09/2015 10:15
740067	BODY JOB	C & A				04/09/2015 07:15	04/09/2015 10:15
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	04/09/2015 07:15	04/09/2015 10:15

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)	04/09/2015 07:15	04/09/2015 10:15		
Cheal, Samuel (28315)	04/09/2015 07:15	04/09/2015 10:15		
Hall, Austin (28887)	04/09/2015 07:15	04/09/2015 10:15		
Phillips, James (23627)	04/09/2015 07:15	04/09/2015 10:15		

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	Apr 09,2015 07:15	Arrive On Location		--	--	--	--	0.00
2	Apr 09,2015 07:20	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: discussed lease hazards and rig in procedures						
3	Apr 09,2015 07:35	Rig In		--	--	--	--	0.00
4	Apr 09,2015 07:50	Rig in Complete		--	--	--	--	0.00
5	Apr 09,2015 07:55	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: discussed job scope and everyones dutys						
6	Apr 09,2015 08:14	Start - Fluid	Water	1.00	--	--	1.00	1.00
		Remarks: filled lines						
7	Apr 09,2015 08:16	Pressure Test Start	Water	--	3,500.0	--	--	1.00
8	Apr 09,2015 08:18	Pressure Test Complete	Water	--	0.0	--	--	1.00
		Remarks: good pressure test						
9	Apr 09,2015 08:18	Injection Test	Water	2.50	1,000.0	--	5.00	6.00
		Remarks: good injection rate						
10	Apr 09,2015 08:23	Mix Cement	50% Class G / 50% Poz (1-1-0 G)	3.00	1,100.0	--	43.00	49.00
		Remarks: 145 sks cement @ 13.5 ppg yield = 1.66 h2o req = 7.92						
11	Apr 09,2015 08:37	Displace Fluid	Water	2.50	1,300.0	--	25.00	74.00
12	Apr 09,2015 08:46	Finish Displacement	Water	0.00	600.0	--	--	74.00
		Remarks: ISIP 600 psi						
13	Apr 09,2015 08:50	Pull Out Off Retainer		--	--	--	--	74.00
		Remarks: rig pulled out of retainer						
14	Apr 09,2015 08:51	Pull Pipe		--	--	--	--	74.00
		Remarks: rig pulled 10 stands of tubing						
15	Apr 09,2015 09:05	Reverse Circulate	Water	1.80	900.0	--	55.00	129.00
		Remarks: circulated tubing clean						
16	Apr 09,2015 09:40	Tailgate Meeting		--	--	--	--	129.00
		Remarks: revisited JSA						
17	Apr 09,2015 09:45	Rig Out		--	--	--	--	129.00
18	Apr 09,2015 09:55	Wash		--	--	--	--	129.00
		Remarks: washed pump and lines						
19	Apr 09,2015 10:05	Job Complete		--	--	--	--	129.00
20	Apr 09,2015 10:10	Pre-Departure Meeting		--	--	--	--	129.00
21	Apr 09,2015 10:15	Leave Location		--	--	--	--	129.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 10

Temperature (°F) : 55

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes



Pumping Service Report

9204190

Client Name Anadarko Petroleum Corporation	Well Name Gee William E Gas Unit #2	Rig ECWS 22	Job Date April 13,2015	Call Sheet 1057182
Client Representative Mr. Bill Smith	Surface Well Location SW SE Sec 24:T2N: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)
12.000	--	618.000	4,500.000	--	--

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)
8.625	24.000		--	--	--	--	--	0.0	618.0
4.500	11.600		--	--	--	--	--	10.0	4,500.0

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		--	--	--	--	0.000	4,210.000

Products

Plug 1

From Depth (ft): 4017

To Depth (ft): 4495

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 200 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 40 (bbl)

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

+ 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): 4017

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 15, 2015 18:10

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	4,210.000	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>
201273	PICKUP	3/4 Ton				04/13/2015 09:30	04/13/2015 14:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	04/13/2015 09:30	04/13/2015 14:00
746506	BODY JOB	Baby Bulker				04/13/2015 09:30	04/13/2015 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>	
Price, Ryan (25840)	04/13/2015 09:45	04/13/2015 14:00					
Young, Craig (27496)	04/13/2015 09:45	04/13/2015 14:00					
Melgarejo Herrera, Eduardo (26606)	04/13/2015 09:45	04/13/2015 14:00					
Devine, Richard (29733)	04/13/2015 09:45	04/13/2015 14:00					



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	Apr 13,2015 09:30	Arrive On Location		--	--	--	--	0.00
2	Apr 13,2015 09:35	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Apr 13,2015 10:00	Rig in Complete		--	--	--	--	0.00
4	Apr 13,2015 10:05	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Apr 13,2015 10:22	Pressure Test Start		--	3,300.0	--	--	0.00
6	Apr 13,2015 10:24	Pressure Test Complete		--	--	--	--	0.00
7	Apr 13,2015 10:25	Establish Circulation	Water	1.50	750.0	--	5.00	5.00
8	Apr 13,2015 10:27	Pump Preflush	Water	1.50	500.0	--	20.00	25.00
Remarks: pump SMS								
9	Apr 13,2015 10:39	Pump Spacer	Water	1.50	500.0	--	5.00	30.00
10	Apr 13,2015 10:42	Mix Cement	0-1-0 G	2.00	1,300.0	--	40.00	70.00
11	Apr 13,2015 11:03	Pump Displacement	Water	2.00	800.0	--	13.00	83.00
12	Apr 13,2015 11:08	Stop		--	--	--	--	83.00
13	Apr 13,2015 12:22	Reverse Circulate	Water	1.50	500.0	--	25.00	108.00
14	Apr 13,2015 11:40	Wash		--	--	--	--	108.00
15	Apr 13,2015 12:00	Hesitate		--	--	--	--	108.00
Remarks: wait to squeez								
16	Apr 13,2015 12:51	Squeeze	Water	0.36	600.0	--	0.50	108.50
17	Apr 13,2015 12:53	Hesitate		--	--	--	--	108.50
18	Apr 13,2015 13:24	Squeeze	Water	0.25	800.0	--	0.25	108.75
19	Apr 13,2015 13:25	Stop		--	--	--	--	108.75
20	Apr 13,2015 13:30	Rig Out		--	--	--	--	108.75
21	Apr 13,2015 13:50	Job Complete		--	--	--	--	108.75
22	Apr 13,2015 13:55	Pre-Departure Meeting		--	--	--	--	108.75
23	Apr 13,2015 14:00	Leave Location		--	--	--	--	108.75

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

57279



Pumping Service Report

9190141

Client Name Anadarko Petroleum Corporation	Well Name Gee William E Gas Unit #2	Rig ECWS 22	Job Date April 15,2015	Call Sheet 1057234
Client Representative Mr. Bill Smith	Surface Well Location SW SE Sec 24:T2N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Johnson, Quintin (23945)

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)
12.000	--	618.000	1,350.000	--	--

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	39.36	8.097	9.625	0.0	618.0
4.500	10.500	J-55	4,010.0	4,790.0	127.59	4.052	5.000	0.0	8,000.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
1.660	2.330	J-55	8,490.000	2.500	1.380	1.880	0.000	1,350.000

Products

Plug 1

From Depth (ft):

To Depth (ft): 1350

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 480 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 113.7 (bbl)

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

- + 0.5 % of CaCl₂ (Preblend),
- + 0.3 % of CFL-3 (Preblend),
- + 0.3 % of CFR-2 (Preblend),
- + 0.4 % of CDF-4P (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	--	8.400	--	--	Jan 15, 2015 18:10



Pumping Service Report

9190141

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201025	PICKUP	1 Ton	449093	TRAILER	Utility Trailer	04/15/2015 09:00	04/15/2015 14:10
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	04/15/2015 09:00	04/15/2015 14:10
446145	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	04/15/2015 09:00	04/15/2015 14:10
Crew and Bonuses							
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift			
Johnson, Quintin (23945)	04/15/2015 09:00	04/15/2015 14:10					
Teegerstrom, Ty (27623)	04/15/2015 09:00	04/15/2015 14:10					
Decenick, Scott (30083)	04/15/2015 09:00	04/15/2015 14:10					
Pyfer, Kevin (29802)	04/15/2015 09:00	04/15/2015 14:10					
Treatment Reports & Remarks							

**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	Apr 15,2015 09:00	Arrive On Location		--	--	--	--	0.00
		Remarks: arrived behind schedule						
2	Apr 15,2015 09:10	Tailgate Meeting		--	--	--	--	0.00
		Remarks: talked about spotting trucks						
3	Apr 15,2015 09:20	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: talked about site hazards and how to mitigate them						
4	Apr 15,2015 09:35	Rig In		--	--	--	--	0.00
		Remarks: rigged in our trucks and 3rd party water						
5	Apr 15,2015 09:50	Rig in Complete		--	--	--	--	0.00
		Remarks: gather for safety meeting						
6	Apr 15,2015 09:55	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
7	Apr 15,2015 09:56	Sign-off on Safety		--	--	--	--	0.00
		Remarks: signed their and our JSA						
8	Apr 15,2015 11:32	Pressure Test Start	Water	0.50	150.0	--	0.50	0.50
		Remarks: filled our lines for pressure test						
9	Apr 15,2015 11:33	Pressure Test	Water	0.00	1,500.0	--	0.00	0.50
		Remarks: lines tested good						
10	Apr 15,2015 11:34	Pressure Test Complete		--	--	--	--	0.50
		Remarks: opened up to pump job						
11	Apr 15,2015 11:35	Pump Preflush	Water	2.00	600.0	--	20.00	20.50
		Remarks: pumped SMS						
12	Apr 15,2015 11:47	Pump Spacer	Water	2.00	550.0	--	5.00	25.50
		Remarks: umped fresh between SMS and Slurry						
13	Apr 15,2015 11:50	Mix Cement	0:1:0 Type III	1.50	1,350.0	--	113.70	139.20
		Remarks: mixed slurry at 14.8						
14	Apr 15,2015 13:03	Pump Displacement	Water	1.50	1,200.0	--	1.50	140.70
		Remarks: cleared our lines						
15	Apr 15,2015 13:15	Stop		--	--	--	--	140.70
		Remarks: stop and rigged off for wash up						
16	Apr 15,2015 13:30	Wash	Water	2.00	150.0	--	20.00	160.70
		Remarks: washed mix and did run backs						
17	Apr 15,2015 13:50	Rig Out		--	--	--	--	160.70
		Remarks: rigged out our trucks						
18	Apr 15,2015 14:00	Job Complete		--	--	--	--	160.70
		Remarks: do complete walk around and check pins						
19	Apr 15,2015 14:10	Leave Location		--	--	--	--	160.70
		Remarks: go back to Sanjel yard						



Treatment Reports & Remarks

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

57295

57296

57311