



**Pumping
Service Report**

9187299

Client Name Anadarko Petroleum Corporation	Well Name Hansen, Glen L GU B 1	JobDate May 15,2014	Call Sheet 1041993
Client Representative Larry Webb	Location SW SW Sec 16:T2N:R66W	Job Type Abandonment Plugs	Rig Basic 1549

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):	--- @ --

Products

Plug 1

From Depth (ft):
To Depth (ft):
Plug Type : Abandonment
Acids/Blends/Fluids :
Plug: 100 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 29.5 (bbl)
Water Temperature(°F) = 50 , 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: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.340	--	--	May 14, 2014 18:45

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
200913	PICKUP	3/4 Ton				05/15/2014 11:00	05/15/2014 15:05
740004	BODY JOB	C & A				05/15/2014 11:00	05/15/2014 15:05
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	05/15/2014 11:00	05/15/2014 15:05
200918	PICKUP	3/4 Ton				05/15/2014 11:00	05/15/2014 15:05

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Martin, David	05/15/2014 11:00	05/15/2014 13:05		
Prock, Jason	05/15/2014 11:00	05/15/2014 13:05		
Keeton, Derek	05/15/2014 11:00	05/15/2014 13:05		
Felton, Charles	05/15/2014 11:00	05/15/2014 13:05		
Waltman, Jared	05/15/2014 11:00	05/15/2014 13:05		
Schroeder, Stephen	05/15/2014 11:00	05/15/2014 13:05		



**Pumping
Service Report**

9187299

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	May 15, 2014 11:00	Arrive On Location	---	--	--	--	--	0.00
2	May 15, 2014 11:05	Tailgate Meeting	---	--	--	--	--	0.00
3	May 15, 2014 11:45	Rig In	---	--	--	--	--	0.00
4	May 15, 2014 11:55	Safety Meeting	---	--	--	--	--	0.00
5	May 15, 2014 12:00	Sign-off on Safety	---	--	--	--	--	0.00
6	May 15, 2014 12:12	Pressure Test	Water	--	3,000.0	--	--	0.00
7	May 15, 2014 12:13	Establish Circulation	Water	3.00	400.0	--	10.00	10.00
8	May 15, 2014 12:17	Jet Mix	1-1-0 G	3.00	100.0	--	29.50	39.50
Remarks: 13.5 by mud scale								
9	May 15, 2014 12:28	Displace Fluid	Water	3.00	50.0	--	26.00	65.50
10	May 15, 2014 12:31	Rig Out	---	--	--	--	--	65.50
11	May 15, 2014 12:35	Job Complete	---	--	--	--	--	65.50
12	May 15, 2014 13:00	Pre-Departure Meeting	---	--	--	--	--	65.50
13	May 15, 2014 13:05	Leave Location	---	--	--	--	--	65.50

Did Float Hold: Not Applicable
Fluid Returns : Yes
Type : Water
Volume (bbl) : 65.5
Temperature (°F) : 70
FDAS Functioning Correctly : Yes
Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

46115



**Pumping
Service Report**

9187300

Client Name Anadarko Petroleum Corporation	Well Name Hansen, Glen L GU B 1	Job Date May 15, 2014	Call Sheet 1042010
Client Representative Larry Webb	Location SW SW Sec 16:T2N:R66W	Job Type Abandonment Plugs	Rig Basic 1549

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):	--- @ --

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 350 Sacks of 0-1-0 G, Density = 15.6 lb/gal, Volume Pumped = 71.7 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 90
+ 0.5 % of CFR-2 (Preblend),
+ 0.25 % of FMC (Preblend),
+ 0.5 % of LWA (Preblend),
+ 0.25 % 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	--	8.340	--	--	May 14, 2014 18:45

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
200913	PICKUP	3/4 Ton				05/15/2014 16:00	05/15/2014 19:05
740004	BODY JOB	C & A				05/15/2014 16:00	05/15/2014 19:05
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	05/15/2014 16:00	05/15/2014 19:05

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Martin, David	05/15/2014 16:00	05/15/2014 19:05		
Keeton, Derek	05/15/2014 16:00	05/15/2014 19:05		
Felton, Charles	05/15/2014 16:00	05/15/2014 19:05		
Waltman, Jared	05/15/2014 16:00	05/15/2014 19:05		



**Pumping
Service Report**

9187300

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	May 15,2014 16:00	Arrive On Location	---	--	--	--	--	0.00
2	May 15,2014 16:05	Tailgate Meeting	---	--	--	--	--	0.00
3	May 15,2014 16:30	Rig In	---	--	--	--	--	0.00
4	May 15,2014 16:45	Safety Meeting	---	--	--	--	--	0.00
5	May 15,2014 16:50	Sign-off on Safety	---	--	--	--	--	0.00
6	May 15,2014 17:01	Pressure Test	Water	--	3,000.0	--	--	0.00
7	May 15,2014 17:02	Establish Circulation	Water	2.00	160.0	--	5.00	5.00
8	May 15,2014 17:06	Forward Circulate	Water	2.00	650.0	--	20.00	25.00
		Remarks: well seal						
9	May 15,2014 17:17	Forward Circulate	Water	2.00	700.0	--	5.00	30.00
10	May 15,2014 17:20	Jet Mix	0-1-0 G	2.00	800.0	--	71.70	101.70
		Remarks: 15.6 by mud scale.						
11	May 15,2014 17:54	Displace Fluid	Water	2.00	600.0	--	18.00	119.70
12	May 15,2014 18:00	Rig Out	---	--	--	--	--	119.70
13	May 15,2014 18:05	Job Complete	---	--	--	--	--	119.70
14	May 15,2014 19:00	Pre-Departure Meeting	---	--	--	--	--	0.00
15	May 15,2014 19:05	Leave Location	---	--	--	--	--	0.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Water

Volume (bbl) : 119.7

Temperature (°F) : 80

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes



**Pumping
Service Report**

9193201

Client Name Anadarko Petroleum Corporation	Well Name Hansen, Glen L GU B 1	Job Date May 16, 2014	Call Sheet 1042016
Client Representative Larry Webb	Location SW SW Sec 16:T2N:R66W	Job Type Abandonment Plugs	Rig Basic 1549

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):	--- @ --

Products

Plug 1

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 200 Sacks of 0-1-0 G, Density = 15.6 lb/gal, Volume Pumped = 41 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 90

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 % 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	--	8.340	--	--	May 15, 2014 16:15

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
200913	PICKUP	3/4 Ton				05/16/2014 09:00	05/16/2014 11:05
740004	BODY JOB	C & A				05/16/2014 09:00	05/16/2014 11:05
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	05/16/2014 09:00	05/16/2014 11:05
200918	PICKUP	3/4 Ton				05/16/2014 09:00	05/16/2014 11:05

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Martin, David	05/16/2014 09:00	05/16/2014 11:05		
Keeton, Derek	05/16/2014 09:00	05/16/2014 11:05		
Felton, Charles	05/16/2014 09:00	05/16/2014 11:05		
Waltman, Jared	05/16/2014 09:00	05/16/2014 11:05		
Schroeder, Stephen	05/16/2014 09:00	05/16/2014 11:05		



**Pumping
Service Report**

9193201

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	May 16,2014 09:00	Arrive On Location	---	--	--	--	--	0.00
2	May 16,2014 09:05	Tailgate Meeting	---	--	--	--	--	0.00
3	May 16,2014 09:15	Rig In	---	--	--	--	--	0.00
4	May 16,2014 09:30	Safety Meeting	---	--	--	--	--	0.00
5	May 16,2014 09:35	Sign-off on Safety	---	--	--	--	--	0.00
6	May 16,2014 09:41	Pressure Test	Water	--	4,500.0	--	--	0.00
7	May 16,2014 09:42	Establish Circulation	Water	2.00	800.0	--	5.00	5.00
8	May 16,2014 09:46	Pump	Water	2.00	850.0	--	20.00	25.00
Remarks: well seal								
9	May 16,2014 09:57	Forward Circulate	Water	2.00	500.0	--	5.00	30.00
10	May 16,2014 09:59	Jet Mix	0-1-0 G	2.00	800.0	--	41.00	71.00
Remarks: 15.6# By mud scale.								
11	May 16,2014 10:18	Displace Fluid	Water	2.00	1,000.0	--	17.00	88.00
12	May 16,2014 10:25	Rig Out	---	--	--	--	--	88.00
13	May 16,2014 10:30	Job Complete	---	--	--	--	--	88.00
14	May 16,2014 11:00	Pre-Departure Meeting	---	--	--	--	--	0.00
15	May 16,2014 11:05	Leave Location	---	--	--	--	--	0.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Water

Volume (bbl) : 88

Temperature (°F) : 90

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

46110

46116

22441



**Pumping
Service Report**

9191484

Client Name Anadarko Petroleum Corporation	Well Name Hansen, Glen L GU B 1	Rig Basic 1549	Job Date May 19,2014	Call Sheet 1042118
Client Representative Larry Webb	Surface Well Location SW SW Sec 16:T2N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	

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	10.500	J-55	4,010.0	4,790.0	24.32	4.052	5.000	0.0	1,525.0

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	2.780	1.995	2.910	0.000	720.000

Products

Plug 1

From Depth (ft): 720

To Depth (ft): 1525

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 520 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 135.2 (bbl)

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

+ 1 % of CaCl₂ (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Plug 2

From Depth (ft): 300

To Depth (ft): 100

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 60 Sacks of 0:1:0 Type III, Density = 14.2 lb/gal, Volume Pumped = 15.6 (bbl)

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

+ 1 % of CaCl₂ (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	--	8.340	--	--	May 18, 2014 18:31

Attachment & Tools

Down Hole Tools

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Cement Retainer	710.000	Client

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	201191	PICKUP	1 Ton	05/19/2014 06:50	05/19/2014 16:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	05/19/2014 06:50	05/19/2014 16:00
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	05/19/2014 06:50	05/19/2014 16:00
200918	PICKUP	3/4 Ton				05/19/2014 06:50	05/19/2014 16:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Johnson, Quintin	05/19/2014 06:50	05/19/2014 16:00		
Cox, Brandon	05/19/2014 06:50	05/19/2014 16:00		
Leue, David	05/19/2014 06:50	05/19/2014 16:00		
Paiu, Vladislav	05/19/2014 06:50	05/19/2014 16:00		
Paiu, Corneliu	05/19/2014 06:50	05/19/2014 16:00		
Schroeder, Stephen	05/19/2014 06:50	05/19/2014 16:00		

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	May 19, 2014 06:50	Arrive On Location	---	--	--	--	--	0.00
		Remarks: arrived ahead of schedule						
2	May 19, 2014 07:00	Tailgate Meeting	---	--	--	--	--	0.00
		Remarks: talked about spotting trucks and rigging in						
3	May 19, 2014 07:10	Rig In	---	--	--	--	--	0.00
		Remarks: rigged in 3rd party water, our bulk and to the rig floor						
4	May 19, 2014 07:35	Sign-off on Safety	---	--	--	--	--	0.00
		Remarks: signed our and their JSA						
5	May 19, 2014 07:36	Safety Meeting	---	--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
6	May 19, 2014 07:50	Start - Fluid	Water	2.00	250.0	--	3.00	3.00
		Remarks: filled lines for pressure test						
7	May 19, 2014 07:08	Pressure Test	Water	0.00	2,000.0	--	0.00	3.00
		Remarks: pressured tested and lines held good						
8	May 19, 2014 08:00	Establish Circulation	Water	2.00	550.0	--	9.00	12.00
		Remarks: got circulation at the start of the job, then it was off and on throughout job						

Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
9	May 19,2014 08:07	Mix Cement	0:1:0 Type III	135.00	100.0	--	2.00	14.00
		Remarks: mixed slurry at 14.2						
10	May 19,2014 09:27	Pump Displacement	Water	1.80	1,000.0	--	2.60	16.60
		Remarks: displace to the retainer leaving no slurry on top						
11	May 19,2014 09:30	Stop	--	--	--	--	--	16.60
		Remarks: stop rig off for wash up						
12	May 19,2014 09:45	Wash	--	1.50	150.0	--	15.00	16.60
		Remarks: washed the mix and did run backs						
13	May 19,2014 12:20	Rig In	--	--	--	--	--	0.00
		Remarks: rig into the well head						
14	May 19,2014 12:35	Start - Fluid	Water	1.00	12.0	--	0.50	0.50
		Remarks: filled lines for pressure test						
15	May 19,2014 12:36	Pressure Test	Water	0.00	2,000.0	--	0.00	0.50
		Remarks: pressure lines and the held						
16	May 19,2014 12:42	Establish Circulation	Water	2.00	12.0	--	15.60	16.10
		Remarks: got good circulation						
17	May 19,2014 12:44	Mix Cement	0:1:0 Type III	2.00	12.0	--	15.60	31.70
		Remarks: mixed slurry at 14.2						
18	May 19,2014 13:10	Pump Displacement	Water	1.00	12.0	--	1.00	32.70
		Remarks: cleared lines						
19	May 19,2014 13:15	Stop	--	--	--	--	--	32.70
		Remarks: rig off for wash up						
20	May 19,2014 13:25	Wash	Water	2.00	150.0	--	20.00	32.70
		Remarks: cleaned mix side and did run backs						
21	May 19,2014 13:50	Rig Out	--	--	--	--	--	32.70
		Remarks: rig out and go wash trucks						
22	May 19,2014 14:00	Pre-Departure Meeting	--	--	--	--	--	32.70
		Remarks: journey mangement						
23	May 19,2014 14:10	Job Complete	--	--	--	--	--	32.70
		Remarks: do walk around and check pins and covey down						
24	May 19,2014 14:20	Leave Location	--	--	--	--	--	32.70
		Remarks: leave lease						

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