



**Pumping  
Service Report  
9198042**

Client Name Noble Energy Inc.	Well Name Government 43-14	Rig True Point 5	Job Date October 09, 2014	Call Sheet 1048437
Client Representative Chuck Emerson	Surface Well Location NE NE Sec 14; T9N; R59W	Down Hole Well Location	Job Type Abandonment Plugs	

Well Profile										
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)	(ft)
5,500	17,000	J-55	4,910.0	5,320.0	5.04	4.892	6.050	0.0	217.0	
10,750	40,500	J-55	1,590.0	3,130.0	20.80	10.050	11.750	0.0	212.0	

Products	
Stage 1	
From Depth (ft):	0
To Depth (ft):	217
Acids/Blends/Fluids :	
Tail: 100 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal; Volume Pumped = 24.7 (bbl)	
Water Temperature(°F) = 55, Bulk Temperature(°F) = 60, Slurry Temperature(°F) = 78	
+ 0.25 lb/sack of Polyflake (Preblend),	
+ 2 % 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:		-			
Wellbore Fluid					
Fluid Type	Viscosity (cP)	Density (lbm/gal)	Yield Point (psi)	Temperature (°F)	Recorded @
Water	-	-	-	-	Oct 08, 2014 15:19

<b>Attachment &amp; Tools</b>										
<b>Tubular Plugs</b>										
Tubular Plug Type	Size (in)	Supplier								
Rubber Top	5,500	Client								

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen				Print Date:	October 09, 2014
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Pumping  
Service Report

9198795

Client Name Noble Energy Inc.	Well Name Government 43-14	Rig	Job Date October 23, 2014	Call Sheet 1049279
Client Representative Chuck Emerson	Surface Well Location SE NE Sec 14:T9N:R59W	Down Hole Well Location	Job Type Miscellaneous Pumping	

Well Profile

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)
9.875	20.000	0.000	6,513.000	--	--

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)
5.500	0.000	J-55	--	--	--	--	--	0.0	217.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.875	6.500	L & N-80	11,170.000	37.620	2.441	3.460	0.000	6,500.000

Products

Stage 1

From Depth (ft): 6296  
To Depth (ft): 6513  
Acids/Blends/Fluids :  
Tail: 100 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 20.5 (bbl)  
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 90

Stage 2

From Depth (ft): 5900  
To Depth (ft): 6200  
Acids/Blends/Fluids :  
Tail: 100 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 20.5 (bbl)  
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 90

1.15

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 22, 2014 20:18



Pumping  
Service Report

9198796

Client Name Noble Energy Inc.	Well Name Government 43-14	Rig	Job Date October 24, 2014	Call Sheet 1049336
Client Representative Chuck Emerson	Surface Well Location Sec 14:T9N:R59W	Down Hole Well Location	Job Type Miscellaneous Pumping	

Well Profile

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)
9.875	20.000	0.000	6,200.000	--	--

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)
5.500	14.000	J-55	3,120.0	4,270.0	5.30	5.012	6.050	0.0	217.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.875	0.000	L & N-80	--	--	--	--	0.000	6,180.000

Products

Stage 1

From Depth (ft):	5852
To Depth (ft):	6200

Acids/Blends/Fluids :

Tail: 150 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 31 (bbl)  
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80

Stage 2

From Depth (ft):	
To Depth (ft):	

Acids/Blends/Fluids :

Stage 3

From Depth (ft):	
To Depth (ft):	

Acids/Blends/Fluids :

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 22, 2014 20:18



# Pumping Service Report

9198797

Client Name Noble Energy Inc.	Well Name Government 43-14	Rig	Job Date October 24, 2014	Call Sheet 1049336
Client Representative Chuck Emerson	Surface Well Location Sec 14:T9N:R59W	Down Hole Well Location	Job Type Miscellaneous Pumping	

## Well Profile

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)
9.875	20.000	0.000	3,000.000	—	—

## 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)
5.500	14.000	J-55	3,120.0	4,270.0	5.30	5.012	6.050	0.0	217.0

## Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.875	6.500	L & N-80	11,170.000	17.360	2.441	3.460	0.000	3,000.000

## Products

### Stage 1

From Depth (ft):	2673
To Depth (ft):	3000

#### Acids/Blends/Fluids :

Tail: 150 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 31 (bbl)  
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80

### Stage 2

From Depth (ft):	
To Depth (ft):	

#### Acids/Blends/Fluids :

### Stage 3

From Depth (ft):	
To Depth (ft):	

#### Acids/Blends/Fluids :

## Fluid & Cement Data

Expected Cement Top: —

### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	—	—	—	—	Oct 22, 2014 20:18



**Pumping  
Service Report**

**9198943**

Client Name Noble Energy Inc.	Well Name Government 43-14	Rig	Job Date October 27, 2014	Call Sheet 1049480
Client Representative Chuck Emerson	Surface Well Location Sec 14:T9N:R59W	Down Hole Well Location	Job Type Miscellaneous Pumping	

**Well Profile**

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	9.330	2.441	3.668	0.000	1,612.000

**Products**

**Stage 1**

From Depth (ft):	1612
To Depth (ft):	200

**Acids/Blends/Fluids :**

Tail: 500 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 102.5 (bbl)  
Water Temperature(°F) = 66 , Bulk Temperature(°F) = 66 , Slurry Temperature(°F) = 71

**Stage 2**

From Depth (ft):	
To Depth (ft):	

**Acids/Blends/Fluids :**

**Fluid & Cement Data**

Expected Cement Top: —

**Wellbore Fluid**

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	—	—	—	—	Oct 22, 2014 20:18



## Pumping Service Report

9198944

Client Name Noble Energy Inc.	Well Name Government 43-14	Rig	Job Date October 28, 2014	Call Sheet 1049548
Client Representative Chuck Emerson	Surface Well Location Sec 14:T9N:R59W	Down Hole Well Location	Job Type Miscellaneous Pumping	

### Well Profile

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)
9.750	—	200.000	700.000	—	—

### 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)
5.500	17.000	J-55	4,910.0	5,320.0	4.65	4.892	6.050	0.0	200.0

### Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.875	6.500	J-55	7,680.000	4.050	2.441	3.668	0.000	700.000

### Products

#### Stage 1

From Depth (ft): 700  
To Depth (ft): 0  
Acids/Blends/Fluids :  
Tail: 460 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 94.5 (bbl)  
Water Temperature(°F) = 66 , Bulk Temperature(°F) = 66 , Slurry Temperature(°F) = 71

#### Stage 2

From Depth (ft):  
To Depth (ft):  
Acids/Blends/Fluids :

#### Stage 3

From Depth (ft):  
To Depth (ft):  
Acids/Blends/Fluids :

### Fluid & Cement Data

Expected Cement Top: --					
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 22, 2014 20:18