



# Service Ticket

9198201

## Field Estimate

Client Name Noble Energy Inc.			Well Name Murihead 01-04		Surface Well Location Sec 1:T4N:R65W		Job Date August 25, 2014	
			Job Type Miscellaneous Pumping		Down Hole Location		Service Point Fort Lupton	
Address P.O. Box 729			Client Representative Mr. Allen Miller		State CO		County Weld	
City Ardmore			Postal Code 73402		Drilling Company Leed		Rig No. 734	
							AFE/PO #	

District	Service, Equipment & Material Type	Disc	12	Code	Quantity/Unit	Unit Price	Amount
59	Travel Charge	56	12	1380	1		
59	Service Charge 3001 to 4000 ft	56	12	1004	1		
59	Twin Pumping	56	12	1150	1		
59	Handling Service Charge	56	12	1480	800		
59	Bulk Delivery / Return	56	12	1484	36		
59	SAM Unit	56	12	1497	1		
59	1-1-0	56	12	3002	300		
59	Sugar	-	12	2999	500		
59	EnviroBag	56	12	1492	1		
59	DF-3, Anti-foamer	56	12	3262	8		
59	Environmental Surcharge	-	12	1493	1		
59	Fuel Surcharge	-	12	2992	3		
59	CFL-3	56	12	3132	99		
59	CFR-2	56	12	3161	99		
59	Silica Flour	56	12	3295	4950		
59	Gel	56	12	3231	743		
59	SMS	56	12	3104	25		
59	OWG	56	12	3000	430		

* Not Subject to Discount		Field Estimate	
FOR OFFICE USE ONLY			
<input type="checkbox"/> Cementing - Prim	<input checked="" type="checkbox"/> Cementing - Rem	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Coiled Tubing	<input type="checkbox"/> Nitrogen	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Acidization	<input type="checkbox"/> Fracturing	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Industrial Services	<input type="checkbox"/> MPCT	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Other		<input type="checkbox"/>	<input type="checkbox"/>
Field		Sales 1	
		Sales 2	

This Space Reserved for Client Coding Stamp

Comments  
Job went according to prog and customer's request. Job went good.

This service ticket is not an invoice.  
This signature confirms that I am the authorized representative of the client.  
X

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

Print Date: August 25, 2014

Service Ticket: 9198201

Page 1 of 2



**Pumping  
Service Report**

**9198201**

Client Name Noble Energy Inc.	Well Name Murihead 01-04	Rig Leed 734	Job Date August 25, 2014	Call Sheet 1046112
Client Representative Mr. Allen Miller	Surface Well Location Sec 1:T4N:R65W	Down Hole Well Location	Job Type Miscellaneous Pumping	

**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	--	--	--	--	--

**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	21.91	8.097	9.625	0.0	344.0
4.500	15.100	J-55	--	--	--	--	--	--	--

**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	0.000	J-55	--	--	--	--	0.000	4,663.000

**Products**

**Plug 1**

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 300 Sacks of 1-1-0 G, Density = 13.5 lb/gal, Volume Pumped = 88 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75

- + 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)

**Plug 2**

From Depth (ft):

To Depth (ft):

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 430 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 88 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75



**Pumping  
Service Report**

**9198201**

**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	Aug 25,2014 11:00	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	Aug 25,2014 11:10	Tailgate Meeting	---	0.00	0.0	0.0	0.00	0.00
3	Aug 25,2014 11:20	Rig In	---	0.00	0.0	0.0	0.00	0.00
4	Aug 25,2014 11:50	Safety Meeting	---	0.00	0.0	0.0	0.00	0.00
5	Aug 25,2014 12:00	Sign-off on Safety	---	0.00	0.0	0.0	0.00	0.00
6	Aug 25,2014 12:02	Establish Circulation	Water	1.00	1,000.0	0.0	1.00	1.00
Remarks: Filling lines.								
7	Aug 25,2014 12:06	Pressure Test Lines	Water	0.00	2,600.0	0.0	0.00	1.00
8	Aug 25,2014 12:07	Establish Circulation	Water	1.00	1,300.0	0.0	10.00	11.00
9	Aug 25,2014 12:15	Pump	1-1-0 G	1.60	1,700.0	0.0	88.00	99.00
Remarks: Mix up and pump 300 sacks @13.5#, Yield 1.66, WR 7.92								
10	Aug 25,2014 13:13	Displace Fluid	Water	1.40	2,300.0	0.0	2.00	101.00
11	Aug 25,2014 13:17	Stop	---	0.00	0.0	0.0	0.00	0.00
Remarks: Rig was pulling out to 661'								
12	Aug 25,2014 14:08	Establish Circulation	Water	2.00	50.0	0.0	20.00	20.00
13	Aug 25,2014 14:24	Pump	0-1-0 G	2.00	800.0	0.0	88.00	108.00
Remarks: Mix up and pump 430 sacks @15.8#, Yield 1.15, WR 5.01								
14	Aug 25,2014 15:11	Displace Fluid	Water	2.00	900.0	0.0	2.00	110.00
15	Aug 25,2014 15:15	Rig Out	---	0.00	0.0	0.0	0.00	0.00
16	Aug 25,2014 16:00	Job Complete	---	0.00	0.0	0.0	0.00	0.00
17	Aug 25,2014 16:15	Pre-Departure Meeting	---	0.00	0.0	0.0	0.00	0.00
18	Aug 25,2014 16:30	Leave Location	---	0.00	0.0	0.0	0.00	0.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 7

Temperature (°F) : 80

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

**Material Transfer Sheet Number**

Material Transfer Sheet Number

46913

46922

46924

**Comments To Service Report**

Job went according to prog and customer's request. Job went good.



Client	Noble	Client Rep	Allen Miller	Supervisor	A Klosterman
Ticket No.	9198201	Well Name	Muirhead 01-04	Unit No.	745051
Location	Sec1:T4N:R65W	Job Type	Abandonment Plugs	Service District	505
Comments	Mix up and pump 300 sacks @13.5# Mix up and pump 500 sacks @15.8#				
				Job Date	08/25/2014

