

**Service Ticket****9200635****Field Estimate**

Client Name Noble Energy Inc.			Well Name Brown 44 - 24		Surface Well Location Sec 24:T4N:R66W		Job Date November 04, 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			State OK		Postal Code 73402		Pricing Area Area U	
Drilling Company Leed			Rig No. 734		AFE/PO #			
District	Service, Equipment & Material Type				Disc	12	Code	Quantity/Unit
59	Travel Charge				56	12	1380	1
59	Service Charge 0 to 2000 ft				56	12	1100	1
59	Twin Pumping				56	12	1150	1
59	Handling Service Charge				56	12	1480	196
59	Bulk Delivery / Return				56	12	1484	9.2
59	SAM Unit				56	12	1497	1
59	OWG				56	12	3000	196
59	Sugar				-	12	3265	300
59	EnviroBag				56	12	1492	1
59	DF-2, Anti-foamer				56	12	3261	1
59	Environmental Surcharge				-	12	1493	1
59	Fuel Surcharge				-	12	2992	2
* Not Subject to Discount					Field Estimate			
FOR OFFICE USE ONLY								
This Space Reserved for Client Coding Stamp								
Comments Job went good, no problems with any equipment. Pumped 196 sacks, 40 bbls of slurry through 1.25 for a annular fill. Displaceing 2 bbls.								
This service ticket is not an invoice. This signature confirms that I have reviewed and approved this service ticket.								



Pumping Service Report

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Client Name Noble Energy Inc.	Well Name Brown 44 - 24	Rig Leed 734	Job Date November 04, 2014	Call Sheet 1049897
Client Representative Mr Allen Miller	Surface Well Location Sec 24:T4N:R66W	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)
12.000	--	0.000	7,316.000	--	--

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	0.000	J-55	--	--	--	--	--	0.0	389.0
4.500	11.600	J-55	4,960.0	5,350.0	113.71	4.000	5.000	0.0	7,316.0

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	2.300	J-55	--	0.990	--	--	0.000	533.000

Products

Stage 1

From Depth (ft):

To Depth (ft):

Acids/Blends/Fluids:

Tail: 196 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

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 28, 2014 21:28



**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>
449095	TRAILER	Utility Trailer	201168	PICKUP	1 Ton	11/04/2014 08:30	11/04/2014 11:00
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	11/04/2014 08:30	11/04/2014 11:00
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	11/04/2014 08:30	11/04/2014 11:00

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	11/04/2014 08:30	11/04/2014 11:00		
Cox, Brandon	11/04/2014 08:30	11/04/2014 11:00		
Pyfer, Kevin	11/04/2014 08:30	11/04/2014 11:00		
Melgarejo Herrera, Eduardo	11/04/2014 08:30	11/04/2014 11:00		

Treatment Reports & Remarks



Pumping Service Report

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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	Nov 04, 2014 08:30	Arrive On Location Remarks: arrived on time		--	--	--	--	0.00
2	Nov 04, 2014 08:40	Tailgate Meeting Remarks: talked about spotting trucks		--	--	--	--	0.00
3	Nov 04, 2014 08:50	STEACS Briefing Remarks: talked about rigging up and the hazards		--	--	--	--	0.00
4	Nov 04, 2014 09:00	Rig In Remarks: rigged into the well		--	--	--	--	0.00
5	Nov 04, 2014 09:15	Sign-off on Safety Remarks: signed their and our JSA		--	--	--	--	0.00
6	Nov 04, 2014 09:16	Safety Meeting Remarks: talked about the job scope and safety concerns		--	--	--	--	0.00
7	Nov 04, 2014 09:27	Start - Fluid Remarks: filled lines for pressure test	Water	1.00	60.0	--	1.00	0.00
8	Nov 04, 2014 09:30	Pressure Test Remarks: pressured lines and they were good	Water	0.00	3,000.0	--	0.00	0.00
9	Nov 04, 2014 09:32	Establish Circulation Remarks: got good circulation	Water	2.00	440.0	--	7.00	0.00
10	Nov 04, 2014 09:37	Mix Cement Remarks: mixed slurry at 15.8	0-1-0 G	2.00	440.0	--	40.00	0.00
11	Nov 04, 2014 09:58	Pump Displacement Remarks: displaced till lines were clear	Water	2.00	200.0	--	2.00	0.00
12	Nov 04, 2014 10:00	Stop Remarks: rigged off for wash up		--	--	--	--	0.00
13	Nov 04, 2014 10:05	Wash Remarks: washed mix side and did run backs	Water	2.00	150.0	--	20.00	0.00
14	Nov 04, 2014 10:30	Rig Out Remarks: rig out our lines and 3rd party water		--	--	--	--	0.00
15	Nov 04, 2014 10:40	Pre-Departure Meeting Remarks: Journey mangement		--	--	--	--	0.00
16	Nov 04, 2014 10:50	Job Complete Remarks: do a complete walk around and check pins and trailers		--	--	--	--	0.00
17	Nov 04, 2014 11:00	Leave Location Remarks: go to the next job		--	--	--	--	0.00

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



Client	Noble Energy Inc.	Client Rep	Mr. Allen Miller	Supervisor	Quintin Johnson
Ticket No.	9200635	Well Name	Brown 44-24	Unit No.	445052
Location	Sec 24-T4N 0-R65W	Job Type	Miscellaneous Pumping	Service District	Ft Lupton CO
Comments	Pump 200 sacks of 0-1-0 G @ 15.8lbs/gal Job Date 11/04/2014				

