



Service Ticket

9191786

Field Estimate

MAY 1

Client Name Noble Energy Inc.			Well Name Rohn State May 01 LD-10-69-11H		Surface Well Location SW/SE Sec. 9 R2758N:R56W		Job Date July 23, 2014	
Address P.O. Box 729 Ardmore			Client Representative Chuck Emerson		State CO		County Weld	
City Ardmore			Postal Code 73402		Drilling Company Select		Rig No. 11	
District			Service, Equipment & Material Type		Disc		Code	
							Quantity/Unit	
							Unit Price	
							Amount	

District	Service, Equipment & Material Type	Disc	Code	Quantity/Unit	Unit Price	Amount
59	Travel Charge	56	1380	100		
59	Service Charge 2001 to 3000 ft 3000	56	1002	1		
59	Twin Pumping 3000	56	1150	1		
59	Handling Service Charge	56	1480	714		
59	Bulk Delivery / Return	56	1484	35		
59	STAR Lite	50	1415	1		
59	OWG	56	3000	300		
59	Calcium Chloride	56	3100	200		
59	EnviroBag	56	1492	1		
59	DF-2 Anti-foamer	56	3261	8		
59	Environmental Surcharge	-	1493	1		
59	Fuel Surcharge	-	2992	3		
59	Sugar	56	3000	300		
59	OWG	56	3000	140		
59	Calcium Chloride	56	3100	200		
59	Add. Loc. Time (Twin) - Operating	-	1395	2		
59	Bulk Standby Time	-	1398	5		
59	Add. Loc. Time (Twin) - Non Operating	-	1396	4		
59	SAM Unit	56	1497	1		

Well Name and No.
Rohn State LD 10-69-11H
139508

Project / AFE No.
Re Entry P&A

Task
3.2 8008

Acc. Code This Space Reserved for Client Coding Stamp

* Not Subject to Discount
56%

Field Estimate

FOR OFFICE USE ONLY

<input type="checkbox"/> Cementing - Prim	<input type="checkbox"/> Cementing - Rem.
<input type="checkbox"/> Coiled Tubing	<input type="checkbox"/> Nitrogen
<input type="checkbox"/> Acidization	<input type="checkbox"/> Fracturing
<input type="checkbox"/> Industrial Services	<input type="checkbox"/> MPCT
<input type="checkbox"/> Other	

Field Sales 1 CP Sales 2

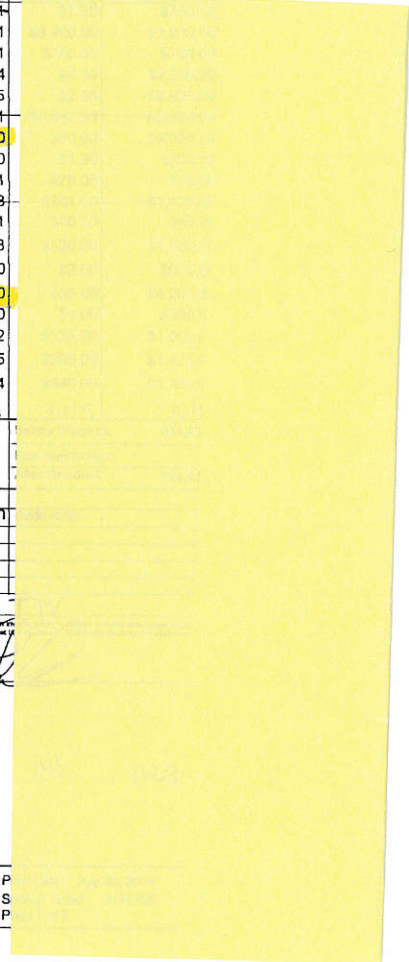
Comments
Job pumped according to Customer's request. Did not get cement to surface as planned on the second plug, had to order and wait for four hundred more sacks of cement to be brought out. Plugs went good. Got cement to surface on third plug.

Signature
CHUCK EMERSON

US Domestic / Accounts Payable

59 DF-2 Antifoamer

56 13 3262 8





**Pumping
Service Report**
9191786

Client Name Noble Energy Inc.	Well Name Nay 01	Rig Select 11	Job Date July 23, 2014	Call Sheet 1044513
Client Representative Chuck Emerson	Surface Well Location SW SE Sec 9:T58N:R58W	Down Hole Well Location	Job Type Cement Misc.	

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)
	4.750	—	150.000	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	17.000	N-80	6,290.0	7,740.0	3.49	4.892	6.050	0.0	150.0

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	6.400	L & N-80	11,170.000	17.360	2.441	3.500	0.000	3,000.000	

Products

Stage 1	
From Depth (ft):	0
To Depth (ft):	3000
Acids/Blends/Fluids :	
Tail: 100 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 20 (bbl) Water Temperature(°F) = 76 , Bulk Temperature(°F) = 78 , Slurry Temperature(°F) = 80	
Tail: 200 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 42 (bbl) Water Temperature(°F) = 76 , Bulk Temperature(°F) = 78 , Slurry Temperature(°F) = 80 + 1 % of CaCl ₂ (Prehydrate)	
Tail: 140 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 27 (bbl) Water Temperature(°F) = 76 , Bulk Temperature(°F) = 78 , Slurry Temperature(°F) = 80	

Fluid & Cement Data

Expected Cement Top:	Surface				
Wellbore Fluid					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	—	8.400	—	—	Jul 11, 2014 10:24

Treatment Report								
Event #	Event Time	Event Description	Fluid Type	Rate	Tubular Pressure	Annular Pressure	Stage Volume	Total Volume
				(bbl/min)	(psi)	(psi)	(bbl)	(bbl)
1	Jul 23, 2014 06:50	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
		Remarks: Rig crew still working on location						
2	Jul 23, 2014 07:00	Tailgate Meeting	---	0.00	0.0	0.0	0.00	0.00
3	Jul 23, 2014 07:30	Rig In	---	0.00	0.0	0.0	0.00	0.00
4	Jul 23, 2014 08:30	Safety Meeting	---	0.00	0.0	0.0	0.00	0.00
5	Jul 23, 2014 08:40	Sign-off on Safety	---	0.00	0.0	0.0	0.00	0.00
6	Jul 23, 2014 08:45	Pressure Test Lines	Water	0.00	987.0	0.0	0.00	0.00
7	Jul 23, 2014 08:47	Pump Preflush	Water	2.00	191.0	0.0	5.00	5.00
		Remarks: Fresh water spacer						
8	Jul 23, 2014 08:50	Mix Cement	0-1-0 G	2.10	217.0	0.0	20.00	25.00
		Remarks: 100sx of G @ 15.8ppg (Yield 1.15)						
9	Jul 23, 2014 09:05	Pump Displacement	Water	2.10	67.0	0.0	11.50	36.50
10	Jul 23, 2014 09:10	Stop	---	0.00	0.0	0.0	0.00	36.50
		Remarks: Plug balanced						
11	Jul 23, 2014 09:12	Pull Pipe	---	0.00	0.0	0.0	0.00	0.00
12	Jul 23, 2014 10:00	Pressure Test Lines	Water	0.00	1,409.0	0.0	0.00	36.50
13	Jul 23, 2014 10:02	Pump Preflush	Water	2.00	61.0	0.0	12.00	48.50
		Remarks: Fresh water spacer						
14	Jul 23, 2014 10:16	Mix Cement	0-1-0 G	2.00	87.0	0.0	42.00	90.50
		Remarks: 200sx of G @ 15.8ppg + 1% CaCl2 (did not get cement to surface) (Yield 1.15)						
15	Jul 23, 2014 10:35	Pump Displacement	Water	1.30	0.0	0.0	1.75	92.25
16	Jul 23, 2014 10:37	Wait On Instructions	---	0.00	0.0	0.0	0.00	0.00
		Remarks: Did not get cement to surface, waiting on more cement to arrive						
17	Jul 23, 2014 16:10	Pressure Test Lines	Water	0.00	1,201.0	0.0	0.00	92.25
18	Jul 23, 2014 16:11	Pump Preflush	Water	2.00	26.0	0.0	10.00	102.25
		Remarks: Fresh water spacer						
19	Jul 23, 2014 16:33	Mix Cement	0-1-0 G	2.00	17.0	0.0	22.00	124.25
		Remarks: 110sx of G + 1% CaCl2 @ 15.8ppg (yield 1.15)						
20	Jul 23, 2014 16:37	Wait On Instructions	---	0.00	0.0	0.0	0.00	0.00
21	Jul 23, 2014 17:10	Pump	0-1-0 G	0.50	0.0	0.0	5.00	129.25
		Remarks: 30sx of G + 1% CaCl2 @ 15.8ppg (Yield 1.15)						
22	Jul 23, 2014 17:15	Stop	---	0.00	0.0	0.0	0.00	0.00
23	Jul 23, 2014 17:00	Rig Out	---	0.00	0.0	0.0	0.00	0.00
24	Jul 23, 2014 18:10	Job Complete	---	0.00	0.0	0.0	0.00	0.00
25	Jul 23, 2014 18:20	Pre-Departure Meeting	---	0.00	0.0	0.0	0.00	0.00
26	Jul 23, 2014 18:30	Leave Location	---	0.00	0.0	0.0	0.00	0.00

Units & Personnel							
Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449087	TRAILER	Utility Trailer	201168	PICKUP	1 Ton	07/23/2014 06:50	07/23/2014 18:30
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	07/23/2014 06:50	07/23/2014 18:30
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	07/23/2014 06:50	07/23/2014 18:30
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	07/23/2014 06:50	07/23/2014 18:30

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Joyner, Barlen	07/23/2014 15:30	07/23/2014 18:30		
Durham, Adrian	07/23/2014 15:30	07/23/2014 18:30		
Wright, Isaac	07/23/2014 15:30	07/23/2014 18:30		
Estrada, John	07/23/2014 15:30	07/23/2014 18:30		
Byczynski, Michael	07/23/2014 15:30	07/23/2014 18:30		
Davila, Israel	07/23/2014 15:30	07/23/2014 18:30		

Treatment Reports & Remarks