



Noble Energy Inc.  
P.O. Box 729

Ardmore Oklahoma 73402

INVOICE: **9202452**

Field Ticket Number

Invoice Date Jan. 26, 2015

Terms Net 30 Days

Job Date Jan 21, 2015	Ordered By Allen Miller	Lease and Well Number SW/SW SEC.27 T3N R65W	AFE # 202030
Customer Representative / Attention To N/A		Customer Department / Business Unit US Domestic/Accountable M	Customer Code N/A

WELL NAME: RITCHEY

60.0	mile(s) Travel Charge		
	One Service Charge		
	One Twin Service Charge		
226	cubic feet Bulk Delivery		
10.60	ton(s) Bulk Delivery		
1	SAM Unit @ \$1,000		
225	sack(s) OWG @ \$1.00		*
43	lb(s) SPC-II @ \$1.00		*
1	EnviroBag(s) @ \$1.00		
4.00	gal(s) DF-3 @ \$1.00		*
1	Environmental Service		
2	Unit(s) Fuel Surcharge		
200	lb(s) Sugar @ \$2.00		*
Less	56.00% Primary Discount		

Thank you in advance for your payment  
February 25, 2015

Please make cheque payable to

2.90%  
0.00%

\* Please be noticed that the items were  
Sanjel USA, Inc.  
Corporate Head Office

Print Date: January 21, 2015  
Service Ticket: 9202452  
Page 1 of 2



## Pumping Service Report

9202452

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	--	--	--	0.000	1,226.000				
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	--	--	--	--	--	--	--	--
Tubing										
	Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)	
	1.050	2.300	--	--	--	--	--	0.000	1,226.000	
Products										
Stage 1										
From Depth (ft):		700								
To Depth (ft):		1226								
Acids/Blends/Fluids:										
Tail: 225 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 46 (bbl)										
Water Temperature(°F) = 40 , Bulk Temperature(°F) = 30 , Slurry Temperature(°F) = 76										
+ 0.2 % of SPC-2 (Preblend)										
Fluid & Cement Data										
Expected Cement Top:		Depth (ft): 700								
Wellbore Fluid										
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@					
Water	--	--	--	--	Oct 28, 2014 21:28					
Units & Personnel										
Units										
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location			
200868	PICKUP	3/4 Ton				01/21/2015 07:00	01/21/2015 10:00			
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/21/2015 07:00	01/21/2015 10:00			
446196	TRAILER	Bulker	746196	TRACTOR	Tandem - Tractor	01/21/2015 07:00	01/21/2015 10:00			
Crew and Bonuses										
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift						
Douglass, Brian (23898)	01/21/2015 07:00	01/21/2015 10:00								
Hansen, Ted (29055)	01/21/2015 07:00	01/21/2015 10:00								
Davine, Richard (29733)	01/21/2015 07:00	01/21/2015 10:00								
Johnson, Jakob (30073)	01/21/2015 07:00	01/21/2015 10:00								
Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen						Print Date: January 21, 2015				
Canada • USA • International						Service Report: 9202452				
						Page 2 of 3 V4.0.3.0				



## Pumping Service Report

9202452

Treatment Reports & Remarks							
Treatment Report							
Event#	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Total Volume (bbl)
1	Jan 21, 2015 07:00	Arrive On Location		--	--	--	0.00
2	Jan 21, 2015 07:10	Crew Briefing (Rig In)		--	--	--	0.00
3	Jan 21, 2015 07:30	Rig in Complete		--	--	--	0.00
4	Jan 21, 2015 08:00	Crew Briefing (Pre Job)		--	--	--	0.00
5	Jan 21, 2015 08:22	Pressure Test Start		--	2,000.0	--	0.00
6	Jan 21, 2015 08:23	Pressure Test Complete		--	--	--	0.00
7	Jan 21, 2015 08:25	Pump Preflush	Water	1.50	200.0	--	10.00
8	Jan 21, 2015 08:31	Pump	0-1-0 G	2.00	1,400.0	--	46.00
9	Jan 21, 2015 09:00	Displace Fluid	Water	1.50	1,000.0	--	2.00
10	Jan 21, 2015 09:08	Rig Out		--	--	--	0.00
11	Jan 21, 2015 09:45	Job Complete		--	--	--	0.00
12	Jan 21, 2015 10:00	Leave Location		--	--	--	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					
Material Transfer Sheet Number							
<u>Material Transfer Sheet Number</u>							
55187							
55186							



Client	NOBLE ENERGY	Client Rep	MR ALLEN MILLER	Supervisor	BRIAN DOUGLASS
Ticket No.	9202452	Well Name	RITCHIEY 1134-29	Unit No.	445047
Location	SW SW SEC 27-T3N-R65W	Job Type	Miscellaneous Pumping	Service District	FORT LUPKIN CO
Comments	22.5 SX G 46 B.H.S @ 15.8 PPG				
				Job Date	07/21/2015

