



HURRICANE SERVICES INC

Customer	Cobalt Energy LLC	Lease & Well #	Caroline A #2-19	Date	11/24/2018
Service District	Oakley,KS	County & State	Graham,KS	Legals S/T/R	19-06S-25W
Job Type	Production	<input checked="" type="checkbox"/> PROD	<input type="checkbox"/> NU	<input type="checkbox"/> SWD	Job #
				New Well?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> No
					Ticket #
					ICT1601

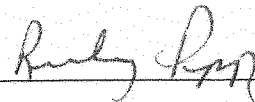
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
231	Paul	<input checked="" type="checkbox"/> Hard hat	<input type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
181/250	Alan	<input type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
180/256	Josh	<input checked="" type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
73	Glen	<input checked="" type="checkbox"/> FRC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Medical Locations
26	Travis	<input checked="" type="checkbox"/> Hearing Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	

Comments	
All chemicals delivered from the Oakley,KS service center	

Product/ Service Code	Description	Unit of Measure	Quantity	Net Amount
M010	Heavy Equipment Mileage	mi	132.00	\$448.80
M015	Light Equipment Mileage	mi	68.00	\$112.20
M020	Ton Mileage	tm	1,836.50	\$2,085.39
C010	Cement Pump	ea	1.00	\$637.50
CP025	H-Con	sack	320.00	\$5,712.00
CP035	H-Bond	sack	150.00	\$3,060.00
C050	Cement Plug Container	job	1.00	\$318.75
FE145	5 1/2" Float Shoe - AFU Flapper Type	ea	1.00	\$318.75
FE135	5 1/2" Turbolizers	ea	10.00	\$680.00
FE130	5 1/2" Cement Basket	ea	4.00	\$1,020.00
FE170	5 1/2" Latch Down Plug & Baffle	ea	1.00	\$297.50
CP170	Mud Flush	gal	500.00	\$786.25
AF055	Liquid KCL Substitute	gal	2.00	\$51.00
C035	Cement Data Acquisition	job	1.00	\$212.50

Customer Section: On the following scale how would you rate Hurricane Services Inc.?		Net:	\$15,740.64
Based on this job, how likely is it you would recommend HSI to a colleague?		Total Taxable	\$ -
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		Tax Rate:	
<small>Unlikely 1 2 3 4 5 6 7 8 9 10 Extremely Likely</small>		State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.	Sale Tax:
			\$ -
		Total:	\$ 15,740.64
		HSI Representative: Glen Fisher	

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/2% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for advice or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

x  _____ **CUSTOMER AUTHORIZATION SIGNATURE**



CEMENT TREATMENT REPORT

Customer: Cobalt Energy LLC	Well: Caroline A #2-19	Ticket: ICT1601
City, State: Wichita, KS	County: Graham	Date: 11/24/2018
Field Rep: Rick Popp	S-T-R: 19-06S-25W	Service: Cementing

Downhole Information	
Hole Size:	7.875
Hole Depth:	3959
Casing Size:	5.5
Casing Depth:	3954
Tubing / Liner:	
Depth:	
Tool / Packer:	
Depth:	
Displacement:	90.8

Slurry	
Weight:	12/14.5 # / sx
Water / Sx:	15.46/7.41 gal / sx
Yield:	2.57/1.63 ft³ / sx
Bbls / Ft.:	0.0232
Depth:	3954 ft
Volume:	bbls
Excess:	10% %
Total Slurry:	189.4 bbls
Total Sacks:	470 sx

Cement Blend		
Product	%	#
Class A	100.0	
Gel		
CaCl		
Metso		
KolSeal		
PhenoSeal		
Salt		
		Total

TIME	RATE	PSI	BBLs	REMARKS	TIME	RATE	PSI	BBLs	REMARKS
11:30 PM				Arrive on location					102 joints 5.5' 17#/ft ran
11:45 PM				Safety meeting					Centrilizers on 1,2,3,5,6,7,13,45,60,74
12:00 AM				Rig up equipment					Baskets on 13,45,60,74
2:15 AM				Start running casing					
3:36 AM				Casing on bottom					
4:09 AM	8.0	400.0		Rig circulates					
4:18 AM	3.0	1,200.0		Salt goes through auto fill shoe					
5:40 AM	4.0	200.0	10.0	Water ahead					
5:42 AM	4.0	200.0	12.0	Pump mud flush					
5:44 AM	4.0	200.0	10.0	Water behind					
5:50 AM	3.0	100.0	22.8	50 sacks mouse and rat hole					
6:00 AM	5.0	220.0	123.1	Pump 270 sacks at 12ppg, 2.56 yield					
6:59 AM	5.0	560.0	43.5	Pump 150 sacks at 14.5ppg, 1.63 yield					
7:12 AM				Stop drop plug					
7:16 AM	6.0	540.0		Start displacement 20% KCL					
7:35 AM		1,400.0	90.3	Land plug at 1900psi					
7:40 AM				Check floats/floats hold					
8:00 AM				Wash up equipment					
8:15 AM				Rig down					
8:30 AM				Depart location					
				10 bbls cement returned to surface					
				25 sacks returned to surface					
				Thank you for using Hurricane!					

CREW		UNIT	SUMMARY		
Cementer:	Glen Fisher	73	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Paul Williams	230	4.44444 bpm	502.00 psi	312.20 bbls
Bulk #1:	Josh Mosier	181/250	<i>Rick Popp</i>		
Bulk #2:	Alan Rogers	180/256			

Cobalt energy
WELL_NAME

