



1250 N. Water, Ste 200 - Wichita, Ks 67202

HURRICANE SERVICES INC

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer:	Owens Petroleum		Customer Name:	Bryson Owens		Ticket No.:	50183	
Address:			Contractor:			Date:	11/30/2017	
City, State, Zip:			Job type:	Longstring		Well Type:	Oil	
Service District:	Madison, Ks		Well Details:	Sec:		Twp:		R:
Well name & No.:	Collins 6-c		Well Location:	Piqua	County:	Woodson	State:	Kansas
Equipment #	Driver	Equipment #	Driver	Equipment #	Driver	TRUCK CALLED		
230	Kevin					ARRIVED AT JOB		
240	Mark					START OPERATION		
24	Jake					FINISH OPERATION		
						RELEASED		
						MILES FROM STATION TO WELL		50

Product/Service Code	Description	Unit of Measure	Quantity	List Price/Unit	Gross Amount	Net Amount
c001	Heavy Equip. One Way	mi	50.00	\$3.25	\$162.50	\$121.88
c002	Light Equip. One Way	mi	50.00	\$1.50	\$75.00	\$56.25
c004	Minimum Ton Mile Charge	ea	1.00	\$300.00	\$300.00	\$225.00
c020	Cement Pump	ea	1.00	\$675.00	\$675.00	\$506.25
cp008	70/30 Pozmix Cement	sack	117.00	\$13.70	\$1,602.90	\$1,202.18
cp014	Bentonite Gel	lb	206.00	\$0.30	\$61.80	\$46.35
cp038	Rubber Plug 2 7/8	ea	1.00	\$30.00	\$30.00	\$22.50
cp014	Bentonite Gel	lb	200.00	\$0.30	\$60.00	\$45.00

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 may 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 if such laws limit interest to a lesser amount. In the event it is necessary to employ an agency and/or attorney to affect the collection of said account, 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 and all discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount will become 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. Discount rate is based on 30 days net payment terms or cash.

DISCLAIMER NOTICE:

This technical data is presented in good faith, but no warranty is given by and H.S.I assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. The information presented is HSI best estimate of the actual results that may be achieved and should be used for comparison purposes and make no guarantee of future production performance. Customer warrants that well and all associated equipment in acceptable condition to receive services by H.S.I. Likewise, the customer will guarantee proper operational care of all customer owned production and associated equipment, while H.S.I. is on location performing services which could adversely affect the performance of such services. Authorization below acknowledges receipt and acceptance of all terms and conditions stated above.

 CUSTOMER AUTHORIZED AGENT

		Gross:	\$ 2,967.20	Net:	\$2,225.40
Total Taxable	\$ -	Tax Rate:			
Free and Acid service treatments designed with intent to increase production on newly drilled or existing wells are not taxable.		Sale Tax:	\$ -		
		Total:	\$ 2,225.40		
Date of Service:	11/30/2017				
HSI Representative:	Jake Heard				
Customer Comments:					

CEMENTING LOG

Company Owens Petroleum		Lease		Well Name/No. Colliris 6-c	
Type Job Longstring		Type & Amt Material 70:30 2% Gel			
Field		Ticket Number 50183			
CASING DATA					
Size 2.875"	Type	Weight		6.4 Collar	
Casing Depths: Top	0 Bottom	830'			
Drill Pipe: Size	Weight	Collars			
Open Hole: Size 5.875"	T.D. (ft) 840'	P.B. to (ft)			
CAPACITY FACTORS					
Casing	Bbls/Lin. ft.	0.00579		Lin. ft./Bbl	
Open Holes	Bbls/Lin. ft.			Lin. ft./Bbl	
Drill Pipes	Bbls/Lin. ft.			Lin. ft./Bbl	
Annulus	Bbls/Lin. ft.	0.0255		Lin. ft./Bbl	
	Bbls/Lin. ft.			Lin. ft./Bbl	
Perforations	From (ft)	To	Amount		
CEMENT DATA					
Spacer Type Gelled water					
Amt. 12 BBL	Sks Yield	ft ³ /sk Density (PPG)			
LEAD					
Pump Time (hrs)	Type	Excess			
Amt.	Sks Yield	ft ³ /sk Density (PPG)			
TAIL					
Pump Time (hrs)	Type 70:30 2% Gel	Excess		20%	
Amt. 117	Sks Yield	1.28 ft ³ /sk Density (PPG)		14.5	
WATER					
Lead	gals/sk	Tall	5.91 gals/sk Total (Bbls.)		16.46
Pump Trucks Used					230
Bulk Equipment					240
Float Equipment: Manufacturer					
Shoe: Type					Depth
Float: Type					Depth
Centralizers: Quantity	Plugs: Top	TRP			Bottom
Stage Collars					
Special Equipment					
Disp. Fluid Type	Amt. (Bbls.)	4.8		Weight (PPG)	
Mud Type WBM					

COMPANY REPRESENTATIVE Bryson Owens CEMENTER Jake Heard

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED/ TIME PERIOD	RATE (BBLs MIN.)	
						On location safety meeting
						Spot in and rig up
						Hook up to tubing
	250		5			3 Break circulation
	200		12			3 Pump gelled water
	200		3			3 Pump fresh water
	200		5			3 Pump dyed water
	150		26.67			3 Mix and pump cement
						Stop
						Wash pump and lines
						Drop plug
	300		4.8			3 Displace
	1200					3 Bump plug
						Release pressure
						Shut in well
						Wash up pump
						Rig down and leave location
						Thanks-- Jake, Kevin, and Mark