



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

**HURRICANE SERVICES INC**

104 Prairie Plaza Parkway - Garnett, Ks 66032

Customer: <b>Owens Petroleum</b>	Customer Name: <b>Bryson Owens</b>	Ticket No.: <b>50173</b>
Address:	Contractor:	Date: <b>10/31/2017</b>
City, State, Zip:	Job type: <b>Longstring</b>	Well Type: <b>Oil</b>
Service District: <b>Madison, Ks</b>	Well Details:	State: <b>Kansas</b>
Well name & No. <b>Collins 4-c</b>	Well Location: <b>Piqua</b>	County: <b>Woodson</b>
Equipment #	Driver	Equipment #
<b>230</b>	<b>Kevin</b>	
<b>241</b>	<b>Ron</b>	
<b>24</b>	<b>Jake</b>	
TRUCK CALLED		TIME
ARRIVED AT JOB		
START OPERATION		
FINISH OPERATION		
RELEASED		
MILES FROM STATION TO WELL		<b>50</b>

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	\$875.00	\$875.00	\$506.25
cp008		70/30 Pozmix Cement	sack	115.00	\$13.70	\$1,575.50	\$1,181.63
cp014		Bentonite Gel	lb	202.00	\$0.30	\$60.60	\$45.45
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.

X \_\_\_\_\_  
CUSTOMER AUTHORIZED AGENT

Gross: \$ 2,938.60	Net: \$ 2,203.95
Total Taxable \$ -	Tax Rate:
Sale Tax: \$ -	
Total: \$ 2,203.95	

Date of Service: **10/31/2017**

HSI Representative: **Jake Heard**

Customer Comments:

### CEMENTING LOG

Company	Owens Petroleum	Lease	Well Name/No.	Collins 4-c
Type Job	Longstring	Type & Amt Material	70:30 2% Gel	
Field		Ticket Number	50173	
<b>CASING DATA</b>				
Size	2.875"	Type	Weight	6.4 Collar
Casing Depths:	Top	0 Bottom	836'	
Drill Pipe:	Size	Weight	Collars	
Open Hole:	Size 5.875"	T.D. (ft)	850'	P.B. to (ft)
<b>CAPACITY FACTORS</b>				
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	
<b>CEMENT DATA</b>				
Spacer Type	Gelled water			
Amt.	12 BBL	Sks Yield	ft <sup>3</sup> /sk Density (PPG)	
<b>LEAD</b>				
Pump Time (hrs)		Type	Excess	
Amt.	Sks Yield	ft <sup>3</sup> /sk Density (PPG)		
<b>TAIL</b>				
Pump Time (hrs)		Type	70:30 2% Gel	Excess 20%
Amt.	115 Sks Yield	1.28 ft <sup>3</sup> /sk Density (PPG)	14.5	
<b>WATER</b>				
Lead	gals/sk	Tall	5.91 gals/sk Total (Bbls.)	16.18
Pump Trucks Used				230
Bulk Equipment				241
Float Equipment: Manufacturer				
Shoe: Type			Depth	
Float: Type			Depth	
Centralizers: Quantity		Plugs: Top TRP	Bottom	
Stage Collars				
Special Equipment				
Disp. Fluid Type		Amt. (Bbls.)	4.84 Weight (PPG)	
Mud Type	WBM		Weight (PPG)	
COMPANY REPRESENTATIVE <u>Bryson Owens</u> CEMENTER <u>Jake Heard</u>				

TIME AM/PM	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		26.21			3 Mix and pump cement
						Stop
						Wash pump and lines
						Drop plug
	300		4.84			3 Displace
	1200					3 Bump plug
						Release pressure
						Shut in well
						Wash up pump
						Rig down and leave location
						Thanks--- Jake, Kevin, and Ron