

**ORIGINAL**  
**KANSAS CORPORATION COMMISSION**  
**OIL & GAS CONSERVATION DIVISION**

Form ACO-1  
 June 2009  
**Form Must Be Typed**  
**Form must be Signed**  
**All blanks must be Filled**

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 32798  
 Name: Hart Energies, LLC  
 Address 1: 7122 S. Sheridan Road  
 Address 2: Suite 2-363  
 City: Tulsa State: OK Zip: 74133 + 2 7 4 8  
 Contact Person: William G. Hart, Member  
 Phone: ( 918 ) 633-4161  
 CONTRACTOR: License # 5822  
 Name: VAL Energy, Inc. - Wichita, KS 67202  
 Wellsite Geologist: William G. Hart  
 Purchaser: Gas = West Wichita Gas Gathering, LLC and Oil = Pamon Gathering, Inc.

API No. 15 - 15-077-21688-00-00  
 Spot Description: \_\_\_\_\_  
S2\_NW\_SE Sec. 29 Twp. 31 S. R. 9  East  West  
3,630 Feet from  North /  South Line of Section  
1,980 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
 County: Harper  
 Lease Name: Connie Sue Well #: 1  
 Field Name: Sharon North  
 Producing Formation: Mississippian

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  WSW  SWD  SIOW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

Elevation: Ground: 1,673' Kelly Bushing: 1,683'  
 Total Depth: 4,880' Plug Back Total Depth: 4,550'  
 Amount of Surface Pipe Set and Cemented at: 227' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set: \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from: \_\_\_\_\_  
 feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

If Workover/Re-entry: Old Well Info as follows:  
 Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Permit #: \_\_\_\_\_  
 Dual Completion Permit #: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  
 GSW Permit #: \_\_\_\_\_  

<u>6/21/10</u>	<u>6/30/10</u>	<u>11/30/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content: unknown ppm Fluid volume: \_\_\_\_\_ bbls  
 Dewatering method used: vacuum clear liquids, air dry & back fill  
 Location of fluid disposal if hauled offsite:  
 Operator Name: n/a  
 Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: [Handwritten Signature]  
 Title: Member Date: 12/8/2011

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
Alt 2 - Dlg - 12/20/11

Operator Name: Hart Energies, LLC Lease Name: Connie Sue Well #: 1  
 Sec. 29 Twp. 31 S. R. 9  East  West County: Harper

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Sonic Cement Bond Log,</b> <b>Dual Induction Log CNL/CDL MEL</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Topeka</td> <td>3,189'</td> <td>- 1,506'</td> </tr> <tr> <td>Mississippian Chert</td> <td>4,458'</td> <td>- 2,775'</td> </tr> <tr> <td>Mississippian Lime</td> <td>4,482'</td> <td>- 2,799'</td> </tr> <tr> <td>Kinderhook</td> <td>4,684'</td> <td>- 3,001'</td> </tr> <tr> <td>Viola (Dolomite)</td> <td>4,767'</td> <td>- 3,084'</td> </tr> <tr> <td>Viola (Lime)</td> <td>4,783'</td> <td>- 3,100'</td> </tr> <tr> <td>Simpson</td> <td>4,830'</td> <td>-3,147'</td> </tr> </table>	Name	Top	Datum	Topeka	3,189'	- 1,506'	Mississippian Chert	4,458'	- 2,775'	Mississippian Lime	4,482'	- 2,799'	Kinderhook	4,684'	- 3,001'	Viola (Dolomite)	4,767'	- 3,084'	Viola (Lime)	4,783'	- 3,100'	Simpson	4,830'	-3,147'
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Simpson	4,830'	-3,147'																							

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12 1/4"	8 5/8"	24	227'	60/40 POZ	175	3% Gel & 2% Cal Car
Production Casing	7 7/8"	5 1/2"	15.5	4,848'	60/40 POZ	25	4% Gel, 500 Gal ASF, 13 Gals KCL
					Cls "A" ASC	200	5# Kolseal .5% FL-160

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				<b>RECEIVED</b> <b>DEC 13 2011</b> <b>KCC WICHITA</b>

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	Set 5 1/2" Bridge Plugs @ 4,590' and at 4,550'		
6	Perf 4,458' - 4,468' Ttl 60 Shts/Gas Gun 4,460' - 4,466'	3,000 Gal 15% HCL, 30 Gal A G-1, 11 Gal KCL, 60 Gal. Iron Balls	4,458'-68'
		1,000 Gal 15% HCL, 11 Gal KCL, 10 Gal Iron Reducer	4,458'-68'
		70Q Foam Frac - 3,770 CSCF Nitrogen, 3000# 16/30	4,458'-68'
3/2' 4/6' 3/2'	Perf 4,768' - 4,778' Ttl 36 Shots/Gas Gun 4,771' - 4,775'	500 Gal 15% HCL, 20 Gal KCL Sub.	4,768'-78'

TUBING RECORD:	Size: 2 7/8	Set At: 4,433'	Packer At: None	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <b>11/30/2010</b>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
----------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Estimated Production Per 24 Hours	Oil Bbls. <b>Trace</b>	Gas Mcf <b>197</b>	Water Bbls. <b>5</b>	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <b>Mississippian 4,458' - 4,468'</b>
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PO BOX 31 Russell, KS 67665

# INVOICE

Invoice Number: 123231  
 Invoice Date: Jun 21, 2010  
 Page: 1

Voice: (785) 483-3887  
 Fax: (785) 483-5566

<b>Bill To:</b>
Hart Energies, LLC 6903 S. 78th East Avenue  Tulsa, OK 74133

Customer ID	Well Name# or Customer P.O.	Payment Terms	
HartE	Connie Sue #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Medicine Lodge	Jun 21, 2010	7/21/10

Quantity	Item	Description	Unit Price	Amount
105.00	MAT	Class A Common	15.45	1,622.25
70.00	MAT	Pozmix	8.00	560.00
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
175.00	SER	Handling	2.40	420.00
20.00	SER	Mileage 175 sx @ .10 per sk per mi	17.50	350.00
1.00	SER	Surface	1,018.00	1,018.00
20.00	SER	Pump Truck Mileage	7.00	140.00
1.00	EQP	8.5/8 Wooden Plug	68.00	68.00

*Handwritten:* CK # 277  
 (Discount) Pd 3,583.47  
 7/9/10

**RECEIVED**  
**DEC 13 2011**  
**KCC WICHITA**

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 1147.46

ONLY IF PAID ON OR BEFORE

Jul 16 2010

Subtotal	4,589.85
Sales Tax	141.08
Total Invoice Amount	4,730.93
Payment/Credit Applied	
<b>TOTAL</b>	<b>4,730.93</b>

# ALLIED CEMENTING CO., LLC. 041463

SHIP TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Medicine Lodge KS  
6-22 6-22

DATE <u>6-21-2010</u>	SEC. <u>29</u>	TWP. <u>31S</u>	RANGE <u>9W</u>	CALLED OUT <u>7:00pm</u>	ON LOCATION <u>9:00pm</u>	JOB START <u>12:00pm</u>	JOB FINISH <u>12:30pm</u>
LEASE <u>Cannie Sue</u>	WELL# <u>1</u>	LOCATION <u>Sheron KS SE to CR 150</u>			COUNTY <u>H9rper</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>4 north, Wilma</u>				

CONTRACTOR V91 #3  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4 T.D. 227'  
 CASING SIZE 8 5/8 DEPTH 227'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 20'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 13 bbls of fresh water

OWNER Hgt Energies  
 CEMENT AMOUNT ORDERED 175 sy 60' 40' 3+2

**EQUIPMENT**

JMP TRUCK CEMENTER Derin F  
 # 360-265 HELPER mett T  
 BULK TRUCK  
 # 356-252 DRIVER Jason T  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>A 105</u>	@ <u>15.45</u>	<u>1622.25</u>
POZMIX	<u>70</u>	@ <u>8.00</u>	<u>560.00</u>
GEL	<u>3</u>	@ <u>20.00</u>	<u>62.40</u>
CHLORIDE	<u>6</u>	@ <u>58.20</u>	<u>349.20</u>
ASC		@ _____	
<b>RECEIVED</b>			
<b>DEC 13 2011</b>			
<b>KCC WICHITA</b>			
HANDLING	<u>175</u>	@ <u>2.40</u>	<u>420.00</u>
MILEAGE	<u>175 / .10 / 20</u>		<u>350.00</u>
			<b>TOTAL 3,363.25</b>

**REMARKS:**

P. p. on bottom & break circulation  
Pump 3 bbls fresh water chgs, mix  
175 sy of cement, shut down, release  
plug, start displacement, pump 13 bbls  
of fresh water, shut in, cement did  
to get circulation to collar

CHARGE TO: Hgt Energies  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB	<u>227'</u>		
PUMP TRUCK CHARGE		@ <u>10.18</u>	<u>2310.00</u>
EXTRA FOOTAGE		@ _____	
MILEAGE	<u>20</u>	@ <u>7.00</u>	<u>140.00</u>
MANIFOLD		@ _____	
	<u>Hesd rents</u>	@ _____	
			<b>TOTAL 1158.00</b>

**PLUG & FLOAT EQUIPMENT**

<u>8 5/8</u>			
1-wooden plug	@	<u>68.00</u>	
	@		
	@		
	@		

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment

ALLIED CEMENTING CO.

WICHITA, KS

6/21/10



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887  
Fax: (785) 483-5566

# INVOICE

Invoice Number: 123385  
Invoice Date: Jun 30, 2010  
Page: 1

Bill To:
Hart Energies, LLC 6903 S. 78th East Avenue  Tulsa, OK 74133

Customer ID	Well Name# or Customer P.O.	Payment Terms	
HartE	Connie Sue #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Medicine Lodge	Jun 30, 2010	7/30/10

Quantity	Item	Description	Unit Price	Amount
15.00	MAT	Class A Common	15.45	231.75
10.00	MAT	Pozmix	8.00	80.00
1.00	MAT	Gel	20.80	20.80
200.00	MAT	ASC Class A	18.60	3,720.00
1,000.00	MAT	Kol Seal	0.89	890.00
94.00	MAT	FL-160	13.30	1,250.20
500.00	MAT	ASF	1.27	635.00
13.00	MAT	KCL	31.25	406.25
230.00	SER	Handling	2.40	552.00
15.00	SER	Mileage 230 sx @ .10 per sk per mi	23.00	345.00
1.00	SER	Production Casing	2,185.00	2,185.00
15.00	SER	Pump Truck Mileage	7.00	105.00
1.00	EQP	5.5 Top Rubber Plug	74.00	74.00
1.00	EQP	5.5 Guide Shoe	115.20	115.20
1.00	EQP	5.5 AFU Insert	128.00	128.00
5.00	EQP	5.5 Centralizer	36.80	184.00
2.00	EQP	5.5 Basket	184.00	368.00

RECEIVED

DEC 13 2011

KCC WICHITA

*pd 7/19/10  
#291*

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 2822.55

ONLY IF PAID ON OR BEFORE  
Jul 25, 2010

Subtotal	11,290.20
Sales Tax	429.47
Total Invoice Amount	11,719.67
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,719.67</b>

*\$8,897.12*

# ALLIED CEMENTING CO., LLC. 041515

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Medicine Lodge KS*

DATE <i>063010</i>	SEC. <i>29</i>	TWP. <i>31s</i>	RANGE <i>09w</i>	CALLED OUT	ON LOCATION	JOB START <i>11:30 AM</i>	JOB FINISH <i>12:21 PM</i>
LEASE <i>Connie Sue</i>	WELL # <i>1</i>	LOCATION <i>US 160 &amp; 150th Rd, 4N, w/side</i>		COUNTY <i>Harper</i>	STATE <i>KS</i>		
OLD OR NEW (Circle one)							

CONTRACTOR *Val #3*

TYPE OF JOB *Production Casing*

HOLE SIZE <i>7 7/8</i>	T.D. <i>4880</i>
CASING SIZE <i>5 1/2</i>	DEPTH <i>4856</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <i>400</i>	MINIMUM
MEAS. LINE	SHOE JOINT <i>42</i>
CEMENT LEFT IN CSG. <i>42'</i>	
PERFS.	
DISPLACEMENT <i>1 1/4 Bbls 2% KCL Water</i>	

OWNER *Hart Energy*

CEMENT  
AMOUNT ORDERED *25sx 60:40:4% gel*  
*& 200sx Class "A" ASC + 5" K Seal + .5%*  
*FL60 & 500gals ASF & 13 gal Clap no*

COMMON <i>15sx</i>	@ <i>15.45</i>	<i>231.75</i>
POZMIX <i>10sx</i>	@ <i>8.00</i>	<i>80.00</i>
GEL <i>1sx</i>	@ <i>20.80</i>	<i>20.80</i>
CHLORIDE	@	
ASC <i>200sx</i>	@ <i>18.60</i>	<i>3,720.00</i>
<i>Kol-seal 1000#</i>	@ <i>1.89</i>	<i>890.00</i>
<i>FI-160 94#</i>	@ <i>13.30</i>	<i>1,250.20</i>
<i>ASF 500gal</i>	@ <i>1.27</i>	<i>635.00</i>
<i>KCI 13 seal</i>	@ <i>31.25</i>	<i>406.25</i>

<b>RECEIVED</b>		
<b>DEC 13 2011</b>		
HANDLING <i>230sx</i>	@ <i>2.40</i>	<i>552.00</i>
MILEAGE <i>230sx 15x 10 =</i>		<i>345.00</i>
		<b>TOTAL <i>8,131.00</i></b>

**EQUIPMENT**

PUMP TRUCK CEMENTER *D Felia*

*372* HELPER *D. Franklin*

BULK TRUCK # *353-314* DRIVER *J. Thimesch*

BULK TRUCK # DRIVER

**REMARKS:**  
*Pipe on Btm, Break CxL, Pump Pre Flush, Plug Rat & Mow Hole w/ 25sx 60:40 cement, Mix 200sx "A" ASC cement, Stop Pump, Wash Pump & lines, Release Plug, Start Disp. w/ 2% KCL Water, See increase in PSI, Stop Rate Bump Plug at 1 1/4 Bbls total Disp., Release PSI, Float Dil Hole*

CHARGE TO: *Hart Energy*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB <i>4856</i>		
PUMP TRUCK CHARGE		<i>2185.00</i>
EXTRA FOOTAGE	@	
MILEAGE <i>15</i>	@ <i>7.00</i>	<i>105.00</i>
MANIFOLD <i>Hart Rental</i>	@	
		<b>TOTAL <i>2290.00</i></b>

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner on

*5 1/2"*

**PLUG & FLOAT EQUIPMENT**

<i>1-TRP</i>	@ <i>74.00</i>	<i>74.00</i>
<i>1-Guide Shoe</i>	@ <i>115.20</i>	<i>115.20</i>
<i>1-AFU insert</i>	@ <i>128.00</i>	<i>128.00</i>
<i>5- centralizers</i>	@ <i>36.80</i>	<i>184.00</i>
<i>2- Baskets</i>	@ <i>184.00</i>	<i>368.00</i>

# TECHNOLOGY

STIMULATION SERVICES

OFFICE:  
PO Box 516  
Benton, KS 67017  
Phone 316-778-2225

<b>INVOICE</b>	<b>Invoice #</b>	<b>Well Name</b>	<b>Invoice Date</b>	<b>Terms</b>
	10387	Connie Sue #1	07/16/10	Net 30

<b>Bill to:</b> Hart Energies, LLC 6903 S 78 East Ave Tulsa, OK 74133  Phone 918-633-4161	<b>Service Description</b>	
	Acid	
	<b>Service Group</b>	<b>Well Age</b>
	Acid	New
	<b>PO</b>	<b>Customer Rep</b>
	Terry Smith	

CODE	QTY	UOM	DESCRIPTION	UNIT PRICE	PRICE
1151	6	Gallon	Non E-1	\$37.00	\$222.00
1106	5	Gallon	Iron Reducer I-R	\$26.00	\$130.00
1451	1	Gallon	I-4 Low Temperature Inhibitor	\$45.00	\$45.00
1121	20	Gallon	Liquid KCL Substitute	\$50.60	\$1,012.00
1405	500	Gallon	15% HCL	\$1.79	\$895.00

2501	1	Per Job	350 HP Pump	\$700.00	\$700.00
2403	1	Per Job	AMU	\$500.00	\$500.00
2201	60	MI	Heavy Equip. One Way	\$5.00	\$300.00
2202	120	MI	Light Equip. One Way	\$3.00	\$360.00
2602	1	Each	Min.Transport	\$280.00	\$280.00

*PAID 8/12/10  
#315*

**RECEIVED**  
**DEC 13 2011**  
**KCC WICHITA**

State Sales Tax on: County: Harper Tax Rate:	<b>Fuel Surcharge</b>	
	<b>Subtotal</b>	\$4,444.00
	<b>Discounted Subtotal</b>	\$3,333.00
	<b>Taxes</b>	\$0.00
<b>Total Due:</b>		<b>\$3,333.00</b>

Accounts over 30 days past due will be charged interest at the rate of 1.5% per month or annual rate of 18%.

**Please Remit To:**  
Technology Stimulation Services  
200 W. Douglas Ste. 500  
Wichita, KS 67202





# TECHNOLOGY

STIMULATION SERVICES

10387

Date: 7/16/2010  
 Customer: Hart Energies LLC  
 Cust. Rep: Terry Smith  
 Well Age: NEW

Service Order #: **10386**  
 Well Name: Connie Sue #1  
 Legals: Sec 29-31S-9W  
 County: Harper  
 State: Ks  
 Job Type: Acid Treatment  
 Treater: Gary Anderson

Subject to Correction

<u>Chemicals</u>				<u>Unit Cost</u>	<u>Book Total</u>
1151	6	Gallon	Non E-1 1993	\$37.00	\$222.00
1106	5.0	Gallon	Iron Reducer I-R 2924	\$26.00	\$130.00
1451	1.0	Gallon	I-4 Low Temperature Inhibitor 1993	\$45.00	\$45.00
1121	20.0	Gallon	Liquid KCL Substitute 1993	\$50.60	\$1,012.00
CHEMICAL TOTAL					\$1,409.00
<u>Proppants/Diverters/Acid</u>					
1405	500	Gallon	15% HCL 190	1.79	\$895.00
PROPPANT TOTAL					\$895.00
<u>Equipment</u>					
2501	1.0	Per Job	350 HP Pump	\$700.00	\$700.00
2403	1.0	Per Job	AMU	\$500.00	\$500.00
2201	60.0	Mi	Heavy Equip. One Way	\$5.00	\$300.00
2202	120.0	Mi	Light Equip. One Way	\$3.00	\$360.00
2602	1.0	Each	Min. Transport	\$280.00	\$280.00
Equipment Total					\$2,140.00
					\$0.00
					\$0.00
					\$0.00
<b>JOB TOTAL:</b>					<b>\$4,444.00</b>

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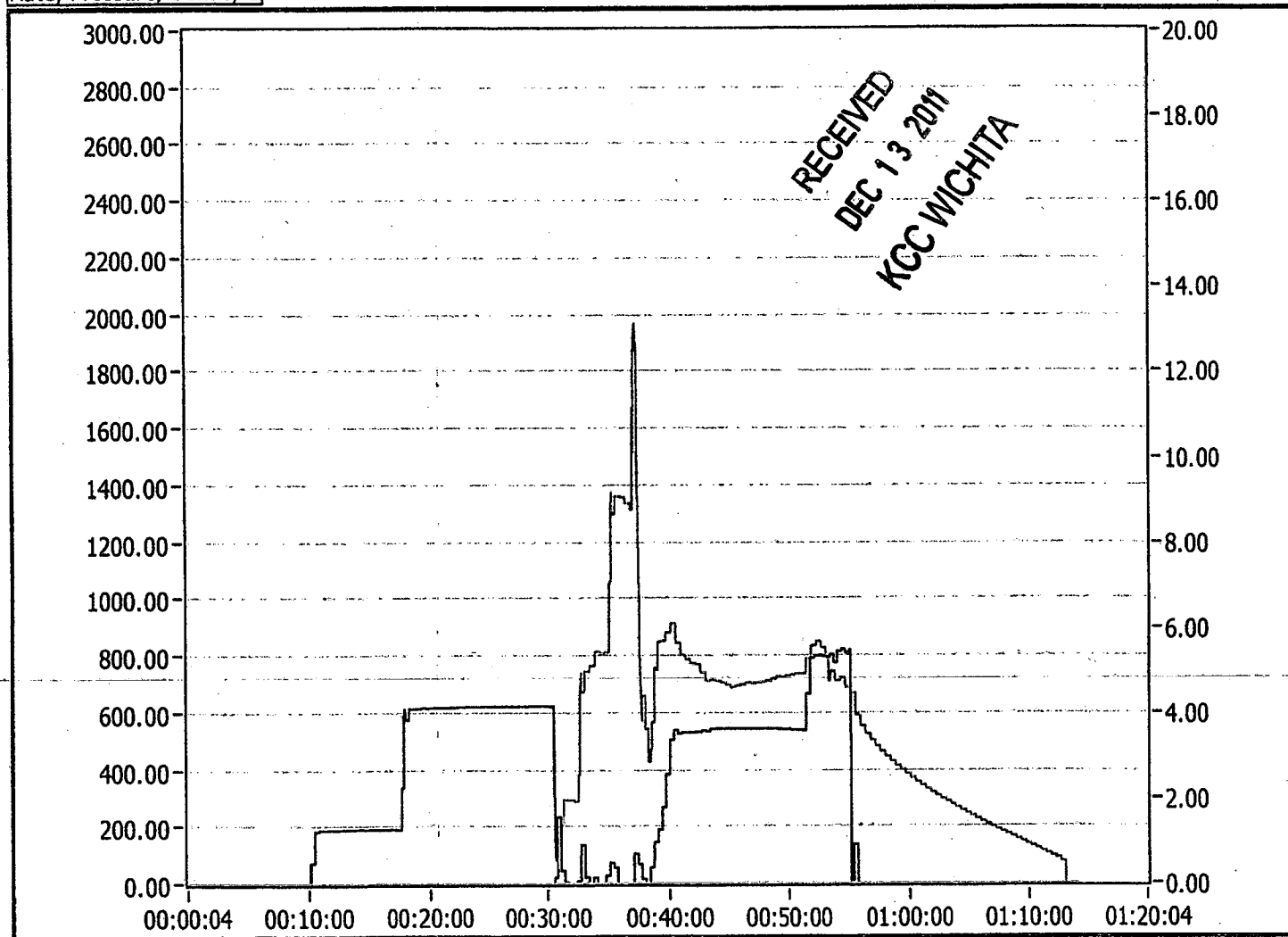
Equipment Fuel Surcharge:  
**DISCOUNTED TOTAL: \$3,333.00**  
 Sales Tax %  
**Grand Total \$3,333.00**

Materials Received by **X**

*Terry Smith*

# Connie Sue #1

Rate, Pressure, Density 1



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Clean Rate	
Slurry Rate	
Pressure 1	
Pressure 2	
Density	

7/30/10

02

# TECHNOLOGY

STIMULATION SERVICES

OFFICE:  
PO Box 516  
Benton, KS 67017  
Phone 316-778-2228

<b>INVOICE</b>	<b>Invoice #</b>	<b>Well Name</b>	<b>Invoice Date</b>	<b>Terms</b>
	10390	Connie Sue #1	07/21/10	Net 30

<b>Bill to:</b> Hart Energies LLC 6903 S 78 East Ave. Tulsa, OK 74133  Phone 918-633-4161	<b>Service Description</b>		
	Acid		
	<b>Service Group</b>	<b>Well Age</b>	
	Acid	New	
	<b>PO</b>	<b>Customer Rep</b>	
	Bill Hart & Terry Smith		

CODE	QTY	UOM	DESCRIPTION	UNIT PRICE	PRICE
1151	13	Gallon	Non E-1	\$37.00	\$481.00
1106	30	Gallon	Iron Reducer I-R	\$26.00	\$780.00
1451	6	Gallon	I-4 Low Temperature Inhibitor	\$45.00	\$270.00
1121	11	Gallon	Liquid KCL Substitute	\$50.60	\$556.60
1122	30	Gallon	ACID Gellant A G-1	\$57.35	\$1,720.50
1405	3000	Gallon	15% HCL	\$1.79	\$5,370.00
1602	60	Each	RCN BALLS 1.3 SPG .78 IN.	\$2.45	\$147.00

2502	1	Per Job	500 HP Pump	\$950.00	\$950.00
2403	1	Per Job	AMU	\$500.00	\$500.00
2201	60	MI	Heavy Equip. One Way	\$5.00	\$300.00
2202	120	MI	Light Equip. One Way	\$3.00	\$360.00
2602	2	Each	Min. Transport	\$280.00	\$560.00
2804	1	Each	Ball Injector	\$475.00	\$475.00

*pd 8/12/10  
# 315*

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**KCC WICHITA**

State Sales Tax on: <b>County:</b> Harper <b>Tax Rate:</b>	<b>Fuel Surcharge</b>	
	<b>Subtotal</b>	\$12,470.10
	<b>Discounted Subtotal</b>	\$9,352.58
	<b>Taxes</b>	\$0.00

**Total Due: \$9,352.58**

Accounts over 30 days past due will be charged interest at the rate of 1.5% per month or annual rate of 18%.

**Please Remit To:**  
Technology Stimulation Services  
200 W. Douglas Ste. 500  
Wichita, KS 67202

# TECHNOLOGY

STIMULATION SERVICES

Service Order #: **10389**  
 Well Name: Connie Sue #1  
 Legals: Sec 29-31S-9W  
 County: Harper  
 State: KS  
 Job Type: Acid  
 Treater: Kyle Smith

10390

Date: 7/21/2010  
 Customer: Hart Energies  
 Cust. Rep: Bill Hart & Terry Smith  
 Well Age: NEW

Subject to Correction

<u>Chemicals</u>				<u>Unit Cost</u>	<u>Book Total</u>
1151	13	Gallon	Non E-1	\$37.00	\$481.00
1106	30.0	Gallon	Iron Reducer I-R	\$26.00	\$780.00
1451	6.0	Gallon	I-4 Low Temperature Inhibitor	\$45.00	\$270.00
1121	11.0	Gallon	Liquid KCL Substitute	\$50.60	\$556.60
1122	30.0	Gallon	ACID Gellant A G-1	\$57.35	\$1,720.50
CHEMICAL TOTAL					\$3,808.10
<u>Proppants/Diverters/Acid</u>					
1405	3000	Gallon	15% HCL	1.79	\$5,370.00
1602	60	Each	RCN BALLS 1.3 SPG .78 IN.	2.45	\$147.00
PROPPANT TOTAL					\$5,517.00
<u>Equipment</u>					
2502	1.0	Per Job	500 HP Pump	\$950.00	\$950.00
2403	1.0	Per Job	AMU	\$500.00	\$500.00
2201	60.0	MI	Heavy Equip. One Way	\$5.00	\$300.00
2202	120.0	MI	Light Equip. One Way	\$3.00	\$360.00
2602	2.0	Each	Min.Transport	\$280.00	\$560.00
2804	1.0	Each	Ball Injector	\$475.00	\$475.00
Equipment Total					\$3,145.00
					\$0.00
					\$0.00
					\$0.00

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 KCC WICHITA

JOB TOTAL: \$12,470.10  
 Equipment Fuel Surcharge:  
 DISCOUNTED TOTAL: \$9,352.58  
 Sales Tax %  
 Grand Total \$9,352.58

Materials Received by **X** Terry Smith

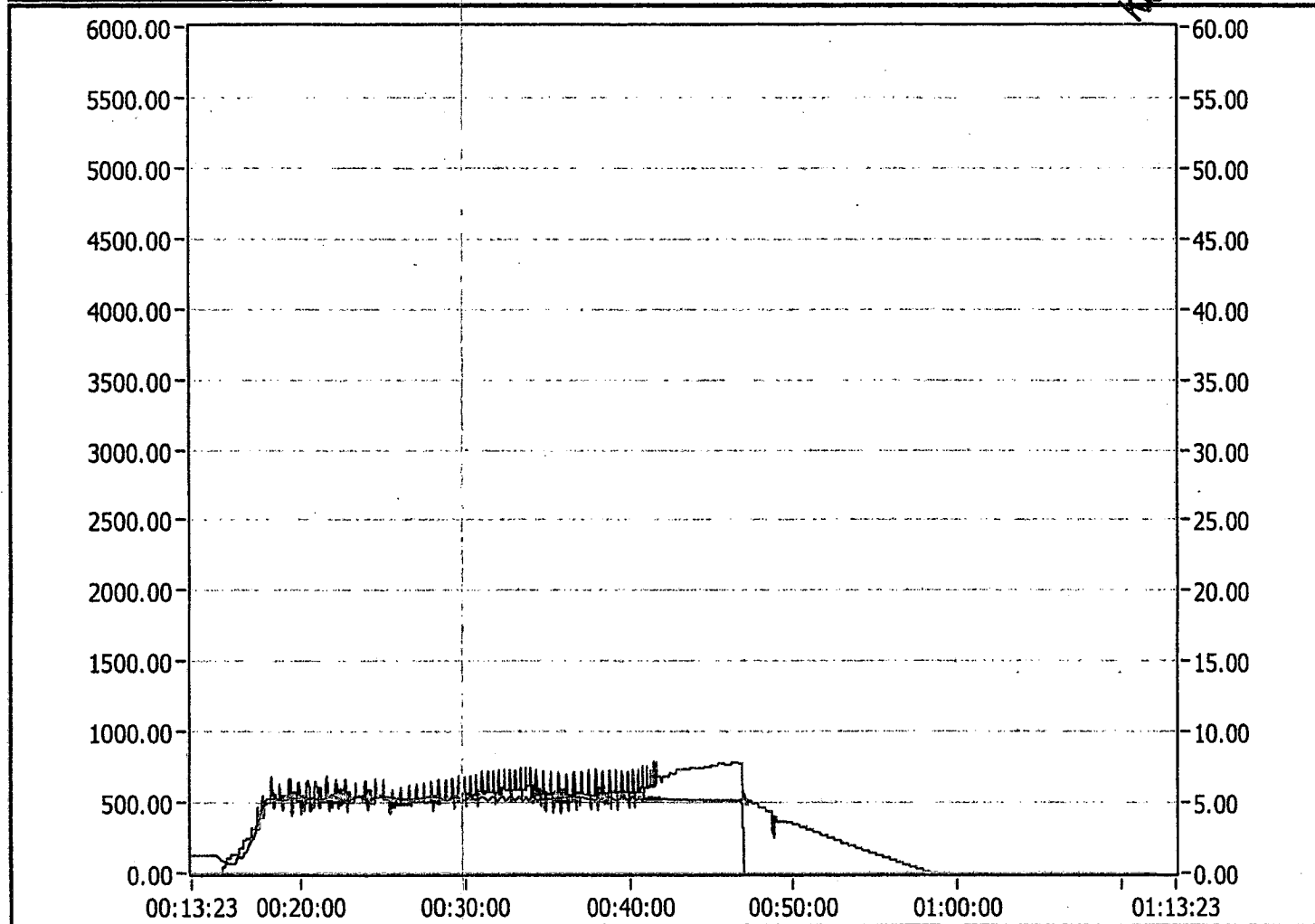


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### Connie Sue #1

MISSISSIPPI

Rate, Pressure, Density 1



- Clean Rate
- Slurry Rate
- Pressure 1
- Pressure 2
- Density



OFFICE:  
PO Box 516  
Benton, KS 67017  
Phone 316-778-2228

<b>INVOICE</b>	<b>Invoice #</b>	<b>Well Name</b>	<b>Invoice Date</b>	<b>Terms</b>
	10391	Connie Sue #1	07/24/10	Net 30

<b>Bill to:</b> Hart Energies LLC 6903 S. 78 East Ave. Tulsa, OK 74133  Phone 918-633-4161	<b>Service Description</b>	
	Acid	
	<b>Service Group</b>	<b>Well Age</b>
	Acid	New
	<b>PO</b>	<b>Customer Rep</b>
	Bill Hart & Terry Smith	

CODE	QTY	UOM	DESCRIPTION	UNIT PRICE	PRICE
1151	4	Gallon	Non E-1	\$37.00	\$148.00
1106	10	Gallon	Iron Reducer I-R	\$26.00	\$260.00
1451	2	Gallon	I-4 Low Temperature Inhibitor	\$45.00	\$90.00
1121	11	Gallon	Liquid KCL Substitute	\$50.60	\$556.60
1405	1000	Gallon	15% HCL	\$1.79	\$1,790.00

2501	1	Per Job	350 HP Pump	\$700.00	\$700.00
2403	1	Per Job	AMU	\$500.00	\$500.00
2201	60	MI	Heavy Equip. One Way	\$5.00	\$300.00
2202	180	MI	Light Equip. One Way	\$3.00	\$540.00
2602	2	Each	Min.Transport	\$280.00	\$560.00

*pd 8/12/10  
#315*

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State Sales Tax on: County: Harper Tax Rate:	<b>Fuel Surcharge</b>	
	<b>Subtotal</b>	\$5,444.60
	<b>Discounted Subtotal</b>	\$4,083.45
	<b>Taxes</b>	\$0.00
<b>Total Due:</b>		<b>\$4,083.45</b>

Accounts over 30 days past due will be charged interest at the rate of 1.5% per month or annual rate of 18%.

Please Remit To:  
Technology Stimulation Services  
200 W. Douglas Ste. 500  
Wichita, KS 67202

# TECHNOLOGY

STIMULATION SERVICES

Service Order #:

10391

~~10396~~

Well Name:

Connie Sue #1

Legals:

Sec 29-31S-9W

County:

Harper

State:

KS

Job Type:

Acid

Treater:

Kyle Smith

Date: 7/24/2010  
 Customer: Hart Energies  
 Cust. Rep: Bill Hart & Terry Smith  
 Well Age: NEW

Subject to Correction

<u>Chemicals</u>				<u>Unit Cost</u>	<u>Book Total</u>
1151	4	Gallon	Non E-1	\$37.00	\$148.00
1106	10.0	Gallon	Iron Reducer I-R	\$26.00	\$260.00
1451	2.0	Gallon	I-4 Low Temperature Inhibitor	\$45.00	\$90.00
1121	11.0	Gallon	Liquid KCL Substitute	\$50.60	\$556.60
CHEMICAL TOTAL					\$1,054.60
<u>Proppants/Diversers/Acid</u>					
1405	1000	Gallon	15% HCL	1.79	\$1,790.00
PROPPANT TOTAL					\$1,790.00
<u>Equipment</u>					
2501	1.0	Per Job	350 HP Pump	\$700.00	\$700.00
2403	1.0	Per Job	AMU	\$500.00	\$500.00
2201	60.0	MI	Heavy Equip. One Way	\$5.00	\$300.00
2202	180.0	MI	Light Equip. One Way	\$3.00	\$540.00
2602	2.0	Each	Min.Transport	\$280.00	\$560.00
Equipment Total					\$2,600.00
					\$0.00
					\$0.00
					\$0.00

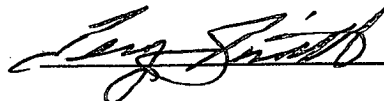
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**JOB TOTAL:** \$5,444.60

Equipment Fuel Surcharge:  
**DISCOUNTED TOTAL:** \$4,083.45

Sales Tax %  
**Grand Total** \$4,083.45

Materials Received by X





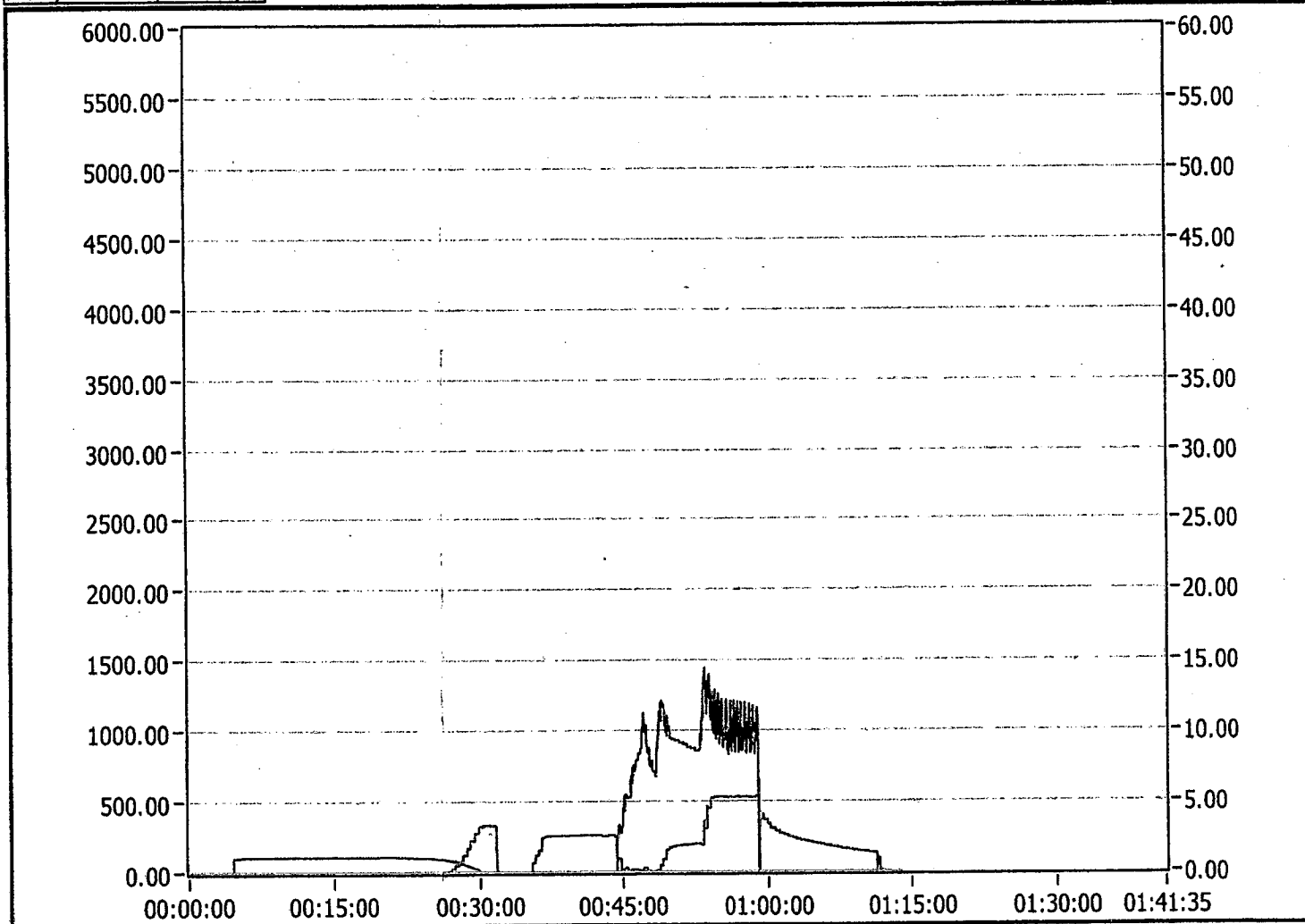


Connie Sue #1

MISSISSIPPI

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Rate, Pressure, Density 1



Clean Rate	▲
Slurry Rate	▲
Pressure 1	▲
Pressure 2	▲
Density	▲

8/9/10

OK



OFFICE:  
PO Box 516  
Benton, KS 67017  
Phone 316-778-2228

<b>INVOICE</b>	<b>Invoice #</b>	<b>Well Name</b>	<b>Invoice Date</b>	<b>Terms</b>
	1639	Connie Sue #1	07/27/10	Net 30

<b>Bill to:</b> Hart Energies, LLC 6903 S 78 East Ave Tulsa, OK 74133  Phone 918-633-4161	<b>Service Description</b>		
	70Q Foam Frac		
	<b>Service Group</b>	<b>Well Age</b>	
	Frac	New	
	<b>PO</b>	<b>Customer Rep</b>	
	Terry Smith		

CODE	QTY	UOM	DESCRIPTION	UNIT PRICE	PRICE
1101	52	Gallon	Tech-Foam	\$49.45	\$2,571.40
1132	15	Gallon	MicroTech 200	\$53.75	\$806.25
1201	297	Pound	Guar W-30	\$8.00	\$2,376.00
1304	1	Gallon	Aqua-Breaker	\$130.00	\$130.00
1121	15	Gallon	Liquid KCL Substitute	\$50.60	\$759.00
1151	15	Gallon	Non E-1	\$37.00	\$555.00
1305	15	Gallon	TechBreak 1000	\$52.00	\$780.00
1012	16	Gallon	Activator Super LC	\$71.40	\$1,142.40
1111	2	Pound	Bio-1	\$39.00	\$78.00
1023	140	CWT	20/40 St-Peters	\$21.00	\$2,940.00
1024	100	CWT	16/30 St-Peters	\$21.50	\$2,150.00
1008	3000	Pound	16/30 Low Temp RCS	\$0.99	\$2,970.00
1501	3770	CSCF	Nitrogen	\$2.35	\$8,859.50

2006	2	Each	Group Pump 1000 HP	\$3,000.00	\$6,000.00
2102	1	Each	11-20 BPM Blender	\$1,925.00	\$1,925.00
2351	1	Min	Nitrogen Transport	\$435.00	\$435.00
2303	1	Each	8000-12000 SCFM	\$3,000.00	\$3,000.00
2201	300	MI	Heavy Equip. One Way	\$5.00	\$1,500.00
2202	100	MI	Light Equip. One Way	\$3.00	\$300.00
2204	675	TM	Sand Cartage	\$1.60	\$1,080.00
2114	140	Cwt	Sand Pumping Chg. 20/40	\$0.50	\$70.00
2115	130	Cwt	Sand Pumping Chg. 16/30 12/20	\$1.25	\$162.50
2803	2	Each	Chem. Add Pump	\$150.00	\$300.00
2805	1	Each	Radioactive Densimeter	\$525.00	\$525.00
2801	1	Each	Boom Truck	\$400.00	\$400.00
2903	1	Each	4 IN. 5000 PSI Valve	\$750.00	\$750.00
2401	1	Per Job	T-DAT	\$2,500.00	\$2,500.00

pd 8/12/10 #315

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State Sales Tax on: County: Harper Tax Rate:	<b>Fuel Surcharge</b>	
	<b>Subtotal</b>	\$45,065.05
	<b>Discounted Subtotal</b>	\$33,798.79
	<b>Taxes</b>	\$0.00

**Total Due: \$33,798.79**

Accounts over 30 days past due will be charged interest at the rate of 1.5% per month or annual rate of 18%.

**Please Remit To:**  
Technology Stimulation Services  
200 W. Douglas Ste. 500  
Wichita, KS 67202

# TECHNOLOGY

STIMULATION SERVICES

Service Order #: 1639

Date: 7/27/2010  
 Customer: Hart Energies  
 Cust. Rep: Terry Smith  
 Well Age: NEW

Well Name: Connie Sue #1  
 Legals: Sec29-31S-9W  
 County: Harper  
 State: KS  
 Job Type: 70 Q Foam Frac  
 Treater: Gary Anderson

Subject to Correction

				Unit Cost	Book Total
1101	52	Gallon	Tech-Foam	\$49.45	\$2,571.40
1132	15.0	Gallon	MicroTech 200	\$53.75	\$806.25
1201	297.0	Pound	Guar W-30	\$8.00	\$2,376.00
1304	1.0	Gallon	Aqua-Breaker	\$130.00	\$130.00
1121	15.0	Gallon	Liquid KCL Substitute	\$50.60	\$759.00
1151	15.0	Gallon	Non E-1	\$37.00	\$555.00
1305	15.0	Gallon	TechBreak 1000	\$52.00	\$780.00
1012	16.0	Gallon	Activator Super LC	\$71.40	\$1,142.40
1111	2.0	Pound	Bio-1	\$39.00	\$78.00
CHEMICAL TOTAL					\$9,198.05
<b>Proppants/Diverters/Acid</b>					
1023	140	CWT	20/40 St. Peters	21	\$2,940.00
1024	100	CWT	16/30 St Peters	21.5	\$2,150.00
1008	3000	Pound	16/30 Low Temp RCS	0.99	\$2,970.00
1501	3770	CSCF	Nitrogen	2.35	\$8,859.50
PROPPANT TOTAL					\$16,919.50
<b>Equipment</b>					
2006	2.0	Each	Group Pump 1000 HP	\$3,000.00	\$6,000.00
2102	1.0	Each	11-20 BPM Blender	\$1,925.00	\$1,925.00
2351	1.0	Min	Nitrogen Transport	\$435.00	\$435.00
2303	1.0	Each	8000-12000 SCFM	\$3,000.00	\$3,000.00
2201	300.0	MI	Heavy Equip. One Way	\$5.00	\$1,500.00
2202	100.0	MI	Light Equip. One Way	\$3.00	\$300.00
2204	675.0	TM	Sand Cartage	\$1.60	\$1,080.00
2114	140.0	Cwt	Sand Pumping Chg. 20/40	\$0.50	\$70.00
2115	130.0	Cwt	Sand Pumping Chg. 16/30 12/20	\$1.25	\$162.50
2803	2.0	Each	Chem. Add Pump	\$150.00	\$300.00
2805	1.0	Each	Radioactive Densimeter	\$525.00	\$525.00
2801	1.0	Each	Boom Truck	\$400.00	\$400.00
2903	1.0	Each	4 IN. 5000 PSI Valve	\$750.00	\$750.00
2401	1.0	Per Job	T-DAT	\$2,500.00	\$2,500.00
Equipment Total					\$18,947.50
					\$0.00
					\$0.00
					\$0.00
<b>JOB TOTAL:</b>					<b>\$44,987.05</b>
Equipment Fuel Surcharge:					\$0.00
<b>DISCOUNTED TOTAL:</b>					<b>\$33,740.29</b>

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Materials Received by X



# TECHNOLOGY

STIMULATION SERVICES

Service Order #: 1639

Date: 7/27/2010  
 Customer: Hart Energies  
 Cust. Rep: Terry Smith

Well Name: Connie Sue #1  
 Legals: Sec20-31S-9W  
 County: Harper  
 State: KS  
 Job Type: 70 Q Foam Frac  
 Treater: Gary Anderson

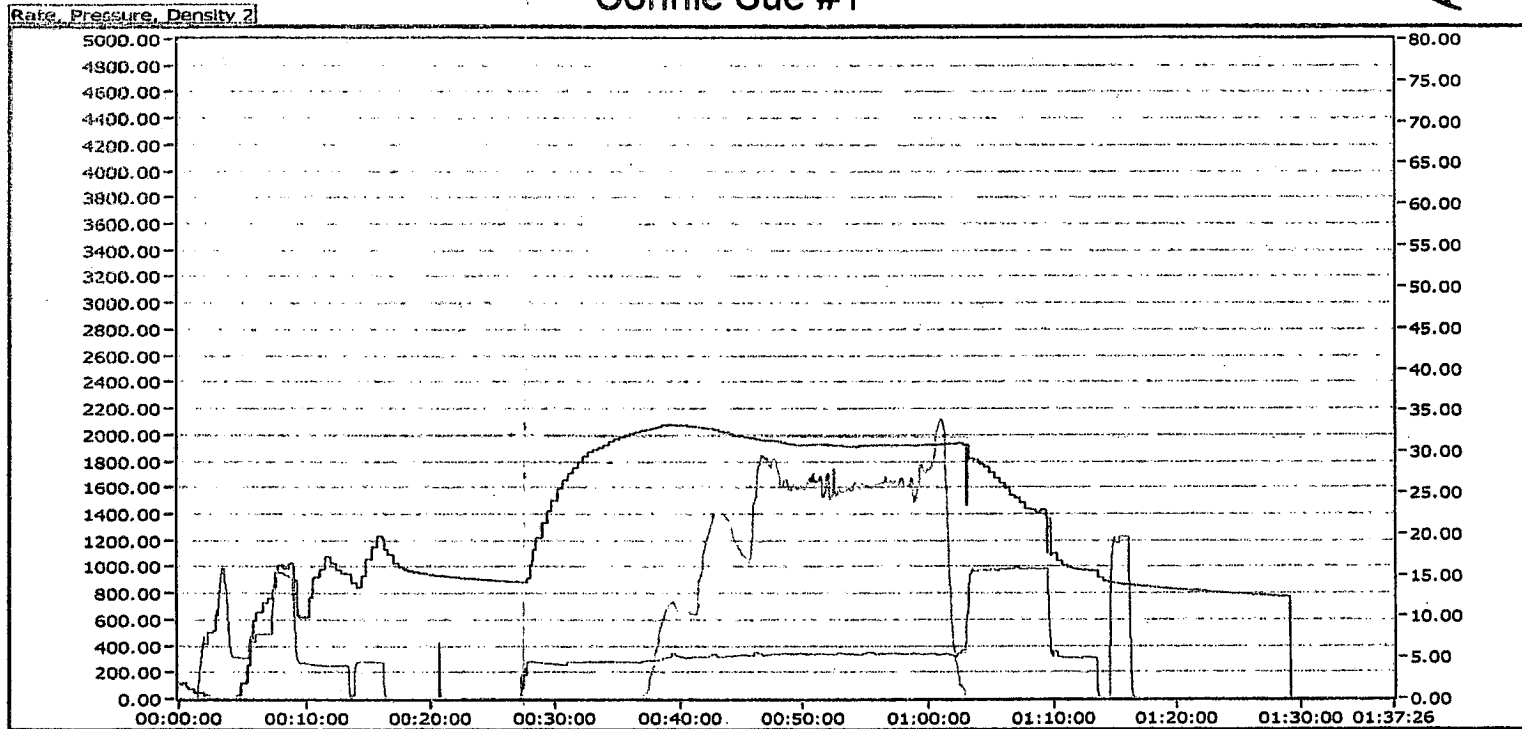
Formation:

Casing Size: 5.5" 15.5	Depth: 4458	Average Rate: 15				
Tubing Size:	Depth: 4468	Average Pressure: 1900				
Perf 1 From: 4458	To: 4468	Shots per Foot: 4 0.38				
Perf 2 From:	To:	Shots per Foot:				
Perf 2 From:	To:	Shots per Foot:				
Equipment: Blender Van Transport Frac Pumps	N2 Pump/Sand Trk Chem Trk Line Trk					
Unit #: 301 601 1002 803/804	902/504 703 701					
Operator: Jordan Shawn Scott/Kyle/JR Tilio/James	Brandon/Ronnie Grant Nate					
Time	Press.	Rate.	Bbl.	Prop.	Notes	
9:00					Arrived on location	
10:20					Safety meeting	
10:25	300				Prime up/pressure test	
10:31	591				Open well haed/ loaded @28 bbl	
10:32	955		76.6		Start pad/Est rate	
10:37	661	15	70		Increase Rate	
10:40	700	15			Start N2	
10:46					Shut down Fix N2 Pump	
10:57	1211	15			Start pad/est rate	
10:58	2038	15	21.4	3000	Start 3.33 ppg 20/40	
11:08	2047	15	21.4	4500	Start 5 ppg 20/40	
11:12	1557	15	17.9	6500	Start 6.67 ppg20/40	
11:17	1920	15	39.7	10000	Start 6.67 ppg 16/30 St.peters	
11:29	1918	15	22.2	3000	Start 6.67 ppg 16/30 RCS	
11:33	1922	15	106		Flush	
11:40	1362	5	20		Overflush	
11:43	966				ISIP	
11:48	873				5 min SIP	
11:53	805				10 min SIP	
11:58	777				15 min SIP	
Totals:					395.2	27000

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### Connie Sue #1



Clean Rate	
Slurry Rate	
Pressure 1	
Pressure 2	
Density	

