

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 3447
Name: Ranken Energy Corporation
Address 2325 S.W. 15th Street

City/State/Zip Edmond, OK 73013
Purchaser: Clear Creek

Operator Contact Person: Tom Larson
Phone (316) 792-3664
Contractor: Name: Emphasis Oil Operations
License: 8241

Wellsite Geologist: Doug Bellis
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

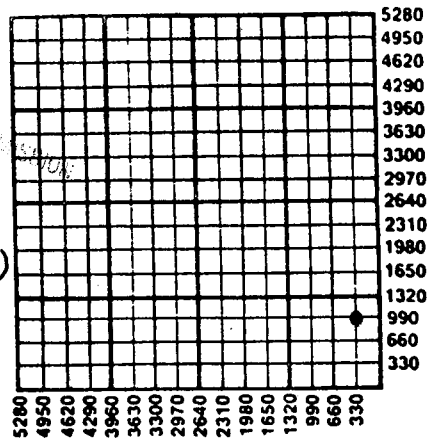
Drilling Method:
 Mud Rotary Air Rotary Cable
1-2-90 1-10-90 2-7-90
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23414-000
County Ness

NE SE SE Sec. 11 Twp. 20S Rge. 25 East West
990' Ft. North from Southeast Corner of Section
330' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Schweitzer Well # 1-11
Field Name Guzzlers Gulch North

Producing Formation Mississippian
Elevation: Ground 2401 KB 2406
Total Depth 4449 P8TD 4449



Amount of Surface Pipe Set and Cemented at 228.11 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1670.94 Feet
If Alternate II completion, cement circulated from 1671
feet depth to surface w/ 325 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 *Randolph J. Cop*
Title President Date 3-28-90
Subscribed and sworn to before me this 28th day of March,
19 90.
Notary Public *Patricia Crowell*
Date Commission Expires April 14, 1993

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL

SIDE TWO

Operator Name Ranken Energy Corp. Lease Name Schweitzer Well # 1-11
 Sec. 11 Twp. 20S Rge. 25 East West
 County Ness

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy.)

DST 1 4429-4445 15" 45" 60" 120" Rec.
 125' GIP, 170' CGO, 70' MCO (50% oil,
 48% mud, 2% water), IH 2291 IFP 25-33,
 ISIP 1178, FFP 05-109, FSIP 1168, IH
 2139.

Formation Description		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
T/Anhydrite	1646	1685
Heebner	3779	
Lansing	3822	
Ft. Scott	4334	
Cherorkee Sh.	4367	
Miss.	4432	

CASING RECORD New 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	12 1/4"	8 5/8"	20	228	60/40 Poz	135	2% gel, 3%cc
Production	7 7/8"	5 1/2"	14	4435	HLC	25	1/4# Flo-Cele
					EA-2	125	0.5% CFR-3
					HLC	325	1/4# Flo-Cele

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
		100 gal. 15% NEFe	
		500 gal. MOD 202	

TUBING RECORD Size 2 7/8" Set At 4449' Packer At N/A Liner Run Yes No

Date of First Production 2-7-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	61.79		65.13		38 Degrees

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval 4435-49'

JAN 1990

DISTRICT Hays, Ks

DATE 1-2-90

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Ranken Energy (CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 1-11 LEASE Schweitzer SEC. 11 TWP. 20S RANGE 25W

FIELD _____ COUNTY Ness STATE Ks OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 230 MUD WEIGHT _____
BORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>N</u>	<u>20</u>	<u>8 5/8</u>	<u>KB</u>	<u>228</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Cmd. 8 5/8" Surface Casg. with 135stk 60/40 pap 2% Gel, 3% CC

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees: ~~THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED~~

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

ORIGINAL SIGNED T.C. Jones CUSTOMER

DATE _____

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

TIME _____ A.M. P.M.

CUSTOMER

WELL DATA
FIELD _____ SEC. 11 TWP. 20^s RING. 25^w COUNTY. Ness STATE. Ks.

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 230

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>N</u>	<u>20</u>	<u>8 5/8</u>	<u>KB</u>	<u>228</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>LA-11</u>	<u>8 5/8"</u>	<u>1 HOWCO</u>
HEAD		
PACKER		
OTHER		

JOB DATA

CALLS OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>1-2-90</u>	DATE <u>1-2-90</u>	DATE	DATE
TIME <u>1900</u>	TIME <u>2030</u>	TIME	TIME

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL API

DISPL. FLUID _____ DENSITY _____ LB/GAL API

PROP. TYPE _____ SIZE _____ LB

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____ IN

PERFPAC BALLS TYPE _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>R. Legleiter</u>	<u>Comb.</u>	<u>Ness City, KS</u>
<u>R. Hammann</u>	<u>3580</u>	<u>Ness City, KS</u>
<u>R. Berens</u>	<u>Bulk</u>	<u>1 Keys, KS</u>
	<u>5125A</u>	

DEPARTMENT Comp.

DESCRIPTION OF JOB Inst. 8 5/8" Surface Casing

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X T.C. Janson

HALLIBURTON OPERATOR Reg. B. Legleiter COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>135</u>	<u>60-70 Pcc</u>		<u>B</u>	<u>2% Gel, 3% CC</u>	<u>1.28</u>	<u>14.36</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL _____ TYPE _____

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL. 14

CEMENT SLURRY 30.7

TOTAL VOLUME: BBL-GAL _____

REMARKS See Chart + Job Log
Thank You Reg

CUSTOMER: Rampen Energy
LEADER: Schweitzer
WELL NO.: 1-11
JOB TYPE: Surface
DATE: 1-2-90

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

HURTON SERVICES
Ottawa, Oklahoma 72633

FOR INVOICE AND
TICKET NO. **878525**

A Division of Halliburton Company

DATE 1-2-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Schweitzer #1-11	COUNTY Ness	STATE Kansas
CHARGE TO Hankin		OWNER Same	CONTRACTOR No. B 847968	
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 50325	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO S/W Ness City, Ks	TRUCK NO. 51252	RECEIVED BY R. Logleiter

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				135 Cu. Ft. Pozmix Cement 2% Gel							
504-308	516.00261	2	B	Standard Cement	81				5.45	441	45
506-105	516.00286	2	B	Pozmix (A)	54				2.88	155	52
506-121	516.00259	2	B	2sk Halibu ton Gel 02%							n/c
509-406	890.50812	2	B	Calcium Chloride Blended	26				26.25	78	75
Returned Mileage Charge					TOTAL WEIGHT		LOADED MILES		TON MILES		
SERVICE CHARGE ON MATERIALS RETURNED							CU. FEET				
500-207		2	B	SERVICE CHARGE				141	.95	133	95
500-306		2	B	Mileage Charge	12,050	18		108.450	.70	75	92
No. B 847968					CARRY FORWARD TO INVOICE				SUB-TOTAL		885 59

THIS IS NOT AN INVOICE

CUSTOMER

**IN SERVICES
JOB LOG**

WELL NO. 1-H LEASE Schweitzer TICKET NO. 818525
 CUSTOMER Ranken Energy PAGE NO. 1
 JOB TYPE Surface DATE 1-2-90

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							Called out
	2030							On Loc. Set up trucks
	2300							Rig Drilling
	2400							Start 8 5/8" Casing in hole
	2430							Casing in hole Break CIR. with Rig pump
	2440	5.5	31					Start MTRing 1352K. CWD.
		5.5						Finished miring Release Plug + Displace 14-51
	2445							Follow plug with measure line Plug down tagged at 913' CWD. in cellar
								shut in at well head
								Wash + Rack up truck
								Job Complete

Thank You
Rogge

RECEIVED
STATE COMMISSION
MAR 5 0 1990
COMMISSION DIVISION
WICHITA, KANSAS

CUSTOMER

DISTRICT Hays, Ks DATE 1-11-90
 TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE
 THE SAME AS AN INDEPENDENT CONTRACTOR TO: Ranken Energy (CUSTOMER)
 AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING
 WELL NO. 1-11 LEASE Schweitzer SEC 11 TWP. 20 RANGE 25
 FIELD _____ COUNTY Nes STATE Ks OWNED BY S...

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT:

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE <u>DV</u>	<u>4 1/2</u> SET AT <u>1670</u>						
TOTAL DEPTH <u>4445</u>	MUD WEIGHT						
BORE HOLE							
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Two-stage long string w/ formation packer shoe Bottom stage = 500' of 5" per
Flesh-K 2 1/2" st HIC of 1/4" Flood as arrangement = 125' sb (A2) w/ 7" Elenit per sb
Top-stage = 340' sb HIC of 1/4" Elenit per sb 15' sb of 2 1/2" 340' sb for cat hole

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As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

SIGNED J.C. Pearson CUSTOMER
 DATE 1-11-90
 I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

HALLIBURTON SERVICES

Duncan, Oklahoma 73538

A Division of Halliburton Company

TICKET

NO. **835913-1**

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME 1-11 Schwardtzer		COUNTY Ness	STATE Ks	CITY / OFFSHORE LOCATION	DATE 1-11-90
CHARGE TO Ranken Energy		OWNER Sine	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS		CONTRACTOR Emporis	LOCATION 1 Ness City, Ks		CODE 5035
CITY, STATE, ZIP		SHIPPED VIA Ness City	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2 Hays, Ks
WELL TYPE 01		WELL CATEGORY 01	DELIVERED TO SW of Ness City		LOCATION 3
TYPE AND PURPOSE OF JOB 035		WELL PERMIT NO. B-847980	ORDER NO.		REFERRAL LOCATION

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE 51145	18	mi			2.20	39.60
007-043	601-016	1		Pump Service	4430	ft			1100	1100.00
007-161		1		Additional Stg	1	ea			865	865.00
0188817		1		Super Flush K	12	sk			740	888.00
80	855.136	1		Formation Packer Shoe	1	ea	5 1/2	in	2400	2400.00
71	8138000	1		Multiple Stage Coker	1	ea	5 1/2	in	2450	2450.00
595	812.0195	1		DV. Latch Down Plug	1	ea			3450	3450.00
82	855.02545	1		Fill up Assy	1	ea			4500	4500.00
75	812.0162	1		Free Fall Plug	1	ea			4000	4000.00
40	807.93020	1		Centracers	7	ea	5 1/2	in	4400	30800.00
320	800.858	3		Chk Baskets	3	ea	5 1/2	in	900	2700.00

NOT AN INVOICE

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B-847980** **4100.74**

WAS JOB SATISFACTORILY COMPLETED?

WAS OPERATION OF EQUIPMENT SATISFACTORY?

WAS PERFORMANCE OF PERSONNEL SATISFACTORY?

T.C. LARSON
CUSTOMER OR HIS AGENT (PLEASE PRINT)

T.C. Larson
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

CUSTOMER

SUB TOTAL
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

HALLIBURTON SERVICES

JOB SUMMARY

HALLIBURTON DIVISION
LOCATION

Wichita Falls
Noss City, TX

BILLED ON TICKET NO. 835917

WELL DATA

SEC 11 TWP 20 RNG 25 COUNTY Noss STATE TX

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE Oil 4 Formation Pack. Set SET AT 4428, 1620

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 4443

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	14	5 1/2	RB	4428	
LINER						
TUBING						
OPEN HOLE				4428	4443	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>11-90</u>	DATE <u>11-90</u>	DATE <u>11-90</u>	DATE <u>11-90</u>
TIME <u>06:00</u>	TIME <u>08:15</u>	TIME <u>09:00</u>	TIME <u>17:00</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE <u>4 in. thru Pack. shoe</u>	<u>1</u>	<u>Hawsco</u>
CENTRALIZERS <u>5-1/2 in.</u>	<u>7</u>	<u>Hawsco</u>
BOTTOM PLUG <u>Oil 4. L.L.D. Down Pl. S.</u>	<u>1</u>	<u>Hawsco</u>
TOP PLUG <u>Oil 4. H.</u>	<u>1</u>	<u>Hawsco</u>
HEAD		
PACKER <u>Oil 4. S 1/2</u>	<u>1</u>	<u>Hawsco</u>
OTHER <u>Oil 4. Pack. S 1/2</u>	<u>2</u>	<u>Hawsco</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T. Fuchs</u>	<u>5115</u>	<u>Noss City, TX</u>
<u>R. Loggins</u>	<u>Comb.</u>	<u>Noss City, TX</u>
<u>K. Rehner</u>	<u>3703</u>	<u>H., TX</u>
<u>M. Chicklaus</u>	<u>0550</u>	<u>H., TX</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL-API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN. _____

NE AGENT TYPE _____ GAL. _____ IN. _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN. _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN. _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN. _____

BREAKER TYPE _____ GAL.-LB. _____ IN. _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN. _____

PERFPAC BALLS TYPE _____

OTHER _____

OTHER _____

DEPARTMENT Coal

DESCRIPTION OF JOB Two-stage long string

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X T.C. Johnson

HALLIBURTON OPERATOR Loggins COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	20	HLL	Premier	B	1/2" Fluor	1.96	12.4
2	175	CA	St. Joe	B	70% cement powder	1.55	13.0
3	340	HLL	Premier	B	1/2" Fluor	1.84	12.7

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

TREATING _____ DISPL. _____ OVERALL _____

FEET _____ REASON shoe joint

SUMMARY

PRESLUSH 500 gal TYPE S. per Fluor

LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____

CEMENT SLURRY: BBL-GAL _____

TOTAL VOLUME: BBL-GAL _____

REMARKS

CUSTOMER: P. G. ...
LEASE: ...
JOB TYPE: Two-stage long string
DATE: 1-11-90

BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. **835913**

DATE 1-11-90	CUSTOMER ORDER NO.	WELL NO. AND FARM	COUNTY Ness	STATE Kansas
CHARGE TO Rankin		OWNER Same	CONTRACTOR No. B 847980	
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 50325	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO S/W Ness City, Ks	TRUCK NO. 0530 3703	RECEIVED BY <i>[Signature]</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
				QTY.	MEAS.	QTY.	MEAS.			
504-308	516.00261	2 B	Standard Cement	125				5.45	681	25
504-118		2 B	Halliburton Light Cement	365	548			4.92	1,795	80
509-968	516.00315	2 B	Salt Blended	975	lb			.073	71	18
508-127	890.50131	2 B	Cal Seal Blended					14.90	89	40
507-153	516.00161	2 M	CFR-3 Blended	59	lb			3.90	230	10
507-210	890.50071	2 B	Floccale Blended	91	lb			1.23	111	93
5080291	70.15573	2 B	Gilsonite Blended	900	lb			.35	315	00

THIS IS NOT AN INVOICE

	Returned Mileage Charge	TOTAL WEIGHT	LOADED MILES	TON MILES
	SERVICE CHARGE ON MATERIALS RETURNED			CU. FEET
500-27	2 B SERVICE CHARGE			530 .95 503 50
500-306	2 B Mileage Charge	48,028 TOTAL WEIGHT	18 LOADED MILES	432.252 TON MILES .70 302 58
No. B 847980		CARRY FORWARD TO INVOICE		SUB-TOTAL 4,100 75

WELL NO. #1-11 LEASE Schwietzer TICKET NO. 835913
 CUSTOMER Ranken Energy PAGE NO. #1
 JOB TYPE Two-stage w/ Formation Protection DATE 7-11-90

TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
			T	C	TUBING	CASING	
06:00							Called down
08:30							On location / set up
09:40							Start csg w/ float eqpt
							Formation packer shoe, latch down kniffl
							7 centralizer on 1, 3, 5, 7, 67, 83, 94 cels
							BCnt Baskets on 68, 84, 100 f.s
							D.V tool on 68 feet at 1670 ft
11:50							Csg on bottom - dropped ball for fill
12:10							Tag bottom w/ circ.
12:20							Pick up 17 ft.
12:40							Drop ball to set packer shoe
12:40							Put on plug container
12:50							Stand circ.
13:00					1500		Set Formation Packer shoe
13:05							Circulate thru probe
13:34							Start bottom stage cut job
13:36	4	12					2 bbl Fresh water spacer
13:39	2	2					12 bbl Superflush K.
13:40	4 1/2	9					2 bbl Fresh water.
13:42	5	31					9 bbl HLC w/ 500mg/gal
13:48							31 bbl EA-2
13:50							Done mixing cut
13:57							Washed out lined dropped plug
							Started drop
14:10	6	108					65 bbl water - total 108 bbl
14:11		110			1200		43 bbls mud 5
14:13					0		Done w/ drop landed plug at 1200 ft
14:15							Released pressure - latch down ball
14:30					1300		Dropped bomb to open DV.
14:40	2	20					Open DV tool at 1300 PSI
15:15							Pump 20 bbls mud
16:00							Circulate for cement
16:06	4	111					Plug red hole 9/ 15 sts
16:28							Start mixing cut
16:39							Done mixing cut
							Released plug
							Continued on page #2

ORIGINAL

ICES
OG

WELL NO. 1-11 LEASE Schwietzr TICKET NO. 835918

CUSTOMER Rendon Energy PAGE NO. #2

JOB TYPE Two-stage w/ packer case DATE 1-11-90

SR-2

PART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	16:40							Continued from Page #1
	16:41							Released top stage plug
	16:51	4	41					Stalled displacement
	16:54						1500	Done w/ displacement
	16:52						0	Landed plug at 1500 PSI
								Released program
								DV closed
								Ctrl d, d circulate approx 100
	16:55							Worked up tol
	17:00							Racked up
	17:30							Job completed
								Thank you
								JRL

STATE RECEIVED
REGISTRATION COMMISSION
7 3 0 1990
COMMERCIAL DIVISION
Wichita, Kansas

T. Fuchs = 61473
R. Legleiter = 80711
K. Richmeier = 59731
M. Childers = 87383
D. R. Noland = 115118

CUSTOMER