

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

ORIGINAL

API NO. 15- 135-23,612-0000

County Ness

Sec. 15 Twp. 18S Rge. 26  E  W

Operator: License # 3447

Name: Ranken Energy Corporation

Address 2325 S. W. 15th

City/State/Zip Edmond, OK 73013

Purchaser: Koch Oil Company

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  SVD  SIOW  Temp. Abd.

Gas  ENHR  SIGW

Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SVD

Plug Back  PBD

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SVD or Inj?)  Docket No. \_\_\_\_\_

10/22/91 10/31/91 11-22-91  
Spud Date Date Reached TD Completion Date

4950 Feet from S/W (circle one) Line of Section

4290 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name Walter Well # 1-15

Field Name Val Jean

Producing Formation Mississippian

Elevation: Ground 2549' KB 2554'

Total Depth 4577' PBD \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 203 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 1906

feet depth to surface w/ 470 sx cnt.

Drilling Fluid Management Plan 2-26-92  
(Data must be collected from the Reserve Pit)

Chloride content 3000 ppm Fluid volume 9600 bbls

Devatering method used allow to dry

Location of fluid disposal if hauled offsite: N/A

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W \_\_\_\_\_

County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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.

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 [Signature]

Title President Date 1-02-92

Subscribed and sworn to before me this 2nd day of January 19 92.

Notary Public Janet J. Nicholm KANSAS CO.

Date Commission Expires July 12, 1994 JAN

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
DISTRIBUTION  
KCC \_\_\_\_\_  
KGS \_\_\_\_\_  
SVD/Rdp \_\_\_\_\_  
Plug \_\_\_\_\_  
Other \_\_\_\_\_  
1992  
CONSERVATION DIVISION  
WICHITA KS

Operator Name Ranken Energy Corporation Lease Name Walter Well # 1-15

Sec. 15 Twp. 18S Rge. 26W  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.)

Log		Formation (Top), Depth and Datum	Sample
Name	Top	Datum	
Anhydrite	1897	1925	
Heebner	3859		
Lansing	3899		
Stark	4152		
Base K/C		4220	
Pawnee	4350		
Ft. Scott	4409		
Cherokee	4432		
Mississippian	4504		

List All E.Logs Run: Dual Induction, Micro, Neutron - Density.  
 DST #1 4485-4510; Rec. 30' GIP & 40' HOCM. IH 2249; FH 2179; ISIP 834; FSIP 852; IFP 34-34; FFP 59-37; 30"-60"-97" 120"

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> Used							
New surface pipe, used production string. 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#	203'	60-40 Poz	135	2% gel 3% C
Production	7 7/8"	4 1/2"	10.5#	4565'	HLC EA-2	25 75	7 lb. gil. / sx

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1906	HLC	470	1/4 lb. Flocele/sx

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
4 JSPF	4504'-10'	500 gal., 15% MCA 4504-10

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4521	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SVD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
11-22-91				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	35	-0-	42	N/A 38

Disposition of Gas:  Vented  Sold  Used on Lease (if vented, submit ACO-15.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_  
 Production Interval \_\_\_\_\_

15-135-23612-0000



REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES ORIGINAL

A Halliburton Company

INVOICENO.	DATE
160375	12/19/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
WALTERS 1-15		NESS		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
NESS CITY		CHEYENNE WELL SER.		TOP OUTSIDE PRODUCTION CASING	
TICKET DATE		12/19/1991			
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
724776	T.C. LARSON			COMPANY TRUCK	27505

RANKEN ENERGY CORPORATION  
2325 S.W. 15TH  
EDMOND, OK 73013

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	MILEAGE	23	MI	2.60	59.80
009-134	CEMENT SQUEEZE	1906	FT	1,035.00	1,035.00
009-019		1	UNT		
030-016	CEMENTING PLUG SW ALUM TOP	4.5	IN	35.00	35.00
		1	EA		
504-316	HALLIBURTON LIGHT W/STANDARD	70	SK	5.25	367.50
504-300	STANDARD CEMENT	50	SK	5.45	272.50
507-210	FLOCELE	18	LB	1.30	23.40
509-406	ANHYDROUS CALCIUM CHLORIDE	1	SK	26.25	26.25
500-207	BULK SERVICE CHARGE	123	CFT	1.15	141.45
500-306	MILEAGE CMTG MAT DEL OR RETURN	112.520	TMI	.80	90.02
504-316	HALLIBURTON LIGHT W/STANDARD	400	SK	5.25	2,100.00
507-210	FLOCELE	100	LB	1.30	130.00
500-207	BULK SERVICE CHARGE	407	CFT	1.15	468.05
500-306	MILEAGE CMTG MAT DEL OR RETURN	369.80	TMI	.80	295.84
INVOICE SUBTOTAL					5,044.81
DISCOUNT-(BID)					1,000.95-
INVOICE BID AMOUNT					4,035.86
*-KANSAS STATE SALES TAX					171.53
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$4,207.39

RECEIVED  
KANSAS CONSERVATION COMMISSION  
JAN 17 1992  
CONSERVATION DIVISION  
WICHITA, KS

TERMS: 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'S FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.



ORIGINAL

TICKET

NO. 168375-9

2020 C.A.B.M. 35975  
FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME 1-15 Walters		COUNTY Ness	STATE Ks	CITY / OFFSHORE LOCATION	DATE 12-19-91
CHARGE TO Ranken Energy Corp		OWNER Sinn		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS 2325 S.W. 15th		CONTRACTOR Cheyenne Well Serv		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
CITY, STATE, ZIP Edmond OK 73013		SHIPPED VIA Ness City		LOCATION 1 Ness City, Ks	
WELL TYPE 01		WELL CATEGORY 02		FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	
TYPE AND PURPOSE OF JOB 030		WELL PERMIT NO. B-		DELIVERED TO N/W of Beeler, Ks	
		ORDER NO.		LOCATION 2 Grand Bend, Ks	
				LOCATION 3 Hwy, Ks	
				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, invoice 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 whose 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		
002-117		1		MILEAGE 51145	23	mi			260	5980
009-134	009-019	1		Pump Service	1906	ft			1035	10350
030-016		1		Top Plug SW	1	cu	4	in	35	3500

KANSAS CONSERVATION DIVISION  
JAN 1 1992  
CONSERVATION DIVISION  
WICHITA KS

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B- 002106 274144

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_

WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

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

X 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.

J. O. Fisher  
HALLIBURTON OPERATOR

J. O. Fisher  
HALLIBURTON APPROVAL

FIELD OFFICE

SUB TOTAL 4072.01  
5201.81  
APPLICABLE TAXES WILL BE ADDED ON INVOICE.

AND ORIGINAL  
TICKET CONTINUATION

FOR INVOICE AND  
TICKET NO. 118525



DATE <b>12-19-91</b>	CUSTOMER ORDER NO.	WELL NO. AND FARM <b>Walters #1-15</b>	COUNTY <b>Frank Hess</b>	STATE <b>Kansas</b>
CHARGE TO <b>Ranken Energy</b>		OWNER <b>Same</b>	CONTRACTOR No. <b>B942106</b>	
MAILING ADDRESS		DELIVERED FROM <b>Hays, Ks</b>	LOCATION CODE <b>25525</b>	PREPARED BY <b>Kuhn</b>
CITY & STATE		DELIVERED TO <b>H/E Beeler, KS</b>	TRUCK NO. <b>8845</b>	RECEIVED BY <i>L. O. P. C.</i>

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT			
		L	D		QTY.	MEAS.	QTY.	MEAS.					
504-316		2	B	Halliburton Light Cement	70				5.25	367	50		
<i>504-308</i>	<i>516.00261</i>			<i>46 Reg Part</i>									
<i>506-105</i>	<i>516.00286</i>			<i>24 PZM 17 A</i>									
<i>506-121</i>	<i>516.00259</i>			<i>4 Halliburton Gel</i>									
504-308	516.00261	2	B	Standard Cement	50				5.45	272	50		
507-210	890.50071	2	B	Flocele Blended	18	lb			1.30	23	40		
509-406	890.50812	2	B	Calcium Chloride B lended	1				26.25	26	25		
					Returned Mileage Charge		TOTAL WEIGHT		JAN 17 1992 LOADED MILES		TON MILES		
					SERVICE CHARGE ON MATERIALS RETURNED		CONSERVATION DIVISION WICHITA, KS		CU. FEET		CU. FEET		
500-207		2	B	SERVICE CHARGE					1.15	141	45		
500-306		2	B	Mileage Charge	11,252		20		.80	90	02		
					TOTAL WEIGHT		LOADED MILES		TON MILES				
No. <b>B 942106</b>					CARRY FORWARD TO INVOICE					SUB-TOTAL		922 12	



DISTRICT Pratt, Ks.

DATE 12-19-91

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Rancken Energy Corp (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1-15 LEASE Walter SEC. 15 TWP. 18 RANGE 26

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 WLRBP SET AT 3990  
TOTAL DEPTH 4500 MUD WEIGHT \_\_\_\_\_  
BORE HOLE \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	<u>u</u>	<u>102</u>	<u>4 1/2</u>	<u>62</u>	<u>4500</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS				<u>1906</u>	<u>1906</u>	<u>3</u>
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED  
Squeezing pump & circulate cont to surface w/ 470 sks HLC w/ 1/4" #1 pack  
& 50 sks standard 32cc.

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.

JAN 17 1992

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

CONSERVATION DIVISION WICHITA, KS

SIGNED T.C. Jarson CUSTOMER

DATE 12-19-91

TIME 11:30 A.M. P.M.

CUSTOMER *Runkel Energy Corp*  
 USER *Walters*  
 WELL NO. *1-15*  
 JOB TYPE *Stimulac*  
 DATE *12-19-91*

**WELL DATA**

FIELD \_\_\_\_\_ SEC. *15* TWP. *18* RNC. *26* 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 *WLRBP* SET AT *3990*  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH *4500*

**JOB DATA**

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <i>12-19-91</i>	DATE <i>12-19-91</i>	DATE <i>12-19-91</i>	DATE <i>12-19-91</i>
TIME <i>08:00</i>	TIME <i>12:30</i>	TIME <i>12:45</i>	TIME <i>19:30</i>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <i>5-w 4 1/2</i>	<i>1</i>	<i>Howe</i>
HEAD		
PACKER <i>WLRBP 4 1/2</i>	<i>1</i>	<i>Howe</i>
OTHER		

**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. \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
<i>T. Trachs</i>	<i>51145 Comb</i>	<i>Ness City, Ks</i>
<i>K. Carter</i>		
<i>M. Belyard</i>	<i>2656 Bull</i>	<i>Great Bend, Ks</i>
<i>Maughan</i>	<i>8845 Bull</i>	<i>Howe, Ks</i>
	<i>82361</i>	

DEPARTMENT *Cent*  
 DESCRIPTION OF JOB *Cent thru part. to surface*

JOB DONE THRU: TUBING  CASING  ANNULUS  TSG/ANN.

CUSTOMER REPRESENTATIVE *X T.C. Janson*

HALLIBURTON OPERATOR *Jed Janda* COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
<i>1</i>	<i>470</i>	<i>HLC</i>	<i>Porxim</i>	<i>B</i>	<i>6% wgt. to Floccul.</i>	<i>1.84</i>	<i>12.7</i>
	<i>50</i>	<i>Standard</i>	<i>Port</i>	<i>B</i>	<i>3% C.C.</i>	<i>1.18</i>	<i>15.6</i>

**PRESSURES IN PSI**

**SUMMARY**

**VOLUMES**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ TYPE \_\_\_\_\_  
 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 *40* REASON *Request*

PRELUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
 LOAD & BKON: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL.-GAL. *29.5*  
 CEMENT SLURRY \_\_\_\_\_ BBL.-GAL. *154 + 10.5 = 164.5*  
 TOTAL VOLUME \_\_\_\_\_ BBL.-GAL. \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

JAN 17 1992

CONSERVATION DIVISION  
 WICHITA, KS



HALLIBURTON SERVICES  
**JOB LOG**

WELL NO. # 1-15 LEASE Wichita  
 TICKET NO. 162510  
 CUSTOMER Ranken Energy Corp PAGE NO. #1  
 15-135-23672-0000  
 JOB TYPE Squeezing Perf DATE 12-19-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
1	08:00							Called out
	12:30							On location / set up bit Push w/ RBP down to 3970ft Rg to swab out of h.c. Landed csg & spot seal
	15:20						1300	Pressure test RBP to 1300PSI
	15:30						1300	Holding
	16:15							Perforate at 1906ft
	17:30							Started mixing cement 470-lb light sand
	18:25	3	165					Done mixing cement
	18:27							Released plug & washed out liner
	18:30							Start displacement
	18:40	3	291				500	Done w/ displacement
	18:45							Shut in at well head
	18:50							Washed up tub
	19:00							Racked up
	19:20							Job completed Cement did circulate approx: 70skts to p.p.

KANSAS CONSERVATION DIVISION  
 WICHITA, KS  
 JAN 17 1992

T. F. ...  
 Ken ...  
 B. J. ...  
 M. J. ...  
 51145-PTAR 88-11 B. S. H. H.

ORIGINAL

