

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

Operator: License # 6901
Name: D.S. & W. Well Servicing, Inc.
Address P.O. Box 231
1100 S. 1st St.
City/State/Zip Claflin, Kansas 67525
Purchaser: Texaco
Operator Contact Person: Joe Strube
Phone (316) 587-3361
Contractor: Name: D.S. & W. Well Servicing, Inc.
License: 6901
Wellsite Geologist: None

Designate Type of Completion

 New Well X Re-Entry Workover

 X Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: Hinkle Oil Company

Well Name: Lena

Comp. Date 1947 Old Total Depth 3365

 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD, SIOW, etc) Docket No. None

1947 original 1947 Arbuckle 1947

Spud Date 1947 Date Reached TD 1947 Completion Date 1947

API NO. 15- 009-01055 0001
County Barton **ORIGINAL**
NW - SW - NE - Sec. 27 Twp. 16 Rge. 11 X E
3630 ✓ Feet from SW (circle one) Line of Section
2310 ✓ Feet from EW (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE SE, NW or SW (circle one)
Lease Name Lena ✓ Well # 1
Field Name Kraft-Prusa
Producing Formation Arbuckle
Elevation: Ground 1925 KB 1930
Total Depth 3365 PBTB 3365
Amount of Surface Pipe Set and Cemented at 311 Feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set Feet
If Alternate II completion, cement circulated from 320'
feet depth to ground level w/ 150 sx cat.
Drilling Fluid Management Plan 11-2
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used fresh water

Location of fluid disposal if hauled offsite: SWD well
on lease

Operator Name D.S. & W. Well Servicing, Inc.

Lease Name Lena License No. 6901

NE Quarter Sec. 27 Twp. 16 S Rng. 11 E

County Barton Docket No. D23432

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 Joseph A. Strube

Title President D.S. & W. Well Servicing Date 06-02-92

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

Notary Public Karlynn K. Beck

Date Commission Expires 9-21-94

K.C.C. OFFICE USE ONLY	
F	Letter of Confidentiality Attached
C	Wireline Log Received
C	Geologist Report Received
STATE CORPORATION COMMISSION	
Distribution <u>6-3-92</u>	
<u> ✓ </u> KCC	<u> JUN </u> SWD <u> 1992 </u> NGPA
<u> </u> KGS	<u> </u> Plug <u> </u> Other
(Specify)	
CONSERVATION DIVISION	
Wichita, Kansas	

KARLYNN K. BECK
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 9-21-94

SIDE TWO

Operator Name D.S. & W. Well Servicing, Inc. Lease Name Lena Well # 1
 Sec. 27 Twp. 16 Rge. 11 ☐ East ☒ West
 County Barton

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.)

List All E.Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample
 Name Top Datum

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

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				2 casing leaks 1830' & 2650'
<input type="checkbox"/> Plug Back TD				Squeezed with 350 sacks 60-40 poz
<input type="checkbox"/> Plug Off Zone				held 400 psi when drilled out

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
	None		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	3330'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
June 1992	<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10 bbls.		600 bbls. water		40

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

☒ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled 3360'-3365'
☐ Other (Specify) _____

Production Interval

HALLIBURTON SERVICES

P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

A Halliburton Company

ORIGINAL

INVOICEND. 245729 DATE 05/21/1992

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER	
LENA 1		BARTON		KS	SANE	
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE	
GREAT BEND		COMPANY TOOLS	SQUEEZE HOLE IN CASING		05/21/1992	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER		SHIPPED VIA	FILE NO.
212210	JOE STRUBE				COMPANY TRUCK	24520

DIRECT CORRESPONDENCE TO:

D S & W
BOX 231
CLAFILIN, KS 67525FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	24	MJ	2.60	62.40 *
		1	UNT		
009-134	CEMENT SQUEEZE	1850	ET	1,035.00	1,035.00 *
009-019		1	UNT		
S10-222	SACK SAND	2	SK	8.60	17.20 *
504-308	STANDARD CEMENT	150	SR	6.06	909.00 *
506-105	POZMIX A	100	SK	3.40	340.00 *
506-121	HALLIBURTON GEL 2%	4	SK	.00	N/C *
509-406	ANHYDROUS CALCIUM CHLORIDE	2	SK	26.50	53.00 *
500-207	BULK SERVICE CHARGE	258	CFT	1.15	296.70 *
500-306	MILEAGE CMTC MAT DEL OR RETURN	266.64	TMI	.80	213.31 *
INVOICE SUBTOTAL					2,926.61
DISCOUNT-(BID)					430.99-
INVOICE BID AMOUNT					2,487.62
*-KANSAS STATE SALES TAX					105.17
* BARTON COUNTY SALES TAX					24.74
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					2,617.53

RECEIVED
STATE CORPORATION COMMISSION
JUN 3 1992
CONSERVATION DIVISION
Wichita, Kansas

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 FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT

ORIGINAL

As consideration, the above-named Customer agrees to pay Halliburton in accordance with the terms 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 OR 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 returned 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 or consequential damages.

[illegible]

B-942337

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.

771 Reg'd
HALLIBURTON OPERATOR

HALLIBURTON
APPROVAL

CUSTOMER

STATE CORPORATION COMMISSION
RECEIVED
JUN 27 1961
CONSULTATION TAXES WILL
BE ADDED ON INVOICE.
Wichita, Kansas

STATE	1.15	296	70
40	RECEIVED CORPORATION COMMISSION	13	31
SUB-TOTAL	1.86	01	
CONSERVATION DIVISION Wichita, Kansas	1993	12	01

WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO
INVOICE & TICKET NO. 2457DISTRICT PrattDATE 5-21-92

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO:

DSU

(CUSTOMER)

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

ORIGINAL

WELL NO. 1 LEASE LE 1114 SEC. 27 TWP. 15 RANGE 11FIELD _____ COUNTY Butler STATE KS OWNED BY Seam

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE _____ SET AT _____

TOTAL DEPTH _____ MUD WEIGHT _____

BORE HOLE _____

INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCFPRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. PSI
CASING			<u>5 1/2</u>	<u>0</u>	<u>3335</u>	<u>11.4</u>
LINER						
TUBING			<u>2 3/8</u>	<u>0</u>	<u>2140</u>	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

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 or the landing unreturned 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

SIGNED _____

DATE 5-21-92TIME 7:30 A.M. P.M.

CUSTOMER

RECEIVED

JUN 3 1992

CONSERVATION DIVISION
Wichita, Kansas

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.

CUSTOMER

WELL DATA

FIELD _____ SEC. 27 TWP. 15 RNG. 11 COUNTY Barton 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 _____

ORIGINAL
JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-21</u>	DATE <u>5-21</u>	DATE <u>5-21</u>	DATE <u>5-21</u>
TIME <u>11:00</u>	TIME <u>1:00</u>	TIME <u>6:00</u>	TIME <u>11:30</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

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

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

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

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 _____ QTY. _____

OTHER _____

OTHER _____

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>M. Kromholz</u>	<u>7770</u>	<u>Wichita</u>
<u>D. Kromholz</u>	<u>7770</u>	<u>Wichita</u>
<u>D. Kromholz</u>	<u>7770</u>	<u>Wichita</u>

DEPARTMENT _____

DESCRIPTION OF JOB _____

JOB DONE THRU: TUBING ☐ CASING ☐ ANNULUS ☐ TBG/ANN ☐

CUSTOMER REPRESENTATIVE X _____

HALLIBURTON OPERATOR 11 Kromholz COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>150</u>	<u>4010</u>	<u>P-2</u>	<u>15</u>	<u>2.6 GAL</u>	<u>1.21</u>	<u>1.1</u>

PRESSURES IN PSI
SUMMARY
VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. _____

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____

ORDERED _____ AVAILABLE _____ USED _____ REMARKS _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

RECEIVED
STATE CORPORATION COMMISSION
JUN 3 1992
CONSERVATION DIVISION
Wichita, Kansas

JOB LOG

FORM 2013 R-2

WELL NO. 1 LEASE 5544W PAGE NO. 5-21-92
 JOB TYPE 5544W - ORIGINAL DATE 5-21-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	9:30							on location
	9:00							Dump 2 SK Sand Down tub
								D. up 10 BBL
	9:28				1		300	Load Annulus Tool 1830
	9:30	1 3/4		1		900		Take Inj 1 3/4 BPM
	9:36		0	1		900		start to mix cement 100 SK
	9:50		22.6	1		900		Cement mix start D. up
	9:51		34.6	1		900		12 BBL flush out stage
	10:09		35.6	1		400		Pump 1 BBL 13 BBL out
	10:25		36.4	1		1000		Pump 1 BBL 11 BBL out
	10:53							wash out tub & Tools
	11:21			1		600		Pressure up
	12:53			1		600		" " OK
								move to Hole 1830
	1:17				1		500	Pressure Annulus
	1:20			1		400		Take Inj 2 1/2 BPM
	1:25		0	1		400		start to mix cement 11 "
	1:36		33.9	1		200		Cement mix start flush
	1:41		39.9	1		300		Pump 5 BBL stage
	2:12		39.9	1		25		wash up track
	2:27		40.9	1		200		Pump 1 BBL 6 BBL out
	2:47		42.9	1		1100		Pump 1 BBL 7 BBL out
	3:02		43.9	1		1100		Pump 2 BBL 9 BBL out
	3:17		44.9	1		1100		Pump 1 BBL 10 BBL out
	3:50							Pull 10 JT Set Adm
	3:58			1		200		Pressure up close in
								Back up
								Thank you
								51797-P

CUSTOMER

RECEIVED
 STATE CORPORATION COMMISSION
 JUN 5 1992
 CONSERVATION DIVISION
 Wichita, Kansas

HALLIBURTON SERVICES

ORIGINAL

P.O. BOX 951016
DALLAS, TX 75395 1016

INVOICE

A Halliburton Company

INVOICE NO.

DATE

245665 05/26/1992

WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
LENA 1	BARTON	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
GREAT BEND		SQUEEZE HOLE IN CASING	05/26/1992
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
212210	JOE STRUBE		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	14652

DIRECT CORRESPONDENCE TO:

U S & W
BOX 231
CLAFILIN, KS 67525

FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	25	MI	2.60	65.00 *
		1	UNT		
009-134	PUMP CHARGE	1760	FT	1,035.00	1,821.60 *
009-019		1	UNT		
504-300	STANDARD CEMENT	100	SK	6.06	606.00 *
509-406	ANHYDROUS CALCIUM CHLORIDE	1	SK	26.50	26.50 *
500-207	BULK SERVICE CHARGE	102	CFT	1.15	117.30 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	113.760	TMI	.80	91.01 *
INVOICE SUBTOTAL					1,640.81
DISCOUNT - (BID)					299.12
INVOICE BID AMOUNT					1,341.69
*-KANSAS STATE SALES TAX					70.17
*-BARTON COUNTY SALES TAX					16.50
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					1,428.26

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 FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

RECEIVED
STATE CORPORATION COMMISSION
JUN 8 1992
CONSERVATION DIVISION
Wichita, Kansas

WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 27561

ORIGINAL DATE 5-26-92

FORM 1908 (2-7)

A Division of Halliburton Company

DISTRICT West Coast

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: W. J. K. W.

(CUSTOMER)

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

WELL NO. 1 LEASE 1-2-2-2 SEC. 27 TWP. 15 RANGEFIELD COUNTY Butte STATE KS OWNED BY Son

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

PACKER: TYPE Resin SET AT 17

TOTAL DEPTH _____ 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			5"			
LINER						
TUBING			2 3/8"		17 1/2'	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

Resin packer holes 1824-1824 in 14 100 sks 3-4-92

1-2-2-2-27-15-1

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, broken 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 unreasonableness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton or 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 Section 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 short interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton and its agents 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 for 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, 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 testing unit 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

SIGNED _____

DATE _____

TIME _____ A.M. P.M.

CUSTOMER

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.

CUSTOMER

STATE OF KANSAS
JUN 3 1992
RECEIVED
CONSERVATION DIVISION
Wichita, Kansas

WELL DATA

FIELD _____ SEC. 27 TWP. 15S RNG. 11W COUNTY Barton 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 Tension SET AT 1750

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<u>5 1/2</u>	<u>0</u>	<u>2100</u>	<u>6000</u>
LINER						
TUBING			<u>2 3/8</u>	<u>0</u>	<u>1760</u>	<u>6000</u>
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		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

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 _____ QTY. _____

OTHER _____

OTHER _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>50</u>	<u>Standard</u>		<u>B</u>	<u>27 CC</u>	<u>1.18</u>	<u>15.1</u>
	<u>50</u>	<u>Standard</u>		<u>B</u>		<u>1.18</u>	<u>15.1</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 90 REASON Below fracture 1.18

SUMMARY

PRESLUSH: BBL-GAL. _____ TYPE _____

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

TREATMENT: BBL-GAL. _____ DISPL. BBL-GAL. 11.7

CEMENT SLURRY: BBL-GAL. 21.0

TOTAL VOLUME: BBL-GAL. _____

VOLUMES

REMARKS

10.2 BBL Tubing

1.5 BBL Graveling

STATE CORPORATION COMMISSION
RECEIVED
JUN 3 1992
CONSERVATION DIVISION
Wichita, Kansas

JOB LOG

WELL NO. 1 LEASE 1-1-1 TICKET NO. 1-1-1

CUSTOMER 1512 PAGE NO. 1

JOB TYPE 3510315 DATE 3-26-78

FORM 2013 R-2

[illegible]

CUSTOMER

RECEIVED
STATE CORPORATION COMMISSION
JUN 3 1992
CONSERVATION DIVISION
Wichita, Kansas