

ORIGINAL

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

Operator: License # 3842
Larson Operating Company
Name: A Division of Larson Engineering, Inc.
Address P.O. Box 553

City/State/Zip Great Bend, KS 67530-0553

Purchaser: _____

Operator Contact Person: Tom Larson

Phone (316) 792-3664

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Robert Stolzle

Designate Type of Completion
☐ New Well ☐ Re-Entry ☒ Workover

☐ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.
☐ Gas ☐ ENHR ☐ SIGW
☒ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc.)

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

Operator: CHIEF DRILLING CO., INC.

Well Name: BROOKOVER #1

Comp. Date 11/14/85 Old Total Depth 4690

☐ Deepening ☐ Re-Perf. ☐ Conv. to Inj/SWD
☐ Plug Back ☐ PBTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

8/9/91 8/11/91 N/A
Spud Date Date Reached TD Completion Date

API NO. 15- 171-20,311 X0001

County SCOTT

SE - NW - SE - Sec. 26 Twp. 17S Rge. 32 X E

1650 Feet from S/ (circle one) Line of Section

1650 Feet from E/ (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ SE, ☐ (circle one)

Lease Name BROOKOVER Well # 1 "OWWO"

Field Name (WILDCAT)

Producing Formation _____

Elevation: Ground 2976 KB 2981

Total Depth 1830 PBTD _____

Amount of Surface Pipe Set and Cemented at 292 PREV SET Feet

Multiple State Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ACT II D&A
(Data must be collected from the Reserve Pit)

Chloride content 6000 ppm Fluid Volume 3762 bbls

Dewatering method used ALLOWED TO DRY

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____

_____ Quarter _____ Sec. _____ Twp. _____ Rng. _____ 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 geological well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-116 form with 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 Carol J. Sun

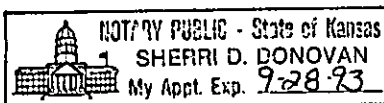
Title Secretary/Treasurer Date 10/28/91

Subscribed and sworn to before me this 28TH day of OCTOBER, 1991.

Notary Public Sherri D. Donovan
Sherri D. Donovan

Date Commission Expires September 28, 1993

CONSERVATION C.C. OFFICE USE ONLY
F ☐ Letter of Confidentiality Attached
C ☐ Wireline Log Received
C ☒ Geologist Report Received
Distribution
☒ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☐ Other
(Specify)



Operator Name Larson Operating Company,
A Division of Larson Engineering, Inc. Lease Name BROOKOVER Well # #1 "OWO"
Sec. 26 Twp. 17S Rge. 32 ☐ East County SCOTT
☒ West

Instructions: Show important tops and base of formation 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 Datums ☐ 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
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

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

TUBING RECORD		Size	Set At	Packer At	Liner Run ☐ Yes ☐ No
Date of First, Resumed Production, SWD or Inj.		Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Larson Operating Company,
Operator Name A Division of Larson Engineering, Inc.

Lease Name BROOKOVER

Well # 2

Sec. 26 Twp. 17S Rge. 32

☐ East

County SCOTT

☒ West

ORIGINAL

DRILL STEM TEST #1

Interval tested:	4602 - 4690
Time tool opened:	10:02 PM
Initial hydrostatic mud:	2397.6
Initial flow pressures:	51.2 - 51.2
Initial shut-in pressure:	551.6
Final flow pressures:	51.2 - 51.2
Final shut-in pressure:	452.3
Final hydrostatic mud:	2355.6
Temperature:	124 °F
Recovery:	60 FEET OIL STAINED MUD

RECEIVED
STATE CORPORATION COMMISSION

JUL 10 1992

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

August 30, 1991

Mr. Thomas Larson
Larson Operating Co.
P. O. Box 553
Great Bend, Ks. 67530

Re: Larson Operating Co.
#2 Brookover
NW/4 SE/4 Sec. 26-T17S-R32W
Scott County, Ks.

Dear Mr. Larson:

The following is our geological report on the above referenced well. A drilling time log with a detailed sample and show description is also enclosed.

General Data:

Contractor	Emphasis Oil Operations Rig #5
Spud Date	August 16, 1991
Completed	August 24, 1991
Elevation	Ground 2972' Kelly Bushing 2977'
Casing	257' 8 5/8" surface casing
Samples	10' wet and dry samples collected and examined from 3900' to TD (4690')
Drilling Time	Recorded by Geolograph from 3900' to TD
Logging Program	Wire-Tech Radiation Guard Log and Compensated Density Neutron Log
Testing	Trilobite Testing, DST of Morrow and Mississippi

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Geological Data:

Larson Operating Co. #2 Brookover
NW/4 SE/4 Sec. 26-T17S-R32W
KB 2977
GL 2972

Structural Comparison:

Larson Op. Co
#2 Brookover
NW SE 26

Chief Drlg Co.
#1 Brookover
KB 2983
SE NW SE 26

Drlg Time Wireline Logs Wireline Log Tops

<u>Formation/Zone</u>	<u>Sample Tops</u> <u>Depth (Subsea)</u>	<u>Log Tops</u> <u>Depth (Subsea)</u>	<u>Log Tops</u> <u>(Subsea)</u>
Stone Corral Anhydrite	2300 (+ 677)	2300 (+ 677)	(+ 681)
Heebner Sh	3904 (-927)	3905 (- 928)	(- 927)
Lansing Gp	3946 (- 969)	3950 (- 973)	(- 971)
Muncie Crk ("H" zone)	4138 (-1161)	4136 (-1159)	(-1157)
Stark Sh.	4229 (-1252)	4227 (-1250)	(-1247)
Hushpuckney	4267 (-1290)	4262 (-1285)	(-1282)
Base of Kansas City Gp	4304 (-1327)	4303 (-1326)	(-1323)
Marmaton Gp	4337 (-1360)	4339 (-1362)	(-1358)
Pawnee Gp	4453 (-1476)	4451 (-1474)	(-1476)
Ft. Scott ls.	4496 (-1518)	4493 (-1516)	(-1519)
Lower Cherokee Sh.	4520 (-1543)	4517 (-1540)	(-1540)
Johnson Zone	4564 (-1587)	4559 (-1582)	(-1585)
Morrow Sh	4606 (-1629)	4602 (-1625)	(-1626)
Morrow Ss	4622 (-1645)	4621 (-1644)	(-1639)
Mississippian	4641 (-1664)	4641 (-1664)	(-1653)
TD	4690 (-1713)	4690	

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STATE CORPORATION COMMISS:

Sample Description of Potential Oil Reservoirs:

Marmaton
4339 - 4451

Limestone:

Cream to tan colored, hard, dense, very fine grained crystalline to microcrystalline, occasionally fossiliferous, common chert and pyrite. Rare sample chips with poor pin point porosity to fair vugular porosity with live black oil staining. There was no odor (indicating a lack of volatile hydrocarbons) and no

JUL 10 1992

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

free oil observed in the Marmaton samples. Wireline logs indicated very poor porosity in this interval.

Cherokee (Johnson Zone)
4564 - 4602

Limestone:

Light gray to brown, hard, dense, very fine grained crystalline to microcrystalline, occasionally oolitic and cherty. A thin (4') zone indicated on the wireline logs at 4586-90 had samples with moldic vugular porosity that was partly stained with black, tarry oil. There was only a weak odor and no free oil present in the samples.

Morrow
4602 - 4641

Sandstone:

White to clear, fine to coarse grained, well sorted, well rounded to subangular, well to poorly cemented. An upper sandstone was present at 4621 - 4626; it was a clean, well cemented, glauconitic and pyritic sandstone that had no indication of porosity or oil staining. A lower sandstone, present from 4629 to 4638 was present in the samples only as loose disaggregated sand grains. The sand was medium to coarse grained and well rounded. Very rare friable clusters of sand that could have been from the upper sandstone had a very weak cut fluorescence of oil. There were no other indications of hydrocarbons in this interval. Logs of this interval indicated a shaly lower sandstone. Since there were no shaly clusters of sand observed, it is inferred that the clay matrix holding the loose sand together was washed away in the drilling of this interval. A drill-stem test spanning this interval recovered only 60 feet of oil specked mud with low pressures indicating an impermeable reservoir.

Mississippian
4641 - 4690 (TD)

Limestone:

Cream, hard, dense, very fine grained crystalline, occasionally oolitic, occasionally very fine grained sand in a limestone matrix. There was no porosity noted in the samples from this interval and no oil staining was observed. A low porosity zone indicated on the wireline logs from 4641 - 4647 was covered by DST #1 and apparently had no permeability.

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Wichita, Kansas

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Drillstem Test Information:

DST #1 Morrow and Mississippian 4602 - 4690 (T.D.)

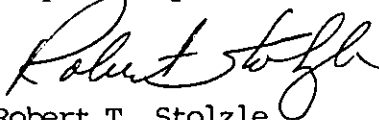
Initial Hydrostatic		2391 psi
Initial Flow	15 min	44-44 psi
Initial Shut-in	30 min	548 psi
Final Flow	15 min	44-44 psi
Final Shut-in	30 min	449 psi
Final Hydrostatic		2351 psi

Very weak blow, dead at end of initial flow. Recovered 60 feet of very slightly oil specked mud.

Conclusions and Recommendations:

Due to a lack of reservoir permeability in the Morrow sandstone and no other potential pay zones noted in this well, it was recommended that the #2 Brookover be plugged and abandoned as a dry hole.

Respectfully submitted,



Robert T. Stolzle
Certified Petroleum Geologist #3244

RTS/jm

RECEIVED
STATE CORPORATION COMMISSION

JUL 10 1992

CONSERVATION DIVISION
Wichita, Kansas

WORK ORDER CONTRACT
AND PRE-TREATMENT DATAATTACH TO
INVOICE & TICKET NO. 12-100DISTRICT Hwy. RDATE 8-16-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE
THE SAME AS AN INDEPENDENT CONTRACTOR TO: Laeswa Operating (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 2 LEASE Brownover SEC. 26 TWP. 17 RANGE 32

FIELD _____ COUNTY Scott STATE R. OWNED BY Senic

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH 239 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>20</u>	<u>8 1/2</u>	<u>KB</u>	<u>257</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 _____

Com. 8 1/2" Surface Cg. w. 155 lb 60-40 P. 24 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.

CONSERVATION DIVISION
Wichita, Kansas

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

SIGNED _____

CUSTOMER

DATE _____

TIME _____ A.M. P.M.

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

FORM 1908 R-11

WELL NO. - FARM OR LEASE NAME 2 - Brinkhouse		COUNTY Nevada	STATE Nevada	CITY / OFFSHORE LOCATION	DATE 8-16-92
CHARGE TO Lubrication Operating		OWNER Stine		TICKET TYPE (CHECK ONE) SERVICE ☒ SALES ☐	RETROGRAD JOB YES ☐ NO ☒
ADDRESS		CONTRACTOR P. H. H. Co.		LOCATION 1 - Mass City, P.	CODE 2553
CITY, STATE, ZIP		FREIGHT CHARGES 51145 ☐ FWD ☐ CREDIT		LOCATION 2 - Hager, K.	CODE 2553
WELL TYPE 01	WELL CATEGORY 02	WELL PERMIT NO. 941753	DELIVERED TO Local on	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB OIL		B-941750	ORDER NO.	REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accordance with the rates and terms stated in Halliburton's current price lists. Payment shall be made 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 on the amount of the invoice at the highest rate 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 this 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			
001-117		1		MILEAGE	55	mi			260	143	00
001-118		1		Pump Service	257	Ft			47502	495	00
001-119		1		L A H Top Plug	1	ea	8 1/2	in	7000	90	00
001-018		1		Additional Hours	3	ea			130	360	00
THIS IS AN INVOICE											
										RECEIVED	
										STATE COMMISSION	
										JUL 10 1992	
										B-941752	
										562 33	
										1317 00	

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. B-941750		HALLIBURTON DIVISION	
WAS JOB SATISFACTORILY COMPLETED?		WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938 WAS COMPLIED WITH IN THE PRODUCTION OF GOODS AND ON WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.	
WAS OPERATION OF EQUIPMENT SATISFACTORY?		HALLIBURTON OPERATOR R. P. P. L. L.	
WAS PERFORMANCE OF PERSONNEL SATISFACTORY?			
X <u>R. P. P. L. L.</u> CUSTOMER OR HIS AGENT (PLEASE PRINT)		HALLIBURTON APPROVAL	
X <u>R. P. P. L. L.</u> CUSTOMER OR HIS AGENT (SIGNATURE)			
		SUB TOTAL	
		APPLICABLE TAXES WILL BE ADDED ON INVOICE.	
		CUSTOMER	

JOB SUMMARY

**HALLIBURTON
DIVISION**

Oklahoma City, OK

Ness City, Ks.

BILLED ON
TICKET NO. 12, KVV

~~Customer -~~ Customer -

LEAVE

Stark

CON TEAM -

Job #

1

DATA

1

1

WELL DATA						
FIELD _____	SEC. <u>26</u>	TWP. <u>17</u>	RNG. <u>32</u>	COUNTY <u>Scott</u>	STATE <u>Pa.</u>	
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 <u>239</u>				

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<u>20</u>	<u>8 7/8</u>	<u>KB</u>	<u>237</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG 6.011 8 3/4"	1	HOURO
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____	DENSITY _____	LB/GAL-AP _____
DISPL. FLUID _____	DENSITY _____	LB/GAL-AP _____
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 BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./BK.	MIXED LBS./GAL.
	155	60-40		B	2% Gel, 3% CC		
	100	60 40		B	2% Gel, 3% CC	1.38	18.76

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 15 REASON Reamed

SUMMARY

PRESLUSH: BBL-GAL _____ TYPE _____
 STATE CORPORATION COMMISSION
 LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____
 TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____
 CEMENT SLURRY: BBL-GAL _____
 TOTAL VOLUME: BBL-GAL _____
 CONSERVATION DIVISION
 Wichita, Kansas
 Sec Chief & Tech Lvy
 Thank You

WELL NO

LEASE

Blackrock

TICKET NO.

125700

CUSTOMER

Harrison Operating

PAGE NO _____

JOB TYPE:

Surf free

DATE _____

8-16 91

FORM 2013 R-2

ORIG: CUSTOMER JOB TYPE:

[illegible]

Thank You
Raj

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JUL 10 1992

~~CONSERVATION DIVISION~~
Wichita, Kansas

CUSTOMER



ORIGINAL FOR VOICE
TICKETING.

FOR INVOICE AND
TICKETING.

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FORM 1011-96 REV. 6-95

CUSTOMER



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FORM 1911-R6 REV. 8-85

CUSTOMER