

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

Operator: License # 7200
Name Scott I. Lutz
Address P. O. Drawer D
City/State/Zip Shell Knob, MO 65747

Purchaser Koch Oil Company
Wichita, Kansas

Operator Contact Person H.L. Maddox Scott Lutz
Phone 316-653-4178 417-858-6628

Contractor: License # 5302
Name Red Tiger Drilling Company

Wellsite Geologist Rod Tremblay
Phone 913-625-5434

Designate Type of Completion

X New Well Re-Entry Workover
X Oil SWD Temp Abd
Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)

If ONNO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

X Mud Rotary Air Rotary Cable

3/26/88 4/2/88 4-19-88
Spud Date Date Reached TD Completion Date

4,600'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 316 feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set feet
If alternate 2 completion, cement circulated from 0 feet depth to 2000 w/ 200 SX cmt
Cement Company Name Halliburton
Invoice # 619891
OK per David Log 6-27-89

API NO. 15-135-23,230-6000
County Ness
SE/4 NW/4 SW/4 13 16S 26W East
Sec Twp Rge X West

1650 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

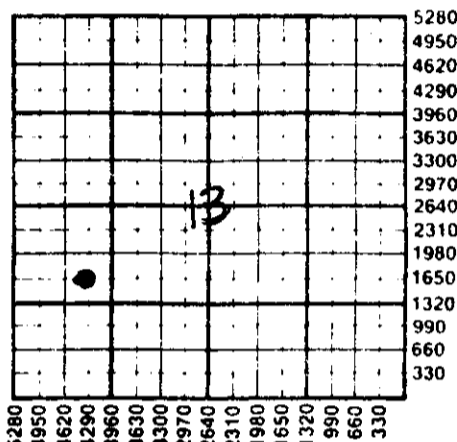
Lease Name Evel "A" Well # 3

Field Name Arnold

Producing Formation Mississippi

Elevation: Ground 2574 2579 KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit # 37935

X Groundwater 2400 Ft North from Southeast Corner
(Well) 1150 Ft West from Southeast Corner of
Sec 23 Twp 16 Rge 26 East X West
Charles Walker, Utica, Ks. 67584
Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge East West
Other (explain)
(purchased from city, R.W.D. #)

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. 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 Scott I. Lutz
Title Owner/Operator Date 5/31/88

Subscribed and sworn to before me this 31st day of May 1988
Notary Public Glen Steven Hutton
Date Commission Expires Aug 16, 1988

Glen Steven Hutton, Notary Public
State of Missouri, Barry County
My Commission Expires Aug. 16, 1988

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
RGS Plug Other
(Specify)
RECEIVED
STATE CORPORATION COMMISSION
6-10-88
JUN 10 1988

Sec 13 Twp 16 Rge 26 E

Operator Name Scott T. Lutz Lease Name Evel "A" Well # 3

Sec. 13 Twp. 16S Rge. 26W East West County Ness

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

NOTE

basket

Halliburton/was set at 2000 feet, 300 sacks of Halliburton lite cement was pumped down the annulus. Job was successfull. Halliburton tickets are attached.

L-K wireline inc.: Bond log is attached covering 2020 feet to surface.

Formation Description
 Log Sample

Name	Top	Bottom
ANHYDRITE	1977	+602
HEEBNER	3850	-1271
TORONTO	3871	-1292
LANSING	3893	-1314
STARK	4140	-1561
BASE OF KANSAS CITY	4198	-1619
MARMATON	4236	-1657
PAWNEE	4334	-1755
FORT SCOTT	4404	-1825
CHEROKEE	4433	-1854
CONGLOMERATE	4476	-1897
MISSISSIPPI	4503	-1924
R.T.D.	4600	-2021
L.T.D.	4601	-2022

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#	323'	60/40 Poz	215	2% Gel 3% CC
Production	7 7/8"	5 1/2"	14#	4,598'	60/40 Poz	200	2% Gel 12% Salt

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4508-16	400 gal. Mca. mud. acid	

TUBING RECORD Size 2 3/8 Set At 4597' Packer at none Liner Run Yes No

Date of First Production 4/28/88 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	12		6		

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled

CUSTOMER
SEC 1. 4112
LEASE
L-1
WELL NO. H-3
JOB TYPE
CEMENT
DATE 4-1-88

WELL DATA

FIELD _____ SEC. 13 TWP. 16s RNG. 26w COUNTY Ness STATE Ks

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		11	14	5/2	720	4999	
LINER							
TUBING							
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

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 4399

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>4-7-88</u> TIME <u>1400</u>	DATE <u>4-7-88</u> TIME <u>1500</u>	DATE <u>4-7-88</u> TIME <u>1530</u>	DATE <u>4-7-88</u> TIME <u>1700</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>B. CROSSWHITE</u>	<u>51145</u>	<u>Ness City</u>
<u>S. NUTTING</u>	<u>20MB</u>	<u>Ks.</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

PERFFAC BALLS TYPE _____ QTY. _____
OTHER _____
OTHER _____

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT DOWN BORDEN HEAD

JOB DONE THRU: TUBING CASING ANNULUS TBO./ANN.

CUSTOMER REPRESENTATIVE X B.L. ...

HALLIBURTON OPERATOR _____ COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>300</u>	<u>HLC</u>	<u>A</u>	<u>Hilco</u>	<u>B</u>	<u>2% CC .75% Flocel</u>	<u>1.84</u>	<u>12.7</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BKON: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: 98 BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ STATE COMMISSION _____ INITIAL VOLUME: BBL.-GAL. _____

REMARKS
SEC JOB LOG
THANK YOU

TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET _____ REASON _____

CONSERVATION DIVISION
Wichita, Kansas

DISTRICT HAYS, KS

DATE 4-7-85

TO: HALLIBURTON SERVICES

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

THE SAME AS AN INDEPENDENT CONTRACTOR TO: SCOTT T. LUTZ (CUSTOMER)

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

WELL NO. A-3 LEASE E001 SEC. 13 TWP. 16s RANGE 26w

FIELD _____ COUNTY MISS STATE KS OWNED BY SHOK

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	SET AT						
TOTAL DEPTH <u>4599</u>	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

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

CEMENT DOWN BRADEN HEAD WITH 300 5X HLC
3/4" PVC 2% AC

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

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees

- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price book.
- (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applies to but not limited to: subsurface damage and surface damage arising from subsurface damage.
- (c) Customer shall be responsible for and secure Halliburton against any liability for treatment loss or damage, or property damage resulting from subsurface pressure, losing control of the well and/or well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- (d) Customer shall be responsible for and secure Halliburton against any liability for damage to property as a result of subsurface treatment or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- (e) Customer shall be responsible for and secure Halliburton against any liability for damage to property (including, but not limited to injury to the well), or any damages whatsoever, or property of Customer, or any other person, arising from the use of any equipment, tools or instruments, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- (f) Halliburton makes no warranty of the effectiveness of the procedure to be used, or of the results to be obtained, or of the safety of the operation.
- (g) Customer shall, at its risk and expense, attempt to recover any equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton the replacement cost plus a handling charge of 10% of the replacement cost. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the replacement cost plus a handling charge of 10% of the replacement cost. 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 the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- (h) 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 accuracy of any 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 responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
- (i) 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.
- (j) 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 at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ 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.
- (k) This contract shall be governed by the law of the state where services are performed. If equipment or materials are furnished
- (l) Halliburton shall not be bound by any changes or modifications in this contract except where such changes or modifications are made in writing by a duly authorized executive officer of Halliburton.

JUN 10 1985

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.

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



A Division of Halliburton Company
DUNCAN, OKLAHOMA 73836

AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. **419891**

DATE 4-2-88	CUSTOMER ORDER NO.	WELL NO. AND FARM Evel A-3	COUNTY Ness	STATE Kansas
CHARGE TO Scott Lutz		OWNER Same	CONTRACTOR Red Tiger	No. B 654846
MAILING ADDRESS		DELIVERED FROM Hays, Ks	LOCATION CODE 50325	PREPARED BY Kuhn
CITY & STATE		DELIVERED TO N/E Utica, Ks	TRUCK NO. 8842	RECEIVED BY B. CROSSWHITE

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
				200 Cu. Ft. Pozmix Cement 2% Gel							
504-308	516.00261	2	B	Standard Cement	120				5.45	654 00	
506-105	516.00286	B		Pozmix 'A'	80				2.88	230 40	
506-121	516.00259	2	B	3sk Halliburton Gel @ 2 1/4						n/c	
509-968	516.00315	2	B	Salt Blended	1150	lb			0.073	83 95	
507-145	7015329	2	B	CFR-2 Blended	126	lb			3.70	466 20	
507-210	890.50071	2	B	Flocele Blended	50	lb			1.21	60 50	
					Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES	TON MILES		
					SERVICE CHARGE ON MATERIALS RETURNED				CU. FEET		
500-207		2	B	SERVICE CHARGE				217	.95	206 15	
500-306		2	B	Mileage Charge	18,826	TOTAL WEIGHT	29	LOADED MILES	272.977	.70	191 08
No. B 654846		CARRY FORWARD TO INVOICE						SUB-TOTAL		1,892 28	

THIS IS NOT AN INVOICE

RECEIVED
STATE CORPORATION COMMISSION
APR 10 1988
CONSERVATION DIVISION
Wichita, Kansas

FORM 1911-R5 REV. 9-81

CUSTOMER

HALLIBURTON SERVICES SUMMARY

HALLIBURTON LOCATION **NESS CITY, KS** WELL DATA **NESS** COUNTY **NESS** STATE **KS**

FIELD # _____ SEC. **13** TWP. **16S** RANG. **26W** 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 **4600**

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	1	14	5 1/2	TOP	4399	
LINER						
TUBING						
OPEN HOLE			7 1/8	4399	4600	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE Reg. 5 1/2	1	HALCO
CENTRALIZERS S-A 5 1/2	7	
BOTTOM PLUG		
TOP PLUG S-W 5 1/2	1	
INSIST VALVE 5 1/2		
OTHER BRST 5 1/2	1	

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 4-2-88	DATE 4-2-88	DATE 4-3-88	DATE 4-3-88
TIME 1400	TIME 1900	TIME 0115	TIME 0700

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
T. FUCHS	51143	NESS CITY KS
B. CROSSWHITE	COMB	NESS CITY KS
A. CABIL	8542 BULK	HAYS, KS

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. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT **CEMENT**

DESCRIPTION OF JOB **CEMENT PRODUCTION USG.**

JOB DONE THRU: TUBING CASING ANNULUS TSG./ANN.

CUSTOMER REPRESENTATIVE **X J. Kaganer**

HALLIBURTON OPERATOR **B. Crosswhite** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	300	60-40	A	HALCO	B	37% gel, 12% SMT, 75% CPA-2, 1/4# Floccz Per Sk.	1.30	14.54

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 3-MIN. _____ 15-MIN. _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET **12** REASON **SHOE JOINT**

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____

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

TREATMENT: BBL.-GAL. **12** DISPL. BBL.-GAL. **112**

CEMENT SLURRY BBL.-GAL. **46.3**

VOLUME: BBL.-GAL. **170.3**

REMARKS **SEE JOB LOG**
THANK-YOU!

RECEIVED
STATE CORPORATION COMMISSION
JUN 1 1988
CONSERVATION DIVISION
Wichita, Kansas

CUSTOMER
LEASE
JOB TYPE
DATE