

ORIGINAL

SIDE ONE

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

Operator: License # 6804
Name: Lachenmayr Oil Company
Address 1103 N. Main
City/State/Zip Newton, Kansas 67114
Purchaser: Conoco, Inc.
Operator Contact Person: Howard Lachenmayr
Phone (316) 752-3461
Contractor: Name: White and Ellis Drlg.
License: 5420
Wellsite Geologist: David D. Montague

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

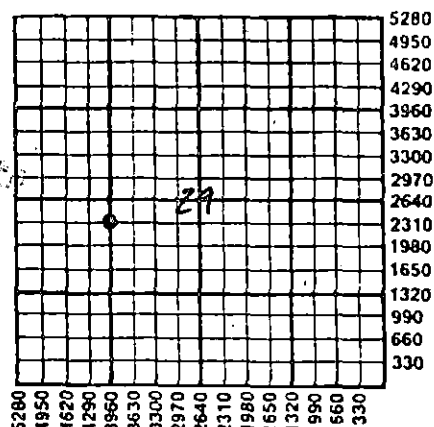
If ~~OLD~~ old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
4/3/90 4/15/90 4/28/90
Spud Date Date Reached TD Completion Date

API NO. 15- 079-20644-0000
County Harvey
N/2 N/2 SW Sec. 29 Twp. 22 Rge. 3 East West
2310 Ft. North from Southeast Corner of Section
3960 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Schmidt Well # L-1
Field Name Hollow-Nikkel Ext.
Producing Formation Mississippian
Elevation: Ground 1434 KB 1439
Total Depth 3786 PBDT _____

6-8-90

STATE CORPORATION COMMISSION
RECEIVED
JUN 8 1990
CONSERVATION DIVISION
Wichita, Kansas



ACT I
8-28-90

Amount of Surface Pipe Set and Cemented at 257 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 257 Feet
If Alternate II completion, cement circulated from 657
feet depth to surface w/ 395 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature David D. Montague
Title Consultant-Geologist Date 6/8/90
Subscribed and sworn to before me this 8th day of June, 1990.
Notary Public Jeannine I. Montague
Date Commission Expires _____

JEANNINE I. MONTAGUE
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. Dec. 27, 1992

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

SIDE TWO

Operator Name Lachenmayr Oil Company Lease Name Schmidt Well # T-1
 Sec. 29 Twp. 22 Rge. 3 East West County Harvey

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) (Cased Hole Log)	<p align="center">Formation Description</p> <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Bottom</td> </tr> <tr> <td>Heebner</td> <td>2259</td> <td></td> </tr> <tr> <td>Lansing</td> <td>2499</td> <td></td> </tr> <tr> <td>Mississippian</td> <td>3210</td> <td></td> </tr> <tr> <td>Kinderhook</td> <td>3478</td> <td></td> </tr> <tr> <td>Hunton</td> <td>3572</td> <td></td> </tr> <tr> <td>Viola</td> <td>3696</td> <td></td> </tr> <tr> <td>Simpson</td> <td>3726</td> <td></td> </tr> </table>	Name	Top	Bottom	Heebner	2259		Lansing	2499		Mississippian	3210		Kinderhook	3478		Hunton	3572		Viola	3696		Simpson	3726	
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DST No.1, 3217-3238, 30-30-30-30, 840' GIP, 60' GCM, SIP 285-315, FP 50-63: 65-75, BHT 108 degrees.
 DST No.2, 3240-3299, 30-30-30-30, 1680' GIP, 135' O&GCM, 120' HO&GCM, 240' O & GCMW, 300' GCSW, SIP 847-847, FP 168-283:325-441 BHT 108 degrees.
 DST No.3, 3575-3585, 30-30-45-45, Rec 65' Mud, SIP 1045-1050, FP20-30:50-60, BHT 118 degrees.

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
Conductor	17 1/2"	13 3/8	68	257'	3% common	385	3% C.C.
Intermediate	12 1/2"	8 5/8	23	664'	3% common	395	3% C.C.
Production	7 7/8"	5 1/2"	14#	3786'	UNKNOWN	200	UNKNOWN

see DPW

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2 per foot	3746-50 (Simpson)	Acid 200, Frac	BP 3740
2 per foot	3730-34 (Simpson) - BP	Natural	BP
2 per foot	3585-89 (Hunton) - BP	Natural	BP
2 per foot	3257-60 (Mississippian)	Natural	
Bridge Plugs set @ 3618' and 3308'			

TUBING RECORD Size 2 3/8 Set At 3262 Packer At none Liner Run Yes No

Date of First Production 5-3-90 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours: Oil 6 Bbls. Gas Mcf Water 144 Bbls. Gas-Oil Ratio 3257-3260 (Mississippian) Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

SERVICE TICKET

15-079-20644-0005

UNITED CEMENTING & ACID CO., INC.

N^o 944 ✓

BOX 712

EL DORADO, KANSAS 67042

PHONE AC 316-321-4680

DATE 4-6-90 COUNTY Harvey ORIGINAL

CHG. TO: Lachermayer Oil ADDRESS _____

CITY _____ STATE _____ ZIP _____

LEASE & WELL NO. Schmidt f-1 SEC. _____ TWP. _____ RNG. _____

CONTRACTOR White & Ellis TIME ON LOCATION _____

KIND OF JOB _____

SERVICE CHARGE: 1 County Unit 325.00

QUANTITY	MATERIAL USED	TYPE	
395	Say Class-H-Cement @ 465		1,836.75 ✓
12	Say Chloride @ 2000		240.00 ✓
407	BULK CHARGE Say @ .60		244.20 ✓
	BULK TRK. MILES 20.25 X 60 X 31		376.65 ✓
	PUMP TRK. MILES		
1-85/8	PLUGS top wooden Plug @		2800 ✓
	SALES TAX		1.43.09
	TOTAL		3,193.69

T. D. 664 CSG. SET AT 658 VOLUME _____

SIZE HOLE 12 1/4 TBG SET AT _____ VOLUME _____

MAX. PRESS. _____ SIZE PIPE 7 5/8

PLUG DEPTH 639 PKER DEPTH 4:20 PM

PLUG USED Wooden Rubber Cap TIME FINISHED 8:00 AM

REMARKS: 395 Cement
Cement 3 1/2 CC

Raymond RECEIVED STATE CORPORATION COMMISSION

EQUIPMENT USED NAME Chet UNIT NO. _____ NAME Scott UNIT NO. _____

NAME Raymond AUG 28 1990 CONSERVATION DIVISION Wichita, Kansas

CEMENTER OR TREATER Raymond OWNER'S REP. R W Leedy

SERVICE TICKET

15-079-20644-0000

UNITED CEMENTING & ACID CO., INC.

NO 942

BOX 712

EL DORADO, KANSAS 67042

PHONE (316) 321-4680

ORIGINAL

DATE 4-4-90 COUNTY Harvey

CHG. TO: Lachenmayer Oil ADDRESS _____

CITY _____ STATE _____ ZIP _____

LEASE & WELL NO. Schmidt 1-1 SEC. _____ TWP. _____ RNG. _____

CONTRACTOR White & Ellis Dlg TIME ON LOCATION 8:00 PM

KIND OF JOB _____

SERVICE CHARGE: 1 Cement Unit Recement 13 3/8 Pipe 150.00

QUANTITY	MATERIAL USED	TYPE	
150	Saf	Class-H-Cement @ 4.65	697.50 x
5	Saf	Chloride @ 20.00	100.00 x
155	BULK CHARGE	Saf @ .60	93.00 x
	BULK TRK. MILES	(7.75 x 100 x 3)	144.15 x
	PUMP TRK. MILES		
	PLUGS	None	- - -
	SALES TAX		54.32
	TOTAL		1,238.97

T. D. _____ CSG. SET AT _____ VOLUME _____

SIZE HOLE _____ TBG SET AT _____ VOLUME _____

MAX. PRESS. _____ SIZE PIPE _____

PLUG DEPTH _____ PKER DEPTH _____

PLUG USED _____ TIME FINISHED 10:15 PM

REMARKS: 1 pipe to 42' 150 yds Common Cement 3% CC

Cement Air Recement 13 3/8 casing Cement Fill
down on back side 40 or 50 ft

new well RECEIVED STATE CORPORATION COMMISSION

EQUIPMENT USED AUG 2, 1990

NAME Chet UNIT NO. _____ NAME Elmer UNIT NO. _____

Raymond CEMENTER OR TREATER Randy Perrett OWNER'S REP.

CONSERVATION DIVISION
Wichita, Kansas

UNITED CEMENTING & ACID CO., INC.

No 941

BOX 712

EL DORADO, KANSAS 67042

PHONE AC 316-321-4680

ORIGINAL

DATE 4-4-90 COUNTY Hawkeye

CHG. TO Lachenmayer Oil Co ADDRESS

CITY STATE ZIP

LEASE & WELL NO Schmidt L-1 SEC. TWP. RING.

CONTRACTOR White & Ellis Dr TIME ON LOCATION 1:45 AM

KIND OF JOB Cement Surface Pipe

SERVICE CHARGE: 1 Cent Unit 275.00

QUANTITY	MATERIAL USED		TYPE		
235	Saf	60-40	Posmix @	3.80	893.00
7	Saf		Chloride @	20.00	140.00
4	Saf		Hel @	7.00	28.00
246	BULK CHARGE	Saf @ .60			147.60
	BULK TRK. MILES	(12.5 X .60 X 31)			232.50
	PUMP TRK. MILES				
	PLUGS	None.			
	SALES TAX				75.66
	TOTAL				1,791.76

T. D. 257

CSG. SET AT 257 VOLUME

SIZE HOLE 17 1/2

TBG SET AT VOLUME

MAX. PRESS.

SIZE PIPE 13 3/4

PLUG DEPTH 200

PKER DEPTH

PLUG USED None

TIME FINISHED 8:00 AM

REMARKS:

235 Saf 60-40 Paymix
29 2 1/2
3 1/2 CC

Chit
Raymond

RECEIVED
STATE CORPORATION COMMISSION
AUG 28 1990

new well

EQUIPMENT USED

NAME Chit

UNIT NO.

NAME Scott

CONSERVATION DIVISION
Wichita, Kansas

Raymond
CEMENTER OR TREATER

R W Leedy
OWNER'S REP.

Ticket #

15-079-20644-0000

Purchase Order

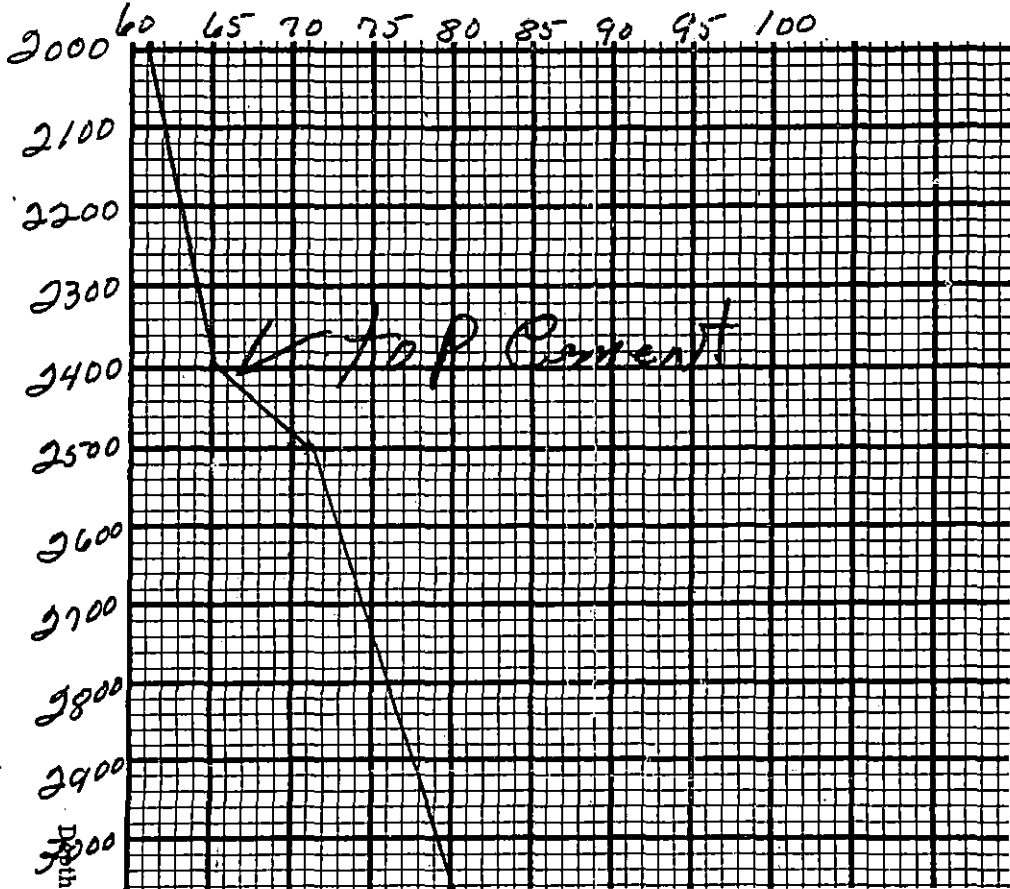
UNITED CEMENTING & ACID CO., INC.

EL DORADO, KANSAS
(316) 321-4680
P.O. BOX 712

Temperature Survey

Company Lockenmyra Oil Co Date 4-16-90
 Lease Schmidt L Well # 1 Sec. _____ Twp. _____ Range _____
 Field _____ County Harvey State Kansas
 Zero Point _____ Surveyed By Cluad Thomas
 Hours after _____ Sacks Cement _____

Temperature in Degrees Fahrenheit →



RECEIVED
STATE CORPORATION COMMISSION

AUG 28 1990

CONSERVATION DIVISION
Wichita, Kansas

FIELD WORK ORDER, INVOICE AND CONTRACT

15-079-20644-0000

SUBTERRANEAN

No 44592

LOGGING

ORIGINAL

INC.

BOX 125 - LEON, KANSAS 67074

PHONE (316) 745-3244

Date 4-26-90	Charge To: LAHENMAYR OIL COMPANY	Lease and Well No. "L" # 1
Operator D. CORNISH	Address 1103 N. MAIN	Field
Customer's T.D. 3786'	City & State NEWTON KS 67114	Legal Description
T.D. 3779'	Fluid Level 1375'	Casing Size 5 1/2"
Zero K.B. 5' A.B. C.L.	Type Fluid In Hole OIL & WATER	Casing Wt. 15 1/2 #
	Elevation C.L. 1434'	Casing Depth 3783'
		Sec. 29 Twp. 22s Rng. 3E
		County HARVEY
		State KANSAS

The authorized agent and representative of the owner agrees to the following general terms and conditions of services to be rendered or which have been rendered:

- (1) All accounts are due and must be paid within 30 days from the date of services of Subterranean Logging, Inc., and should these terms not be observed, interest at the rate of 18% per annum will be charged from the date of the services.
- (2) Because of the uncertain conditions and hazards existing in a well which are beyond the control of Subterranean Logging, Inc., it is understood and agreed by the parties hereto that Subterranean Logging, Inc. cannot guarantee the results of its efforts and its services and will not be held responsible for personal or property damage in the performance of its services.
- (3) Should any Subterranean Logging, Inc. instruments or equipment be lost or damaged in the performance of the operations requested, the customer agrees to make every reasonable effort to recover the same, and to reimburse Subterranean Logging, Inc. for the value of the items which cannot be recovered, or the cost of repairing damage to items recovered.
- (4) The customer certifies that he has the full right and authority to order such work on such well and that the well in which the work is to be performed by Subterranean Logging, Inc. is in proper and suitable condition for the performance of said work and that Subterranean Logging, Inc. is merely working under the directions of the customer.
- (5) The customer agrees to pay any and all taxes, fees and charges placed on services rendered by Subterranean Logging, Inc. by governmental requirements including city, county, state and federal taxes and fees or reimburse Subterranean Logging, Inc. for such taxes and fees paid to said agencies.
- (6) No employee is authorized to alter the terms or conditions of this agreement between Subterranean Logging, Inc. and the customer.
- (7) I certify that the services have been performed by Subterranean Logging, Inc. under my directions and control, and that all zones perforated were designated by me and all depth measurements were checked and approved.
- (8) It is further stipulated and agreed between the parties hereto that this agreement shall not become effective until the same is approved by Subterranean Logging, Inc., in Leon, Butler County, Kansas, and that said Subterranean Logging, Inc. and the customer agree that should either party to this action fail to fulfill the terms of the fieldwork order, invoice and contract, that the venue of any action, either in law or equity to enforce the terms of the same is agreed by the parties hereto to be in Butler County, Kansas.

Dated in Leon, Kansas, this 26 day of APRIL, 1990

CUSTOMER: _____ AUTHORIZED AGENT AND REPRESENTATIVE: D.J.G. SUBTERRANEAN LOGGING, INC. OFFICER: [Signature]

WORK PERFORMED

PRICING

Perforated With 3 1/2" STEEL JET as Follows:	SET UP: 3 RD RETURN	\$ 100.00
From 3588 ft. to 3589 ft., 2 Shots	PERFORATING: 1st 2 Shots	\$ 400.00
From _____ ft. to _____ ft., _____ Shots	Next _____ Shots @ \$ _____ Ea.	\$ _____
From _____ ft. to _____ ft., _____ Shots	Next _____ Shots @ \$ _____ Ea.	\$ _____
From _____ ft. to _____ ft., _____ Shots	LOGGING: Logging Chg. _____ ft. @ \$ _____ ft.	\$ _____
From _____ ft. to _____ ft., _____ Shots	BRIDGE PLUG: Type 5017 5 1/2" Depth 3618'	\$ 650.00
	CEMENT LOCATOR SURVEY:	\$ _____
THANKS		
	SUB TOTAL.....	\$ 1150.00
	TAX 4.25	\$ 4.25
	TOTAL.....	\$ 1154.25

P.A.R.

SEP 12 1990

CONFIRMATION DIVISION
Wichita, Kansas

FIELD WORK ORDER, INVOICE AND CONTRACT

15-079-20644-0000

SUBTERRANEAN

No. 44593

LOGGING

ORIGINAL

INC.

BOX 125 - LEON, KANSAS 67074

PHONE (316) 745-3244

Date	4-27-90	Charge To:	LACHENMAYR oil company	Lease and Well No.	SCHMIDT "L" #1
Operator	D. CORNISH	Address	1103 N. MAIN	Field	
Customer's T.D.	3786'	City & State	NEWTON KS 67114	Legal Description	
T.D.	3779'	Fluid Level	1325'	Sec.	29 Twp. 22s Rng. 3
Zero	K.B. S.A.B. C.L.	Type Fluid In Hole	WATER	Casing Size	5 1/2"
		Elevation	C.P. 1434'	Casing Wt.	15 1/2 #
				Casing Depth	3783'
				County	HARVEY
				State	KANSAS

The authorized agent and representative of the owner agrees to the following general terms and conditions of services to be rendered or which have been rendered:

- (1) All accounts are due and must be paid within 30 days from the date of services of Subterranean Logging, Inc., and should these terms not be observed, interest at the rate of 18% per annum will be charged from the date of the services.
- (2) Because of the uncertain conditions and hazards existing in a well which are beyond the control of Subterranean Logging, Inc., it is understood and agreed by the parties hereto that Subterranean Logging, Inc. cannot guarantee the results of its efforts and its services and will not be held responsible for personal or property damage in the performance of its services.
- (3) Should any Subterranean Logging, Inc. instruments or equipment be lost or damaged in the performance of the operations requested, the customer agrees to make every reasonable effort to recover the same, and to reimburse Subterranean Logging, Inc. for the value of the items which cannot be recovered, or the cost of repairing damage to items recovered.
- (4) The customer certifies that he has the full right and authority to order such work on such well and that the well in which the work is to be performed by Subterranean Logging, Inc. is in proper and suitable condition for the performance of said work and that Subterranean Logging, Inc. is merely working under the directions of the customer.
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- (6) No employee is authorized to alter the terms or conditions of this agreement between Subterranean Logging, Inc. and the customer.
- (7) I certify that the services have been performed by Subterranean Logging, Inc. under my directions and control, and that all zones perforated were designated by me and all depth measurements were checked and approved.
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Dated in Leon, Kansas, this 27 day of APRIL, 1990.
 CUSTOMER: D.I.P. AUTHORIZED AGENT AND REPRESENTATIVE: D.I.P. SUBTERRANEAN LOGGING, INC. OFFICER: D.I.P.

WORK PERFORMED		PRICING	
Perforated With	3 1/2 STRIP JET TYPE GUN as Follows:	SET UP:	4TH RETURN \$ 100.00
From	3256 ft. to 3259 ft., 3 Shots	PERFORATING:	1st 3 Shots \$ 400.00
From	ft. to ft., Shots	Next	Shots @ \$ Ea. \$
From	ft. to ft., Shots	Next	Shots @ \$ Ea. \$
From	ft. to ft., Shots	LOGGING:	Logging Chg. ft. @ \$ ft. \$
From	ft. to ft., Shots		\$
From	ft. to ft., Shots	BRIDGE PLUG:	Type 5 1/2" Depth 3308' \$ 650.00
		CEMENT LOCATOR SURVEY:	\$
<p>THANKS</p>		SUB TOTAL	\$ 1150.00
		TAX	4.25 \$ 4.25
		TOTAL	\$ 1154.25

P.A.R.

SEP 12 1990

CONSERVATION DIVISION
Wichita, Kansas