

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 3842  
Name: LARSON OPERATING COMPANY  
A DIVISION OF LARSON ENGINEERING, INC.  
Address: 562 WEST STATE ROAD 4  
City/State/Zip: OLMITZ, KS 67564-8561  
Purchaser: NCRA  
Operator Contact Person: TOM LARSON  
Phone: (620) 653-7368  
Contractor: Name: ACE DRILL-N, INC.  
License: 33006

Wellsite Geologist: ROBERT LEWELLYN  
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: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

9/4/2005 9/17/2005 11/15/2005  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 101-21888-00-00  
County: LANE  
S/2 NE SW Sec. 34 Twp. 18 S. R. 29  East  West  
1650 feet from SOUTH Line of Section  
1980 feet from WEST Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW **SW**  
Lease Name: MCWHIRTER "A" Well #: 3  
Field Name: MCWHIRTER NORTH  
Producing Formation: L-KC, PLEASANTON  
Elevation: Ground: 2821' Kelly Bushing: 2824'  
Total Depth: 4632' Plug Back Total Depth: 4579'  
Amount of Surface Pipe Set and Cemented at 251 Feet  
Multiple State Cementing Collar Used?  Yes  No  
If yes, show depth set 2117 Feet  
If Alternate II completion, cement circulated from 2117  
feet depth to SURFACE w/ 200 sx cmt.

ALT II W/HM 3-9-07

Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content 12000 ppm Fluid volume 1200 bbls  
Dewatering method used ALLOWED TO DRY, THEN BACKFILLED  
Location of fluid disposal if hauled offsite:  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter Sec 30 Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this information shall be filed with the Kansas Corporation Commission, 130 South Market-Room 2078, 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: Thomas C. Larson  
Title: PRESIDENT Date: 12/29/2005  
Subscribed and sworn to before me this 29th day of \_\_\_\_\_, 2005.  
Notary Public: Carol S. Larson  
Date Commission Expires: JUNE 25, 2009

CAROL S. LARSON  
Notary Public - State of Kansas  
My Appt. Expires 6-25-2009

KCC Office Use ONLY  
45 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: LARSON OPERATING COMPANY  
A DIVISION OF LARSON ENGINEERING, INC. Lease Name: MCWHIRTER "a" Well #: 3  
 Sec. 34 Twp. 18 S. R. 29  East  West County: LANE

**INSTRUCTIONS:** Show important tops and base of formation penetrated. Detail all cores. Report all final copes of 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geologist well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Sample Sent to Geological Survey	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	ANHYDRITE	2144	+680
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	HEEBNER	3926	-1102
List All E. Logs Run:	DUAL INDUCTION		TORONTO	3943	-1119
	MICRORESISTIVITY		LANSING	3969	-1145
	DUAL COMP POROSITY		STARK SH	4246	-1422
	SONIC		BASE KC	4335	-1511
			ALTAMONT	4402	-1578
			PAWNEE	4450	-1626
			FORT SCOTT	4499	-1675
			CHEROKEE	4522	-1698
			MISSISSIPPIAN	4604	-1780

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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"	28#	251'	CLASS A	175	2% GEL & 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5#	4631'	SMD	125	1/4#/SK FLOCELE
					EA-2	100	5% CALSEAL, 10% SALT, 5#/SK GILSONITE, 1/2% HALAD

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top Bottom		Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate	SURF	2117	SMD	200	1/4#/SK FLOCELE
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

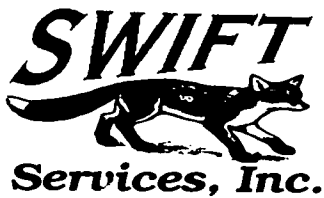
Shots per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid. Fracture, Shot, Cement, Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	4566-69, 4480-82, 4407-10		250 GAL 15% MCA	4566-69
4	4345-49, 4199-4202, 4155-59		250 GAL 15% MCA	4480-82
			250 GAL 15% MCA	4407-10
	ACID: 250 GAL 15% MCA 4155-59		250 GAL 15% MCA	4345-49
	ACID: 500 GAL 15% NE 4155-59		250 GAL 15% MCA	4199-4202

TUBING RECORD	Size 2-3/8"	Set At 4571	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 11/22/05	Producing Method <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. 10	Gas Mcf 0	Water Bbls. 137	Gas-Oil Ratio 0 Gravity 35

Disposition of Gas:  Vented  Sold  Used on Lease *If vented, submit ACO-18.*

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 4155-4569



CHARGE TO:  
LARSON OPERATING

ADDRESS

CITY, STATE, ZIP CODE

TICKET  
No 9070

PAGE 1 OF 1

SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO. A-3	LEASE MCWHORTER	COUNTY/PARISH LANE	STATE KS	CITY	DATE 9-23-05	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR FRITZLER TRUCKING	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOUTON	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE CEMUT PORT COLLAR	WELL PERMIT NO.	WELL LOCATION DIXON, KS - 3W, 2 1/2 S, E NTO		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE # 104	40	MC		4.00	160.00
577		1			PUMP SERVICE	1	JOB		800.00	800.00
330		1			SWIFT MULTI-DEWDRY STANDARDS	200	SD		11.00	2200.00
276		1			FLOCCLE	58	US		1.10	63.80
581		1			SERVICE CHARGE CEMUT	230	SHS		1.10	253.00
583		1			ABRABAGE	22798	US	455.96	1.00	455.96

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**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED: 9-23-05

TIME SIGNED: 0930

A.M.  
 P.M.

**REMIT PAYMENT TO:**

**SWIFT SERVICES, INC.**  
P.O. BOX 466  
NESS CITY, KS 67560  
785-798-2300

<b>SURVEY</b>	AGREE	UN-DECIDED	DISAGREE	<b>PAGE TOTAL</b>	3932.76
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				<b>TOTAL</b>	4052.74

RECEIVED  
LANE CORPORATION COMMISSION  
MONTA, KS  
DEC 10 2005

Lane TAX 5.3%

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR: WAVE WILSON

APPROVAL:

Thank You!





P.O. Box 231 • CLAFLIN, KS 67525  
 Office (620) 587-3361  
 Fax (620) 587-2312

Company: LARSON OPERATING Date: 9-23-05

Well Name: MCWHORTER A-3

Legals: \_\_\_\_\_

Tallied by: \_\_\_\_\_

Tubing Size 2 3/8 Casing Size: 5 1/2

Perfs: \_\_\_\_\_ Packer Setting: \_\_\_\_\_

**CONFIDENTIAL**

RECEIVED  
 KANSAS CORPORATION COMMISSION

DEC 30 2005

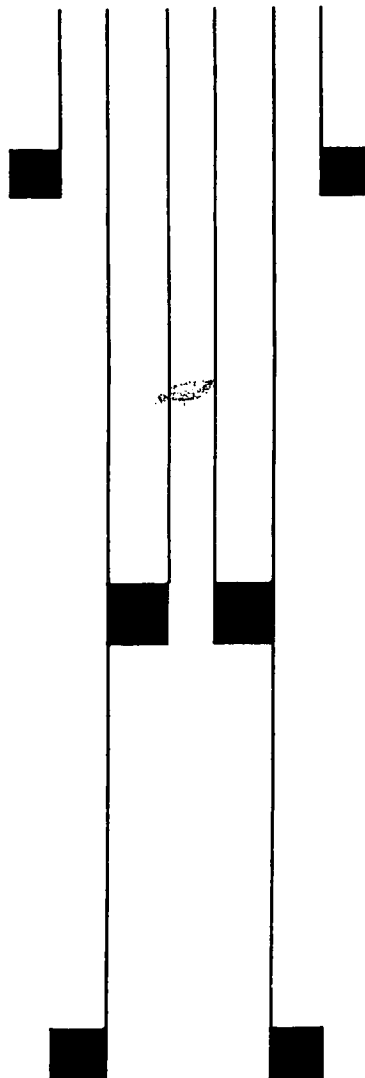
CONSERVATION DIVISION  
 WICHITA, KS

**TUBING & CASING SIZE & CAP.**

	WT.	BBL/FT	FT/BBL
2 3/8	4.6	.0039	258.65
2 7/8	6.5	.0058	172.76
3 1/2	9.3	.0087	114.99
4 1/2	10.5	.0159	62.70
4 1/2	11.6	.0155	64.34
5 1/2	15.5	.0238	42.01
5 1/2	17.0	.0232	43.02
5 1/2	20.0	.0222	45.09
5 1/2	23.0	.0212	47.20
8 5/8	32.0	.0609	16.41
9 5/8	36.0	.0773	12.94

**VOL. BETWEEN PIPE & PIPE CAP.**

	WT.	BBL/FT	FT/BBL	CF/LF
2 3/8-4 1/2	11.6	.0101	99.97	.0565
2 3/8-5 1/2	17.0	.0178	56.28	.0898
2 7/8-5 1/2	17.0	.0152	65.71	.0854
2 7/8-7	23.0	.0313	31.91	.1760



Port Colure 2117

No.	LENGTH		LENGTH		LENGTH		LENGTH		LENGTH		LENGTH		LENGTH		LENGTH	
	Pcs.	Fl.	Ins.	Fl.	Ins.	Fl.	Ins.	Fl.	Ins.	Fl.	Ins.	Fl.	Ins.	Fl.	Ins.	
1		32	66	32	81	31	91									
2		32	96	33	41	32	68									
3		33	12	33	20	32	85									
4		32	91	33	28	32	11									
5		33	-	33	19	33	10									
6		33	41	32	08	33	23									
7		32	78	33	24	33	23									
8		31	92	33	29											
9		33	05	32	95											
10		29	96	33	27											
11		33	10	33	18											
12		33	28	32	59											
13		31	48	33	23											
14		32	69	32	14											
15		33	32	33	10											
16		33	15	33	12											
17		32	65	32	40											
18		33	20	30	35											
19		32	92	33	14											
20		33	24	32	76											
21		32	55	33	24											
22		33	03	33	20											
23		33	14	33	19											
24		33	32	32	75											
25		33	12	33	29											
26		33	32	32	93											
27		33	10	33	21											
28		33	18	32	26											
29		33	15	33	25											
30		32	42	33	13											
Total		985	13	987	18											

Column No.	
1	985 13
2	1972 31
3	
4	
5	
6	
7	
Total	

No. Joints \_\_\_\_\_



CHARGE TO: Larson Operating  
 ADDRESS \_\_\_\_\_  
 CITY, STATE, ZIP CODE \_\_\_\_\_

TICKET  
 No 8650

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. Ness City, KS WELL/PROJECT NO. #3 LEASE McWhorter A COUNTY/PARISH Lane STATE KS CITY \_\_\_\_\_ DATE 9-18-05 OWNER Same  
 2. TICKET TYPE  SERVICE CONTRACTOR Ace Drilling RIG NAME/NO. \_\_\_\_\_ SHIPPED VIA CTT DELIVERED TO Loc. ORDER NO. \_\_\_\_\_  
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cond. 5 1/2" Prod. Csg. WELL PERMIT NO. \_\_\_\_\_ WELL LOCATION Sec. 34-18 29 W  
 4. REFERRAL LOCATION \_\_\_\_\_ INVOICE INSTRUCTIONS \_\_\_\_\_

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
575		1			MILEAGE #106	30	mil	4	00	120 00
578		1			Pump Service	1	ea	1250	00	1250 00
281		1			MUD Flush	500	gal	75	00	375 00
221		1			KCL	2	gal	25	00	50 00
591		1			Service Charge	250	sh	1	10	275 00
583		1			Drayage	388	700 mile	1	00	388 00
330		1			SMD	150	sh	11	00	1650 00
325		1			Standard Cement	100	sh	8	00	880 00
276		1			Flocele	37	#	1	10	40 70
419		1			Rotary head	1	ea	200	00	200 00
					See Continuation			page 1		5028 70
								page 2		693 50
										572 20

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 MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 X T. Larson  
 DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  
 P.M.

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO  
 CUSTOMER DID NOT WISH TO RESPOND

RECEIVED OPERATION COMMISSION	PAGE TOTAL SUB	572 20
Long TAX 5.3%		195 53
TOTAL		5917 73



**JOB LOG**

**SWIFT Services, Inc.**

DATE 7-18-05 PAGE NO. 19

CUSTOMER Larsen Operating WELL NO. #3 LEASE McWhirtca A JOB TYPE Long String TICKET NO. 8650

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0815							On Loc. Set up trucks
	0950							Start in hole with 5 1/2" 15.5# csg. P.C. @ 2119'
	12:10							Drop Ball
	12:25							Circulate & Rotate Csg.
	13:20							Plug Ream hole 15sk
	13:25		12					Pump 12 <sup>50</sup> MUD Flush
								Pump 20 <sup>50</sup> 2% RCL Flush
	13:30		51					Mix 135sk SMD 12.5 #/gal
			24					Mix 100sk EA-2 Cmt.
								Finish mixing
	1400							wash out pump & line
								Displace Latchdown plug
	14:25		109					Plug down 2000 psi holding
								Release press. Float held
								wash and rack up truck
	1500							Job Complete

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KANSAS CORPORATION COMMISSION

DEC 30 2005

CONSERVATION DIVISION  
WICHITA, KS

CONFIDENTIAL

Thank You  
Rys & Bost



# ALLIED CEMENTING CO., INC. 17264

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Wass City

DATE <u>4-05</u>	SEC. <u>34</u>	TWP. <u>18</u>	RANGE <u>29</u>	CALLED OUT <u>12:00pm</u>	ON LOCATION <u>1:45pm</u>	JOB START <u>1:45pm</u>	JOB FINISH <u>3:40pm</u>
LEASE <u>A</u>		WELL # <u>3</u>	LOCATION <u>Dighton 3w 2 1/2 S 1/2 E</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				RECEIVED KANSAS CORPORATION COMMISSION			

CONTRACTOR ACE Duly

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 256

CASING SIZE 8 7/8 DEPTH 254

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15

PERFS. \_\_\_\_\_

DISPLACEMENT 15 1/4

OWNER \_\_\_\_\_ DEC 30 2005

CEMENT CONSERVATION DIVISION  
WICHITA, KS

AMOUNT ORDERED 175 Com 3%cc 2%Hal

COMMON	<u>175</u>	@	<u>8.70</u>	<u>1522.50</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>14.00</u>	<u>56.00</u>
CHLORIDE	<u>6</u>	@	<u>38.00</u>	<u>228.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>185</u>	@	<u>1.60</u>	<u>296.00</u>
MILEAGE	<u>37.6.185</u>			<u>410.70</u>
TOTAL				<u>2513.20</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER MIKE

# 224 HELPER L. Williams

BULK TRUCK

# 260 DRIVER Terry

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Circ 8 7/8 cas w/ run pump  
mix Cemt, deep plug w/ 15 1/4 cas  
Cemtd deal Circ

Thanks

CHARGE TO: Larson Oper Co.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

DEPTH OF JOB	<u>254</u>			
PUMP TRUCK CHARGE				<u>670.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>37</u>	@	<u>5.00</u>	<u>185.00</u>
		@		
		@		
		@		
TOTAL				<u>855.00</u>

**PLUG & FLOAT EQUIPMENT**

MANIFOLD		@		
<u>8 7/8 Topwater</u>		@		<u>55.00</u>
		@		
		@		
		@		
TOTAL				<u>55.00</u>

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE [Signature]

PRINTED NAME \_\_\_\_\_