

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

3-16-09 Form ACO-1
September 1999
Form Must Be Typed

CONFIDENTIAL

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: MURFIN DRILLING COMPANY, INC.
 License: 30606
 Wellsite Geologist: ROBERT C. 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. _____
 11/17/2006 11/27/2006 1/3/2007
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

API No. 15 - 101-21970-00-00
 County: LANE
APP W2 W2 NW Sec. 8 Twp. 17 S. R. 27 East West
1230 feet from NORTH Line of Section
330 feet from WEST Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: JOHNSON Well #: 2-8
 Field Name: _____
 Producing Formation: L-KC, MARMATON, CHEROKEE
 Elevation: Ground: 2702' Kelly Bushing: 2707'
 Total Depth: 4639' Plug Back Total Depth: 4587'
 Amount of Surface Pipe Set and Cemented at 249 Feet
 Multiple State Cementing Collar Used? Yes No
 If yes, show depth set 2081 Feet
 If Alternate II completion, cement circulated from 2081
 feet depth to SURFACE w/ 170 sx cmt.

Drilling Fluid Management Plan Alt II NH 10-8-08
 (Data must be collected from the Reserve Pit)
 Chloride content 23000 ppm Fluid volume 450 bbls
 Dewatering method used ALLOWED TO DRY
 Location of fluid disposal if hauled offsite:
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ 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: Carol Larson
 Title: SECRETARY/TREASURER Date: 3/16/07
 Subscribed and sworn to before me this 16TH day of MARCH,
 2007.
 Notary Public: Debra J Ludwig
 Date Commission Expires: MAY 5, 2008

DEBRA J. LUDWIG
 Notary Public - State of Kansas
 My Appt. Expires 5/5/2008

KCC Office Use ONLY
 Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
 KANSAS CORPORATION COMMISSION
MAR 19 2007

CONSERVATION DIVISION
 WICHITA, KS

Operator Name: LARSON OPERATING COMPANY
A DIVISION OF LARSON ENGINEERING, INC.

Lease Name: JOHNSON

Well #: 2-8

Sec. 8 Twp. 17 S. R. 27 East West

County: LANE

CONFIDENTIAL

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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes	<input 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	2117	+590
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	BASE ANHYDRITE	2148	+559
List All E. Logs Run:	DUAL INDUCTION		HEEBNER SH	3949	-1242
	DUAL COMP POROSITY		LANSING-KANSAS CITY	3991	-1284
	BOREHOLE COMP SONIC		STARK SH	4248	-1541
	MICRORESISTIVITY		BASE KANSAS CITY	4317	-1610
			PAWNEE	4447	-1740
			FORT SCOTT	4490	-1783
			CHEROKEE	4516	-1809
			MISSISSIPPIAN	4590	-1883

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"	23#	249'	CLASS A	180	2% GEL, 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5#	4633'	SMD	125	1/4#/SK FLOCELE
					EA-2	100	5#/SK GILSONITE & 1/2% CFR

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					
	SURF	2081'	SMD	170	1/4#/SK FLOCELE

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
		Amount	Kind	
4	4570-74, 4508-11, 4404-06	250 GAL 15% MCA	500 GAL 15% MCA	4570-74 4508-11
4	4377-79, 4213-16	250 GAL 15% MCA	250 GAL 15% MCA	4404-06 4377-79
4	4164-66, 4071-76	250 GAL 15% MCA	250 GAL 15% MCA	4213-16 4164-66
		250 GAL 15% MCA	750 GAL 15% NEFE	4071-76 4071-76

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8	4574		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
1/3/07			<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
	75	0	2	0	34.8

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

4071-4574 OA

ALLIED CEMENTING CO., INC.

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

26532
SERVICE POINT: Great Bend

DATE <u>11-17-06</u>	SEC. <u>8</u>	TWP. <u>19</u>	RANGE <u>27</u>	CALLED OUT <u>3:30 PM</u>	ON LOCATION <u>4:30 PM</u>	JOB START <u>7:00 PM</u>	JOB FINISH <u>7:15 PM</u>
LEASE <u>Johnson</u>	WELL # <u>2-8</u>	LOCATION <u>Penndennis West side</u>			COUNTY <u>Lane</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>3 S, E/into</u>				

CONTRACTOR Murfin #24
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 250'
 CASING SIZE 8 3/8 23# DEPTH 250'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 250'
 TOOL _____ DEPTH _____
 PRES. MAX 200 MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 15'
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT 14 3/4 BBLs Freshwater

OWNER Larson Operating

CEMENT
 AMOUNT ORDERED 180 so common
3% CC, 2% Gel

COMMON	<u>180</u>	@	<u>10.65</u>	<u>1917.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>16.65</u>	<u>49.95</u>
CHLORIDE	<u>Salt</u>	@	<u>46.60</u>	<u>233.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>183</u>	@	<u>1.90</u>	<u>357.20</u>
MILEAGE	<u>183</u>	@	<u>.37</u>	<u>626.04</u>
TOTAL				<u>3183.19</u>

EQUIPMENT

PUMP TRUCK CEMENTER Rick H.
 # 181 HELPER Dave W.
 BULK TRUCK
 # 344 DRIVER Steve T.
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

pipe on bottom broke circulation
mixed 180 so common 3% CC, 2% Gel
shut down Released plug Displaced
with 14 3/4 BBLs of freshwater and
shut in

Cement did Circulate

CHARGE TO: Larson Operating
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>250'</u>			
PUMP TRUCK CHARGE				<u>815.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>37</u>	@	<u>6.00</u>	<u>222.00</u>
MANIFOLD	<u>Head Rest</u>	@	<u>100.00</u>	<u>100.00</u>
		@		
		@		
TOTAL				<u>1137.00</u>

PLUG & FLOAT EQUIPMENT

Wooden plug		@	<u>60.00</u>	<u>60.00</u>
		@		
		@		
		@		
		@		
TOTAL				<u>60.00</u>

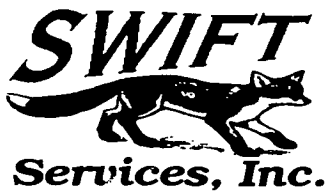
To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS"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

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE X Anthony Martin

X Anthony Martin
 PRINTED NAME

Great Job Guy's



CHARGE TO:
Larson Operating

ADDRESS

CITY, STATE, ZIP CODE

TICKET

Nº 11179

PAGE 1 OF 2

1. SERVICE LOCATIONS Ness City, KS	WELL/PROJECT NO. 2-8	LEASE JOHNSON	COUNTY/PARISH LADY	STATE KS	CITY	DATE 11-27-06	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR MURFEN DRUG #24	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATED	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" LONGSTRAW	WELL PERMIT NO.	WELL LOCATION PRODUCES, KS - 1/2 E, 2 S, 1 W, 1 S, ES		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 104	50		ME		4.00	200.00
578		1			PUMP SERVICE	1		JOB	4633	1250.00	1250.00
221		1			LIQUID KCL	2		GAL		26.00	52.00
281		1			MUDFLUSH	500		GAL		.75	375.00
419		1			ROTATING HEAD RENTAL	1		JOB		250.00	250.00
<p>RECEIVED KANSAS CORPORATION COMMISSION MAR 19 2007 CONSERVATION DIVISION WICHITA, KS</p>											

CONFIDENTIAL
 MAR 16 2007
 KCCS

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 J. C. Larson

DATE SIGNED: 11-28-06 TIME SIGNED: 1500

A.M. P.M.

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#1	2127.00
WE UNDERSTOOD AND MET YOUR NEEDS?				#2	4350.53
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				Subtotal	6477.53
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX	222.35
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			Rate 5.3%	
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	6699.88

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

SWIFT OPERATOR: WAYNE WILSON

APPROVAL:

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 11179

CUSTOMER: LARSON OPERATING
WELL: JOHNSON 2-8
DATE: 11-27-06
PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		LUM		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
325		1				STANDARD CEMENT EA-2	100	SKS			11.00	1100.00
330		1				SWIFT MULTI-DENSITY STANDARD	125	SKS			13.50	1687.50
276		1				FLOECE	31	LBS			1.25	38.75
277		1				GELSONITE	500	LBS			.40	200.00
283		1				SALT	550	LBS			.20	110.00
284		1				CALSAL	5	SKS	500	LBS	30.00	150.00
285		1				CFR-1	50	LBS			4.00	200.00
290		1				DADR	1	GAL			32.00	32.00
581		1				SERVICE CHARGE						
583		1				MILEAGE CHARGE						
						TOTAL WEIGHT	23391					
						LOADED MILES	50					
						CUBIC FEET	225				1.10	247.50
						TON MILES	584.78				1.00	584.78

CONFIDENTIAL
 MAR 16 2007
 KCC

CONTINUATION TOTAL 4350.53

JOB LOG

SWIFT Services, Inc.

DATE 11-27-06 PAGE NO. 1

CUSTOMER CARSON OPERATING WELL NO. 2-B LEASE JOHNSON JOB TYPE 5/2" LONGSTRAWG TICKET NO. 11179

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/24H)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1500							ON LOCATION
								TD- 4639
								TP- 4634.41
								ST- 42.46
								PORT COLUMN = 2083
								SETC 4633 (6' OFF BTM)
								5/2" #/F 15.5
	1715							DROP BALL - CIRCULATE ROTATE
	1832	6	12		✓		500	PUMP 500 GAL MUD FLUSH "
	1834	6	20		✓		500	PUMP 20 BBLs KCL FLUSH "
	1840		4 1/2					PWG RH-MH
	1844	6	52		✓		450	MIX COMWT 125 SKS SMA = 12.2 PP6 "
		4 1/2	24		✓		350	100 SKS SA-2 = 15.5 PP6 "
	1902							WASH OUT PUMP. LINES
	1904							RELEASE LATCH DOWN PWG
	1905	7	0		✓			REPLACE PWG "
		6 1/2	99				900	SHUT OFF ROTATING
	1922	6 1/2	109.3				1500	PWG DOWN - PSE UP LATCH ZW PWG
	1925						OK	RELEASE PSE- HEAD KCC
								MAR 16 2007
								WASH TRUCK CONFIDENTIAL
	2030							JOB COMPLETE
								THANK YOU
								WAKE, DUSTY, ROB, JEFF



CHARGE TO: LARSON OPERATING
ADDRESS
CITY, STATE, ZIP CODE

TICKET

Nº 11189

PAGE	OF
1	1

SERVICE LOCATIONS 1. NESS CITY, KS	WELL/PROJECT NO. 2-8	LEASE JOHNSON	COUNTY/PARISH LANE	STATE Ks	CITY	DATE 12-5-06	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR WILD WEST WELL SERVICE	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.	
3.	WELL TYPE ORL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE CONTR PORT COLLAR	WELL PERMIT NO.	WELL LOCATION PANDOLVES, KS - WSWR, 35, E-W		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 104	40		ME		4.00	160.00
577		1			PUMP SERVICE	1		LAB		850.00	850.00
330		1			SWIFT MULTI-AGENCY STANDARD	170		SH		13.50	2295.00
276		1			FLOUSE	50		LB		1.25	62.50
290		1			DAWL	1		GAL		32.00	32.00
581		1			SERVICE CHARGE CMWT	200		SH		1.10	220.00
583		1			DRAINAGE	19970		LB	399.4 DM	1.00	399.40

CONFIDENTIAL
 MAR 1 9 2007
 KCC

RECEIVED
 KANSAS CORPORATION COMMISSION
 MAR 1 9 2007
 CONSERVATION DIVISION
 WICHITA, KS

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 *W.C. Larson*

DATE SIGNED: **12-5-06** TIME SIGNED: **1300** A.M. P.M.

REMIT PAYMENT TO:

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

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	4018.90
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?				Lane TAX 5.3%	126.64
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	4145.54
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

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

SWIFT OPERATOR
W.C. Larson

APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 12-5-06 PAGE NO. 1

CUSTOMER LARSON OPERATING 6 WELL NO. 2-8 LEASE JOHNSON JOB TYPE CEMENT PORT COLLAR TICKET NO. 11189

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							ON LOCATION
								2 3/8 x 5 1/2 PORT COLLAR - 2083'
	1330				✓		1000	PSI TEST CASING
	1340	3	2	✓		400		OPEN PORT COLLAR - INT RATE
	1345	4	94	✓		400		MAX CEMENT 170 SLS SMD
	1410	4	7	✓		600		DISPLACE CEMENT
	1420			✓		1000		CLOSE PORT COLLAR - PSI TEST - HELD
								CIRCULATED 15 SLS CEMENT TO POT
	1435	4	25	✓		550		RUN 4 JTS - CIRCULATE CLEAN
								WASH TRUCK
	1500							JOB COMPLETE

THANK YOU
WAYNE, DUSTY, ~~STEVE~~ JEFF

3-16-09

LARSON OPERATING COMPANY
A DIVISION OF LARSON ENGINEERING, INC.
562 WEST STATE ROAD 4
OLMITZ, KS 67564-8561

(620) 653-7368
(620) 653-7635 FAX

ACO-1 CONFIDENTIALITY REQUEST

UPS NEXT DAY AIR

March 16, 2007

Kansas Corporation Commission
Oil & Gas Conservation Division
130 South Market, Room 2078
Wichita, KS 67202

KCC

MAR 16 2007

CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 19 2007

CONSERVATION DIVISION
WICHITA, KS

Re: Johnson 2-8
Lane County, Kansas
API #15-101-21970-00-00

Ladies and Gentlemen:

Enclosed please find the ACO-1 Well Completion Form, with copies of logs, geo report, cementing tickets and DST data (if applicable) for the captioned well. We request that all information be held confidential for the period of one year, two years if we may so request at this time.

If you have questions or require additional information, please call.

Sincerely,

Larson Operating Company



Carol Larson
Secretary/Treasurer

Encl.