

CONFIDENTIAL

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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: SOUTHWIND DRILLING, INC.

License: 33350

Wellsite Geologist: THOMAS FUNK

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. \_\_\_\_\_

4/29/2006 5/11/2006 5/19/2006  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 101-21922-0000

County: LANE

SW NW NW Sec. 16 Twp. 18 S. R. 30  East  West

990 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: HANEL Well #: 1-16

Field Name: COWDERY NE

Producing Formation: \_\_\_\_\_

Elevation: Ground: 2884' Kelly Bushing: 2894'

Total Depth: 4619' Plug Back Total Depth: 4569'

Amount of Surface Pipe Set and Cemented at 264 Feet

Multiple State Cementing Collar Used?  Yes  No

If yes, show depth set 2192 Feet

If Alternate II completion, cement circulated from 2192

feet depth to SURFACE w/ 200 sx cmt.

Drilling Fluid Management Plan ATFH NH 9-2-08  
(Data must be collected from the Reserve Pit)

Chloride content 15000 ppm Fluid volume 480 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: Thomas Larson  
Title: PRESIDENT Date: 8/28/06

Subscribed and sworn to before me this 28TH day of AUGUST,

2006.  
Notary Public: Carol S. Larson

Date Commission Expires: JUNE 25, 2009

**CAROL S. LARSON**  
Notary Public - State of Kansas  
My Appt. Expires 6/25/09

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

**RECEIVED**  
**KANSAS CORPORATION COMMISSION**  
**AUG 29 2006**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

Operator Name: LARSON OPERATING COMPANY  
A DIVISION OF LARSON ENGINEERING, INC. Lease Name: HANEL Well #: 1-16  
 Sec. 16 Twp. 18 S. R. 30  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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Sample Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <i>(Submit Copy)</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: DUAL INDUCTION MICRORESISTIVITY DUAL COMP POROSITY BOREHOLE COMP SONIC	<input checked="" type="checkbox"/> Log      Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> <tr> <td>ANHYDRITE</td> <td>2203</td> <td>+691</td> </tr> <tr> <td>BASE ANHYDRITE</td> <td>2262</td> <td>+632</td> </tr> <tr> <td>HEEBNER SH</td> <td>3909</td> <td>-1015</td> </tr> <tr> <td>LANSING</td> <td>3949</td> <td>-1055</td> </tr> <tr> <td>STARK SH</td> <td>4223</td> <td>-1329</td> </tr> <tr> <td>PAWNEE</td> <td>4430</td> <td>-1536</td> </tr> <tr> <td>FORT SCOTT</td> <td>4475</td> <td>-1581</td> </tr> <tr> <td>CHEROKEE SH</td> <td>4498</td> <td>-1604</td> </tr> <tr> <td>MISSISSIPPIAN</td> <td>4561</td> <td>-1667</td> </tr> </table>	Name	Top	Datum	ANHYDRITE	2203	+691	BASE ANHYDRITE	2262	+632	HEEBNER SH	3909	-1015	LANSING	3949	-1055	STARK SH	4223	-1329	PAWNEE	4430	-1536	FORT SCOTT	4475	-1581	CHEROKEE SH	4498	-1604	MISSISSIPPIAN	4561	-1667
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CASING RECORD <input 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"	24#	264'	CLASS A	170	2% GEL, 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5#	4618'	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		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate	SURF	2192'	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	4376-84'		500 GAL 15% MCA	4376-84'

TUBING RECORD	Size 2-3/8"	Set At 4552'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 5/25/06		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. 149	Gas Mcf 0	Water Bbls. 10	Gas-Oil Ratio 0 Gravity 37

Disposition of Gas <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>If vented, submit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval 4376-84'
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**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

~~08/28/07~~  
8-28-08

**RECEIVED**  
KANSAS CORPORATION COMMISSION

**AUG 29 2006**

CONSERVATION DIVISION  
WICHITA, KS

**ACO-1 CONFIDENTIALITY REQUEST**

KCC  
AUG 28 2006  
CONFIDENTIAL

August 28, 2006

Kansas Corporation Commission  
Attn: Dave Williams  
130 South Market, Room 2078  
Wichita, KS 67202

Re: Hanel 1-16  
Lane County, Kansas  
API #15-101-21922-0000

Dear Dave,

Enclosed please find the ACO-1 Well Completion Form, with copies of all logs, geo report, DST's, and cementing tickets for the captioned well. We request that all information be held confidential for the period of one year.

If you have questions, please call.

Sincerely,

Larson Operating Company



Carol Larson  
Secretary/Treasurer

encl.





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

TICKET CONTINUATION

TICKET No. 10220

CUSTOMER LARSON OPERATING WELL HAWEL 1-16 DATE 5-11-06 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		UM		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF									
325		1				STANDARD CEMENT	EA	2			9.60	960.00	
330		1				SWIFT MULT-GRATE STANDARD		125	SK		12.00	1500.00	
276		1				FLOCC		31	LB		1.25	38.75	
277		1				GRSNOTE		700	LB		.40	280.00	
283		1				SALT		550	BB		.20	110.00	
284		1				CALCAL		5	SK	500	LB	30.00	150.00
286		1				HAWEL-1		50	LB		6.00	300.00	
581		1				SERVICE CHARGE							
583		1				MILEAGE CHARGE							
						TOTAL WEIGHT		23591					
						LOADED MILES		40					
						CUBIC FEET		225			1.10	247.50	
						TON MILES		471.82			1.00	471.82	

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CONTINUATION TOTAL 4068.04

**JOB LOG**

**SWIFT Services, Inc.**

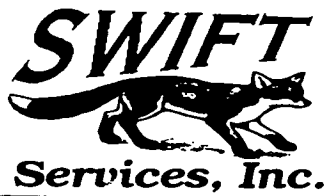
DATE **5-11-06** PAGE NO. **1**

CUSTOMER **WASCO OPERATING** WELL NO. **1-16** LEASE **HAWEL** JOB TYPE **5 1/2" LOGSTRESS** TICKET NO. **10220**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							ON LOCATION
								TD - 4620 SET = 4618 TP - 4621.07 5 1/2" / R 15.5 ST - 42.77 PART COURSE = 2192
								CONFIDENTIAL
	1530							DROP BALL - CIRCULATE ROTATE
	1632	6	12		✓		450	PUMP 500 GAL MUD FLUSH
	1634	6	20		✓		450	PUMP 20 BBL KCL FLUSH
	1640		4					PLUG RH
	1643	5 1/2	52		✓		400	MAX CSMT - 10-125 SES SMD W/ADDONES 12.2PPG
		4 1/2	24		✓		300	TL-100 SKS EAZ W/ADDONES 15.5PPG
	1659							WASH OUT PUMP & LEDES
	1700							RELEASE LATCH DOWN PLUG
	1702	6 1/2	0		✓			DISPLACE PLUG
		6 1/2	99				750	SHUT OFF ROTATING
	1718	6	109				1750	PLUG DOWN - LATCHED PLUG
	1720						OK	RELEASE PSE - HELD
								WASH UP TRUCK
	1800							JOB COMPLETE

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WICHITA, KS

THANK YOU  
WAWE, DUSTY, BRETT



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

TICKET No 10225

PAGE 1 OF 1

SERVICE LOCATIONS 1. <b>NESS CITY, KS</b>	WELL/PROJECT NO. <b>1-16</b>	LEASE <b>HAWEL</b>	COUNTY/PARISH <b>WJ</b>	STATE <b>KS</b>	CITY	DATE <b>5-15-06</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>CHESSIE WELL SERVICE</b>	RIG NAME/NO.	SHIPPED VIA <b>GT</b>	DELIVERED TO <b>LOCATION</b>	ORDER NO.	
3.	WELL TYPE <b>OIL</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>CONCRETE PUMP COLLAR</b>	WELL PERMIT NO.	WELL LOCATION <b>DISHON, KS - 10W, 1/2W, ES</b>		
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	45	ME	4.00		180.00
577		1			PUMP SERVICE	1	JOB	800.00		800.00
330		1			SUPPLY MULTIPLE-DECK STAIRS	200	SYS	12.00		2400.00
276		1			FLOCELS	56	US	1.25		70.00
581		1			SERVICE CHARGE COMWT	225	SYS	1.10		247.50
383		1			DEWAGE	22326	US	502.34	FM	502.34

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CONFIDENTIAL  
 AUG 29 2006  
 WJCO

**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 **5-15-06** TIME SIGNED **1600**  
 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	DIS-AGREE	<b>PAGE TOTAL</b>	<b>4199.84</b>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? WE UNDERSTOOD AND MET YOUR NEEDS? OUR SERVICE WAS PERFORMED WITHOUT DELAY? WE OPERATED THE EQUIPMENT AND PERFORMED THE 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>	<b>4330.75</b>

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

SWIFT OPERATOR **Wase Wasq** APPROVAL

Thank You!

**JOB LOG**

**SWIFT Services, Inc.**

DATE 5-15-06 PAGE NO.         

CUSTOMER LARSON OPERATING WELL NO. 1-16 LEASE HAWEL JOB TYPE CSMW PORT COLLAR TICKET NO. 10226

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							ON LOCATED
								<p style="text-align: center;">KCC AUG 28 2006 CONFIDENTIAL</p> <p style="text-align: right;">RECEIVED KANSAS CORPORATION COMMISSION AUG 29 2006 CONSERVATION DIVISION WICHITA, KS</p>
	1600				✓		1000	PSE TEST CASING - HELD
	1605	3 1/2	2	✓		400		OPN PORT COLLAR - 2 1/2 RATE
	1610	4 1/2	110	✓		500		MAX CSMW 200 SKS SMD 1/4" / FLOOR A/SK
	1640	3 1/2	7 1/2	✓		550		DISPARE CSMW
	1650			✓			1000	CLOSE PORT COLLAR - PSE TEST - HELD
								CIRCULATE 10 SKS CSMW TO POT
	1705	3	25	✓			450	RUN 4 SKS CIRCULATE CLEAR
								WASH UP TRUCK
	1800							JOB COMPLETE
								THANK YOU WAINES DUSTY, BRETT



# ALLIED CEMENTING CO., INC. 24009

Federal Tax I.D.# XXXXXXXXXX

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

AUG 28 2006

SERVICE POINT:

Oakley

CONFIDENTIAL

DATE <u>4-30-06</u>	SEC. <u>16</u>	TWP <u>18s</u>	RANGE <u>30w</u>	CALLED OUT	ON LOCATION <u>1:00 PM</u>	JOB START <u>3:00 AM</u>	JOB FINISH <u>3:15 AM</u>
LEASE <u>Hanel</u>	WELL # <u>1-16</u>	LOCATION <u>Ame 2w 1/2 N E15</u>	COUNTY <u>Hane</u>	STATE <u>Ks</u>			

OLD OR NEW (Circle one)

CONTRACTOR Southwind Drilling Rig 1

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 267'

CASING SIZE 8 7/8 DEPTH 267'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 1/6 Bbls

EQUIPMENT

PUMP TRUCK CEMENTER Dean

# 373-281 HELPER Andrew

BULK TRUCK

# 377 DRIVER Alan

BULK TRUCK

# DRIVER

OWNER same

CEMENT AMOUNT ORDERED 170 SKS COM 3% CC 2% Gel

COMMON	<u>170 SKS</u>	@ <u>11.00</u>	<u>1870.00</u>
POZMIX		@	
GEL	<u>3 SKS</u>	@ <u>15.00</u>	<u>45.00</u>
CHLORIDE	<u>6 SKS</u>	@ <u>42.00</u>	<u>252.00</u>
ASC		@	

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HANDLING	<u>179 SKS</u>	@ <u>1.70</u>	<u>304.30</u>
MILEAGE	<u>7 1/2 SK Mile</u>		<u>526.26</u>
TOTAL			<u>2997.56</u>

REMARKS:

Cement did circulate

Thank you

CHARGE TO: Larson Operating Co

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB	<u>267'</u>		
PUMP TRUCK CHARGE			<u>735.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>42 Miles</u>	@ <u>5.00</u>	<u>210.00</u>
MANIFOLD		@	
TOTAL			<u>945.00</u>

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		
TOTAL			

TAX \_\_\_\_\_

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

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

SIGNATURE

Ray Robert

Doug Roberts

PRINTED NAME

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.