

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

11/20/09  
Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License # 3842  
Name: 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 CO., INC.  
License: 30606  
Wellsite Geologist: STEVE DAVIS

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. \_\_\_\_\_

7/28/2007 8/7/2007 9/21/2007  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 101-22032-00-00  
County: LANE  
100' S NE SE NE Sec. 29 Twp. 18 S. R. 29  East  West  
1750 feet from NORTH Line of Section  
330 feet from EAST Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE  SE  NW  SW  
Lease Name: EHMKE Well #: 1-29  
Field Name: WILDCAT  
Producing Formation: LANSING, MARMATON, CHEROKEE  
Elevation: Ground: 2815' Kelly Bushing: 2820'  
Total Depth: 4627' Plug Back Total Depth: 4585'  
Amount of Surface Pipe Set and Cemented at 270 Feet  
Multiple State Cementing Collar Used?  Yes  No  
If yes, show depth set 2123 Feet  
If Alternate II completion, cement circulated from 2123  
feet depth to SURFACE w/ 220 sx cmt.

**Drilling Fluid Management Plan** AK 1113-2309  
(Data must be collected from the Reserve Pit)  
Chloride content 13000 ppm Fluid volume 820 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: 11/20/07

Subscribed and sworn to before me this 20TH day of NOVEMBER,

2007.

Notary Public: Debra J Ludwig

Date Commission Expires: MAY 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**  
**NOV 21 2007**

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

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: LARSON ENGINEERING, INC. Lease Name: EHMKE Well #: 1-29

Sec. 29 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 (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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	ANHYDRITE	2156	+664
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BASE ANHYDRITE	2183	+637
List All E. Logs Run:	DUAL INDUCTION	HEEBNER	3912	-1092
	DUAL COMP POROSITY	LANSING	3956	-1136
	BOREHOLE COMP SONIC	STARK	4232	-1412
	MICRORESISTIVITY	MARMATON	4368	-1548
		FORT SCOTT	4480	-1660
		CHEROKEE SH	4505	-1685
		MISSISSIPPI	4574	-1754

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CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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#	270'	CLASS A	185	2% GEL, 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5#	4621'	SMD	125	1/4#/SK FLOCELE
					EA-2	100	5#/SK GILSONITE & 0.5% CFR-1

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	2123'	SMD	220	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
	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	SEE ATTACHED	

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TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-3/8"	4581'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
9/21/07		<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
	63	0	35		37

Disposition of Gas:  Vented  Sold  Used on Lease

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

Production Interval: 4325 - 4555 OA



# ALLIED CEMENTING CO., INC.

30319

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

SERVICE POINT:  
Great Bend

DATE <u>7-28-07</u>	SEC <u>29</u>	TWP. <u>18S</u>	RANGE <u>29W</u>	CALLED OUT <u>12:00 PM</u>	ON LOCATION <u>3:30 PM</u>	JOB START <u>4:30 PM</u>	JOB FINISH <u>5:00 PM</u>
LEASE <u>Emke</u>	WELL # <u>129</u>	LOCATION <u>Dighton 96+23.5ct, 3w, 2S,</u>			COUNTY <u>Lane</u>	STATE <u>Ks</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)			<u>1w, 2N, w/s</u>				

CONTRACTOR Martin #24

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 271'

CASING SIZE 8 3/8" DEPTH 271'

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

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

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

PRES. MAX 200# PST MINIMUM 0

MEAS. LINE \_\_\_\_\_ SHOE JOINT 15'

CEMENT LEFT IN CSG. 15'

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

DISPLACEMENT 16 1/4 BBLs of freshwater

OWNER Larson Operating

CEMENT AMOUNT ORDERED 185 sx Common 3% CC, 2% Gel

EQUIPMENT

PUMP TRUCK CEMENTER Rick H.  
# 181 HELPER Derek D.

BULK TRUCK  
# 260 DRIVER Steve T.

BULK TRUCK  
# \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>185</u>	@	<u>11.10</u>	<u>2053.50</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>16.65</u>	<u>66.60</u>
CHLORIDE	<u>6</u>	@	<u>46.60</u>	<u>279.60</u>
ASC		@		
HANDLING	<u>195</u>	@	<u>1.90</u>	<u>370.50</u>
MILEAGE	<u>195</u>	@	<u>37</u>	<u>649.35</u>
TOTAL				<u>3419.55</u>

REMARKS:

pipe on bottom, broke circulation, mixed 185 sx Common 3% CC, 2% Gel, shut down. Released plug and displaced with 16 1/4 BBLs of freshwater and shut in.

Cement did Circulate

CHARGE TO: Larson Operating

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB	<u>271'</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 CENTRAL</u>	@	<u>100.00</u> <u>100.00</u>
TOTAL <u>1137.00</u>			

PLUG & FLOAT EQUIPMENT

1- 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 Anthony Martin  
Real Good Job Guys

X Anthony Martin  
PRINTED NAME



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

TICKET  
 No 12656

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. **NESS CITY, KS**  
 WELL/PROJECT NO. **1-29** LEASE **EHMKE** COUNTY/PARISH **LASE** STATE **Ks** CITY DATE **8-7-06** OWNER **SAME**  
 2. TICKET TYPE  SERVICE CONTRACTOR **MURFEN DALL # 24** RIG NAME/NO. SHIPPED VIA **CT** DELIVERED TO **LOCARDON** ORDER NO.  
 3. WELL TYPE **OZL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **5 1/2" LONGSTRAW** WELL PERMIT NO. WELL LOCATION **DEIGHTON, KS - 3W, 1 1/2 S, WS**  
 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
578		1			PUMP SERVICE	1		JOB	4621	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

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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 *T. C. Larson*  
 DATE SIGNED **8-7-07** TIME SIGNED **0300**  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	2087.00
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				#2	4312.32
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				subtotal	6399.32
ARE YOU SATISFIED WITH OUR SERVICE?				Tax Lane 5.3%	227.03
<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	6626.35

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

SWIFT OPERATOR **WAVE WASON** APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 12656

CUSTOMER LARSON OPERATING WELL EHMKE 1-29 DATE 8-7-06 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOG	ACCT	DF			UM	UM				
325		1				STANDARD CSWT	EA-2	100	SKS		12.00	1200.00
330		1				SWEPT MULTE-DRISBY STANDARD		125	SKS		14.50	1812.50
276		1				FLOCELE		56	LBS		1.25	70.00
283		1				SALT		550	LBS		.20	110.00
284		1				CALSEAL		5	SKS	500 LBS	30.00	150.00
285		1				CFR-1		50	LBS		4.00	200.00
290		1				D-ADR		2	GAL		32.00	64.00
581		1				SERVICE CHARGE						
583		1				MILEAGE CHARGE	TOTAL WEIGHT	22916	LOADED MILES	40		
										225	1.10	247.50
										458.32	1.00	458.32

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CONTINUATION TOTAL 4312.32

JOB LOG

SWIFT Services, Inc.

DATE 8-7-07 PAGE NO. 7

CUSTOMER ARSON OPERATING WELL NO. 1-29 LEASE EHMKE JOB TYPE 5 1/2" LD/65R2J6 TICKET NO. 12656

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0300							ON LOCATION
								TD- 4625 SET 4621
								TP- 4623.37 5 1/2 #1# 15.5
								ST- 42.51
								PORT COLLAR 2123
	0600							DROP BALL - CALCULATE ROTATE
	0705	6	12		✓		450	PUMP 500 GAL MUD FLUSH "
	0707	6	20		✓		450	PUMP 20 BBL KCL-FLUSH "
	0715		4-2					PLUG RH-MH
	0720	6	48		✓		400	MUD COMMENT - 125 SLS SMA @ 12.4 PPG "
		4 1/2	24		✓		250	100 SLS EA-2 @ 15.5 PPG "
	0736							WASH OUT PUMP. LEVES
	0738							RELEASE CATCH DOWN PLUG
	0740	7	0		✓			DISPLACE PLUG
		6 1/2	99				850	SHUT OFF ROTATING
	0755	6 1/2	109				1500	PLUG DOWN - PSE UP CATCH IN PLUG
	0757						OK	RELEASE PSE-HELD
								WASH TRUCK
	0900							JOB COMPLETE

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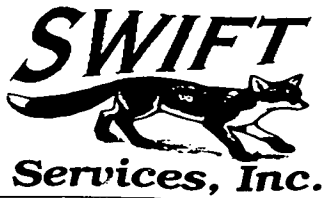
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WICHITA, KS

THANK YOU  
WAYNE, BRETT, BOB JEFF



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

TICKET

No 12731

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>NESS CITY, KS</u>	WELL/PROJECT NO. <u>1-29</u>	LEASE <u>EHMKE</u>	COUNTY/PARISH <u>LANE</u>	STATE <u>Ks</u>	CITY	DATE <u>8-22-07</u>	OWNER <u>SAME</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>WILD WEST WELL SERVICE</u>		RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3. WELL TYPE <u>OIL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>COMPLY PORT COLLAR</u>		WELL PERMIT NO.	WELL LOCATION <u>DEIGHTON, KS - 3W, 2S, 1W, 1/2W</u>		
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	JOB			850.00	850	00
330		1			SWIFT MULTI-DENSITY STANDARD	220	SIS			14.50	3190	00
276		1			FLOCELE	63	UBS			1.25	78	75
290		1			DADR	2	GA			32.00	64	00
581		1			SERVICE CHARGE CEMENT	250	SIS			1.10	275	00
583		1			DRAYAGE	24883	UBS	497.66	M	1.00	497	66

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

x J.C. Larson

DATE SIGNED 8-22-07 TIME SIGNED 1100  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	5115	41
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%	176	04
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO			TOTAL	5292	05
<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 Wayne Wilson APPROVAL

Thank You!



**JOB LOG**

**SWIFT Services, Inc.**

DATE 8-22-07 PAGE NO.

CUSTOMER **Arson Operating** WELL NO. **1-29** LEASE **EHMKE** JOB TYPE **CEMENT PORT COLLAR** TICKET NO. **12731**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBU) (GAL)		PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					T	C	TUBING	CASING	
	1100								ON LOCATION
									2 3/8 x 5 1/2
									PORT COLLAR = 2123'
	1135					✓		1000	PSE TEST CASE 16 - HELD
	1140	3	2		✓			300	OPEN PORT COLLAR - 2 1/2" RATE
	1145	4	122		✓			350	MIX CEMENT 220 SMD 1/4 # FLOCCLE
	1220	4	7 1/2		✓			500	DISPLACE CEMENT
	1230				✓			1000	CLOSE PORT COLLAR - PSE TEST HELD
									CIRCULATE 20 SKS CEMENT TO PCT
	1240	3 1/2	25		✓			450	RUN 4 JTS - CIRCULATE CLEAN
									WASH TRUCK
									PULL TOOL
	1330								JOB COMPLETE
									THANK YOU
									WAVE, BEST, SEW

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