

**KANSAS CORPORATION COMMISSION**  
**OIL & GAS CONSERVATION DIVISION**  
**CONFIDENTIAL WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 3842  
 Name: LARSON OPERATING COMPANY  
A DIVISION OF LARSON ENGINEERING, INC.  
 Address: 562 WEST HIGHWAY 4  
 City/State/Zip: OLMITZ, KS 67564-8561  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: TOM LARSON  
 Phone: (620) 653-7368  
 Contractor: Name: MCGOWN DRILLING  
 License: 5786  
 Wellsite Geologist: TIM HEDRICK  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp Abd.  
 Gas     ENHR     SIGW  
 Dry     Other DELAYED COMPLETION WAITING ON PIPELINE CONNECTION  
 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. \_\_\_\_\_  
 Spud Date or Recompletion Date: 6/3/2004    Date Reached TD: 6/10/2004    Completion Date or Recompletion Date: 6-10-04 DELAYED COMPLETION

API No. 15 - 053-21128-0000  
 County: ELLSWORTH  
SWNWSE Sec. 20 Twp. 16 S. R. 7  East  West  
2005 ~~2000~~ feet from SOUTH Line of Section  
2508 ~~2390~~ feet from EAST Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: FLEMING Well #: 1X-20  
 Field Name: WILDCAT  
 Producing Formation: DELAYED COMPLETION  
 Elevation: Ground: 1645' Kelly Bushing: DATUM = GL  
 Total Depth: 2264' Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 300 Feet  
 Multiple State Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from \_\_\_\_\_  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_

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**SEP 28 2004**  
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**Drilling Fluid Management Plan** ALT I WITH  
 (Data must be collected from the Reserve Pit) 4-24-07 **SEP 28 2004**  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_  
 Dewatering method used \_\_\_\_\_  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**CONSERVATION DIVISION**  
 WICHITA, KS

**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 A Fertal  
 Title: SR. GEOLOGIST Date: 9/27/2004  
 Subscribed and sworn to before me this 27TH day of SEPTEMBER,  
2004.  
 Notary Public: Laura E. Abarid  
 Date Commission Expires: 03/28/2005  
**Laura E. Abarid**  
**NOTARY PUBLIC**  
**STATE OF COLORADO**  
 My Commission Expires 03/28/2005

**KCC Office Use ONLY**

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: FLEMING Well #: 1X-20  
 Sec. 20 Twp. 16 S. R. 7  East  West County: ELLSWORTH

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Sample 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 <i>(Submit Copy)</i>  List All E. Logs Run: <u>RADIATION GUARD LOG</u> <u>NEUTRON / DENSITY POROSITY LOG</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>HUTCHISON SALT</td> <td>661'</td> <td>+984</td> </tr> <tr> <td>HERRINGTON</td> <td>1042'</td> <td>+603</td> </tr> <tr> <td>FLORENCE</td> <td>1248'</td> <td>+397</td> </tr> <tr> <td>RED EAGLE</td> <td>1622'</td> <td>+23</td> </tr> <tr> <td>GRAND HAVEN</td> <td>1829'</td> <td>-184</td> </tr> <tr> <td>SEVERY</td> <td>2189'</td> <td>-544</td> </tr> <tr> <td>TOPEKA</td> <td>2226'</td> <td>-581</td> </tr> <tr> <td>TD</td> <td>2264'</td> <td></td> </tr> </table> <div style="text-align: center; font-size: 2em; font-weight: bold; margin-top: 20px;">                         KCC                          SEP 28 2004                          CONFIDENTIAL                     </div>	Name	Top	Datum	HUTCHISON SALT	661'	+984	HERRINGTON	1042'	+603	FLORENCE	1248'	+397	RED EAGLE	1622'	+23	GRAND HAVEN	1829'	-184	SEVERY	2189'	-544	TOPEKA	2226'	-581	TD	2264'	
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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"	20	300'	CLASS A	165	2% GEL & 3% CC
PRODUCTION	6-3/4"	4-1/2"	10.5	1958'	SMD EA-2	50 60	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 <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 Specify Footage of Each Interval Perforated	Acid. Fracture, Shot, Cement, Squeeze Record (Amount and Kind of Material Used)	Depth
	NONE -- WAITING ON PIPELINE CONNECTION		
		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">                             RECEIVED                              KANSAS CORPORATION COMMISSION                              SEP 28 2004                              CONSERVATION DIVISION                              WICHITA, KS                         </div>	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method <input type="checkbox"/> Flowing <input 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

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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval _____
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**ALLIED CEMENTING CO., INC.**

P.O. BOX 31  
 RUSSELL, KS 67665  
 PH (785) 483-3887  
 FAX (785) 483-5566  
 FEDERAL TAX ID# 48-0727860

RECEIVED JUN 10 2004

\*\*\*\*\*  
 \* INVOICE \*  
 \*\*\*\*\*

Invoice Number: 093467

Invoice Date: 06/09/04

Sold Larson Operating Co.  
 To: 562 W. HiWay #4  
 Olmitz, KS  
 67564

KCC

SEP 28 2004

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SEP 28 2004

CONSERVATION DIVISION  
 WICHITA, KS

Cust. I.D. ....: Larson  
 P.O. Number...: Fleming 1X-20  
 P.O. Date.....: 06/09/04

Due Date.: 07/09/04

Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	175.00	SKS	7.6500	1338.75	T
Gel	4.00	SKS	11.0000	44.00	T
Chloride	5.00	SKS	30.0000	150.00	T
Handling	184.00	SKS	1.2500	230.00	E
Mileage (50)	50.00	MILE	9.2000	460.00	E
184 sks @\$ .05 per sk per mi					
Surface	1.00	JOB	520.0000	520.00	E
Mileage pmp trk	50.00	MILE	4.0000	200.00	E

All Prices Are Net, Payable 30 Days Following Subtotal: 2942.75  
 Date of Invoice. 1 1/2% Charged Thereafter. Tax..... 88.90  
 If Account CURRENT take Discount of \$ 294.27 Payments: 0.00  
 ONLY if paid within 30 days from Invoice Date Total.... 3031.65

(294.27)  
 2737.38

DRLG  COMP  W/O  LOE

AFE # \_\_\_\_\_

ACCT # 135/58

APPROVED BY T.C. Larson

**SWIFT SERVICES, INC.**

**Invoice**

PO BOX 466  
 NESS CITY, 67560-0466

DATE	INVOICE #
6/10/04	6926

BILL TO
Larson Operating Company 562 W. Highway 4 Olmitz, KS 67564-8561

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**SEP 28 2004**  
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 WICHITA, KS

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Operator	Job Purpose
Net 30	1 x 20	Flemming	Ellsworth	McGowan Drlg	Gas	Development	Wayne	4 1/2 " Longs...

PRICE REFERE...	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
575D	Milage	100	2.50	250.00
578D	Pump Service	1	1,200.00	1,200.00
221	Liquid KCL	2	19.00	38.00T
281	Mud Flush	500	0.60	300.00T
410-4	Top Plug	1	35.00	35.00T
325	Cement	50	7.25	362.50T
330	Swift Multi-Density	60	10.00	600.00T
277	Gilsonite	250	0.30	75.00T
283	Salt	300	0.15	45.00T
284	Calseal	3	25.00	75.00T
286	Halad-1	28	5.25	147.00T
287	Gas Stop	100	4.50	450.00T
581D	Service Charge Cement	110	1.00	110.00
583D	Drayage	579.9	0.85	492.92
	Subtotal			4,180.42
	Sales Tax		5.30%	112.76

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 SEP 28 2004  
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DRLG  COMP  W/O  LOE  
 AFE # \_\_\_\_\_  
 ACCT # 137/60  
 APPROVED BY T.C. Janson

Thank you for your business.	<b>Total</b>	\$4,293.18
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