

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 3842
LARSON OPERATING COMPANY
 Name: A DIVISION OF LARSON ENGINEERING, INC.
 Address: 562 WEST STATE ROAD 4
 City/State/Zip: OLMITZ, KS 67564-8561
 Purchaser: _____
 Operator Contact Person: TOM LARSON
 Phone: (620) 653-7368
 Contractor: Name: WILD WEST WELL SERVICE, INC.
 License: 32592
 Wellsite Geologist: _____

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: A.L. ABERCROMBIE, INC.
 Well Name: KEENAN #1
 Original Comp. Date: 5-16-97 Original Total Depth: 4660'
 _____ 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. D-28,847

<u>11/27/2006</u>	<u>11/30/2006</u>	<u>1/5/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-21737-0001
 County: LANE
100'W OF NE NE
SE Sec. 34 Twp. 18 S. R. 29 East West

2310 feet from South Line of Section
430 feet from East Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: KEENAN Well #: 1 SWD

Field Name: MCWHIRTER NORTH

Producing Formation: CEDAR HILLS SWD

Elevation: Ground: 2809' Kelly Bushing: 2814'

Total Depth: 4660' Plug Back Total Depth: 2150'

Amount of Surface Pipe Set and Cemented at 258 PREV SET Feet

Multiple State Cementing Collar Used? Yes No

If yes, show depth set 1415 Feet

If Alternate II completion, cement circulated from 1415

feet depth to SURFACE w/ 150 sx cmt.

Drilling Fluid Management Plan SWD NH 6-19-08
 (Data must be collected from the Reserve Pit)

Chloride content 1000 ppm Fluid volume 200 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: 1-8-07

Subscribed and sworn to before me this 8TH day of JANUARY

2007.

Notary Public: Carol S. Larson

Date Commission Expires: JUNE 25, 2009

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

KCC Office Use ONLY

Letter of Confidentiality Attached

If Denied, Yes Date: _____

_____ Wireline Log Received

_____ Geologist Report Received

_____ UIC Distribution

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CONSERVATION DIVISION
 WICHITA, KS

Operator Name: LARSON OPERATING COMPANY
A DIVISION OF LARSON ENGINEERING, INC. Lease Name: KEENAN Well #: 1 SWD
 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 copies 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 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	CEDAR HILLS	1667	+1147
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	BASE CEDAR HILLS	1883	+931
List All E. Logs Run:	CEMENT BOND LOG				

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"	20	257.80'	60/40 POZ	180	2% GEL, 3% CC - PREVIOUSLY SET
PRODUCTION	7-7/8"	4-1/2"	10.5	4413.14'	60/40 POZ	35	2% GEL, 1/2% CFRZ - PREVIOUSLY SET
					COMMON	100	BA29

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input checked="" type="checkbox"/> Perforate	2165	2166	SMD	100	1/2#/SK FLOCELE
<input checked="" type="checkbox"/> Protect Casing	1450	1451	CLASS A	100	3% CC
<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
	CIBP @ 2200'				
	CEMENT RETAINER @ 2150'				
1	PERFORATIONS 1780-1880'				

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TUBING RECORD			Size	Set At	Packer At	Liner Run		
			2-3/8" SEALTITE	1764'	1765'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumed Production, SWD or Enhr.				Producing Method				
WAITING ON APPROVAL				<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

CONSERVATION DIVISION
 WICHITA, KS

Disposition of Gas Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

METHOD OF COMPLETION Other (Specify) _____

Production Interval 1780-1880'

If vented, submit ACO-18.)

LOG-TECH, INC.
 1011 240th Ave.
HAYS, KANSAS 67601
 (785) 625-3858

19983

Date 11-30-2006

CHARGE TO: Laison Operating Company
 ADDRESS _____
 R/A SOURCE NO. _____ CUSTOMER ORDER NO. Verbal 11/11
 LEASE AND WELL NO. Keenan No. 1 (OWVO) FIELD Widdrat
 NEAREST TOWN _____ COUNTY Lane STATE Kansas
 SPOT LOCATION 100' W of C-NE-NESE SEC. 34 TWP. 18S RANGE 29W
 ZERO 40.5' AGL CASING SIZE 4 1/2 WEIGHT _____
 CUSTOMER'S T.D. _____ LOG TECH _____ FLUID LEVEL _____
 ENGINEER S. Chesney OPERATOR J. Heil

PERFORATING					
Description	No. Shots	From	Depth To	Amount	
Perforate 3 3/8 HEC 1x4	4	2165	2166	1000	00
1x4	4	1450	1451	1000	00
2162.5 2192.5 1447.5 2142.5					
2.5 7.5 2.5 7.5					
2165 2200 1450 2150					

DEPTH AND OPERATIONS CHARGES					
Description	From	Depth To	Total No. Ft.	Price Per Ft.	Amount
4 1/2 Cement Retainer	2150				1850 00
Depth Charge	0	2150		min	1000 00
4 1/2 Cast Iron Bridge Plug	2200				800 00
Depth Charge	0	2200		min	1000 00

MISCELLANEOUS			
Description	Quantity	Amount	
Service Charge Truck Rental # 13		950	00
T.J.			
A.O.L.			
S.J.			
F.J.	T.W.T.		

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 KANSAS CORPORATION COMMISSION

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

JAN 09 2007	Sub Total	7600	00
CONSERVATION DIVISION			
WICHITA, KS	Tax		

T.C. Johnson 11-30-06
 Customer Signature Date

LOG-TECH
 1011 240th Ave.
HAYS, KANSAS 67601
 (785) 625-3858

20282

Date 12-19

CHARGE TO: Larson Operating
 ADDRESS _____
 R/A SOURCE NO. _____ CUSTOMER ORDER NO. Worbel W/L
 LEASE AND WELL NO. Keenan #101300 FIELD Wildcat
 NEAREST TOWN Dighton COUNTY Lane STATE K
 SPOT LOCATION 100' West of CENEIE SEC. 34 TWP. 18S RANGE 36E
 ZERO SAG CASING SIZE 4.5 WEIGHT _____
 CUSTOMER'S T.D. 2150 LOG TECH 2150 FLUID LEVEL 200
 ENGINEER M. Hubey / J. Schneider OPERATOR R. Schmidt

PERFORATING				
Description	No. Shots	From	Depth To	Amount
<u>Perforate with 3 1/2 (trip) 570 100 X 1</u>	<u>100</u>	<u>1780</u>	<u>1810</u>	<u>9114</u>

DEPTH AND OPERATIONS CHARGES					
Description	From	Depth To	Total No. Ft.	Price Per Ft.	Amount
<u>Solids Cement Bond Log</u>	<u>0</u>	<u>2110</u>	<u>2110</u>	<u>.30</u>	<u>1200</u>
<u>Logging Charge</u>	<u>2150</u>			<u>.30</u>	

MISCELLANEOUS			
Description	Quantity	Amount	
<u>Service Charge</u>	<u>Truck Rental #100</u>	<u>750</u>	
T.J.			
A.O.L.			
S.J.			
F.J.	T.W.T.		

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE

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 KANSAS CORPORATION COMMISSION
 JAN 09 2007
 CONSERVATION DIVISION
 WICHITA, KS

T.C. Larson 12-19-06
 Customer Signature Date



CHARGE TO: *Larson Operating*

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET
11165

PAGE 1 OF 1

1. <i>Hays, KS</i>	WELL/PROJECT NO. <i>SWD</i>	LEASE <i>Korman Stuckey</i>	COUNTY/PARISH <i>Lane</i>	STATE <i>Ks</i>	CITY	DATE <i>11-30-06</i>	OWNER <i>Same</i>
2. <i>Ness City, KS</i>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>W.W.W.S.</i>	RIG NAME/NO.	SHIPPED VIA <i>FT</i>	DELIVERED TO <i>Location</i>	ORDER NO.	
3.	WELL TYPE <i>SWD</i>	WELL CATEGORY <i>OWWO</i>	JOB PURPOSE <i>General Maintenance</i>	WELL PERMIT NO.	WELL LOCATION		
4.	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<i>575</i>		<i>1</i>			<i>MILEAGE #106</i>	<i>40</i>	<i>mi</i>			<i>4.00</i>	<i>160.00</i>
<i>578</i>		<i>1</i>			<i>Pump Charge</i>	<i>1</i>	<i>ea</i>			<i>1250.00</i>	<i>1250.00</i>
<i>330</i>		<i>2</i>			<i>SWD Cement</i>	<i>100</i>	<i>sks</i>			<i>13.50</i>	<i>1350.00</i>
<i>276</i>		<i>2</i>			<i>Flare</i>	<i>50</i>	<i>#</i>			<i>1.25</i>	<i>62.50</i>
<i>581</i>		<i>2</i>			<i>Cement Service Charge</i>	<i>200</i>	<i>sks</i>			<i>1.10</i>	<i>220.00</i>
<i>383</i>		<i>2</i>			<i>Drayage</i>	<i>392</i>	<i>ft</i>			<i>1.00</i>	<i>392.00</i>

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 CONSERVATION DIVISION
 WICHITA, KS
 JAN 09 2007

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 *11-30-06* TIME SIGNED *1:30*

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	<i>3434.50</i>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?				TAX	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
<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 *Nick K...* APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 11/30/06 PAGE NO. 1

CUSTOMER Larsen Operating WELL NO. 56D LEASE Kennas. Stucky JOB TYPE Spacers thru Retainer TICKET NO. 11165

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1445							on loc / set up tools
								CIBP @ 2200'
								Perfs @ 2165'
								Retainer @ 2150'
								perfs @ 1450'
								sting into retainer
	1655	3	0			0		start water
		3	15			600		catch pressure
	1701	3	10			600		switch to mud
	1710		28			2000		Play off
		2.5	30			300		Release pressure
								sting out + pump 2 bbl
								shut down sting in
	1714	2.5	30			500		cutting circulation
	1730		90					shut down
	1733	2.5	0			500		Start cement 70 sks @ 11.2 nd
		2.5	38			300		30 sks @ 14 th
		2.5	46.0			100		End cement / start Disp.
	1750		7.5			200		Cement displaced
								sting out
	1758	2.5	0			200		Reverse out
	1805		15					Hole Clean

Thank you

Nick, **RECEIVED**
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CONSERVATION DIVISION
WICHITA, KS



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

TICKET

N^o 11186

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>NESS CITY, KS</u>	WELL/PROJECT NO. <u>SWD</u>	LEASE <u>KEWAN - STUCKEY</u>	COUNTY/PARISH <u>LAKE</u>	STATE <u>KS</u>	CITY	DATE <u>12-4-06</u>	OWNER <u>SAME</u>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>WIND WEST WELL SERVICE</u>		RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.	
3. WELL TYPE <u>DISPOSAL</u>	WELL CATEGORY <u>DEVELOPMENT</u>	JOB PURPOSE <u>SQUEEZE PERFS</u>		WELL PERMIT NO.	WELL LOCATION <u>DIGHTON, KS - 25, 2W, 1/2S, WS</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	MR			4.00	160	00
577		1			PUMP SERVICE	1	JOB	1450	FK	850.00	850	00
325		1			STANDARD CEMENT	100	SKS			11.00	1100	00
278		1			CALCIUM CHLORIDE	3	SKS			40.00	120	00
581		1			SERVICE CHARGE CEMENT	100	SKS			1.10	110	00
583		1			DRYAGE	9640	RS	192.8	TM	1.00	192	80

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 WICHITA, KS

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

X
 DATE SIGNED 12-4-06 TIME SIGNED 0900 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	<u>2532.80</u>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?				TAX	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
<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. W. Wilson APPROVAL

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 12-4-06 PAGE NO. 1

CUSTOMER **Garson Operating** WELL NO. **SWD** LEASE **KEWAN - STUCKEY** JOB TYPE **SQUEEZE PERFS** TICKET NO. **11185-11186**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							ON LOCATION Max 112° - 38°
								TUB-2 3/8
								CS6-4 1/2
								PERFS-1450'
								PKR-1431'
	0935		1/2		✓		500	PSE ANNULUS - HELD - SHUT IN
	0940	3	3	✓		1000		2 1/2 RATE
	0945	2	21	✓		900 ^{ANN}		MAX 100 SKS SWABBY CRT 3 9/16" O.C.
	1002	1 1/2	0	✓		1200		DISPAC CRT
		1	4 1/2	✓		1500		"
	1007	1/2	5 1/2	✓		1525		" SHUT DOWN
	1015					825		SHUT IN WELL - WASH TRUCK
	1030			✓		1000		SPACE - HELD
	1040			✓		1250		" "
	1050			✓		1500		" SLIGHT BLEED OFF
	1100		5 1/2			1500		" HELD
	1115					1500		RELEASE PSE - HELD
	1118	2 1/2	9		✓		350	RELEASE CLEAN
	1125					1500		RELEASE SQUEEZE - HOLDING
	1155							RELEASE PSE - HELD
								PULL PKR OUT WELL
								95 SKS CRT 2 IN PERFORATIONS
								TDC @ 1431' ±
	1200							JOB COMPLETE

THANK YOU
WALTER, DUSTY, KEVIN

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