

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

9/16/10

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: H.D. DRILLING, LLC
License: 33935
Wellsite Geologist: RICHARD S. DAVIS JR.

KCC
SEP 16 2008

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. _____

5/20/2008 5/31/2008 6/30/2008
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 101-22094-00-00
County: LANE
SE SE NW NW Sec. 33 Twp. 18 S. R. 29 East West
1069 feet from NORTH Line of Section
1224 feet from WEST Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: MCWHIRTER "C" Well #: 1-33
Field Name: WILDCAT
Producing Formation: MARMATON, CHEROKEE
Elevation: Ground: 2820' Kelly Bushing: 2825'
Total Depth: 4651' Plug Back Total Depth: 4604'
Amount of Surface Pipe Set and Cemented at 251 Feet
Multiple State Cementing Collar Used? Yes No
If yes, show depth set 2122 Feet
If Alternate II completion, cement circulated from 2122
feet depth to SURFACE w/ 200 sx cmt.

Drilling Fluid Management Plan *AA INH 11-2408*
(Data must be collected from the Reserve Pit)
Chloride content 12400 ppm Fluid volume 1100 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: 9/16/2008
Subscribed and sworn to before me this 16 day of September,
2008.
Notary Public: *Debra Ludwig*
Date Commission Expires: MAY 5, 2012

KCC Office Use ONLY
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
SEP 17 2008

DEBRA J. LUDWIG
Notary Public - State of Kansas
My Appt. Expires 5/15/2012

CONSERVATION DIVISION
WICHITA, KS

Operator Name: LARSON ENGINEERING, INC. Lease Name: MCWHIRTER "C" Well #: 1-33

Sec. 33 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	2153	+672
Electric Log Run (Submit Copy)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	BASE ANHYDRITE	2180	+645
List All E. Logs Run:	DUAL INDUCTION		HEEBNER	3922	-1097
	DUAL COMP POROSITY		LANSING	3963	-1138
	MICRORESISTIVITY		STARK	4249	-1424
			PAWNEE	4440	-1615
			FORT SCOTT	4493	-1668
			CHEROKEE SH	4517	-1692
			MISSISSIPPI	4588	-1763

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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"	23#	251'	CLASS A	175	2% GEL, 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5#	4650'	SMD	125	1/4#/SK FLOCELE
					EA-2	100	7#/SK GILSONITE, 3/4% CFR

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	SURF	2122'	SMD	200	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)	
		Amount	Depth
4	4560-64	500 GAL 15% MCA	4560-64
4	4447-50	250 GAL 15% MCA	4447-50
4	4400-02	250 GAL 15% MCA	4400-02
4	4215-17	250 GAL 15% MCA	4215-17
		SQZ: 50 SX CLASS A	4215-17

TUBING RECORD	Size 2-3/8	Set At 4599'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 6/30/08	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. 52	Gas Mcf 0	Water Bbls. 1	Gas-Oil Ratio 0 Gravity 35

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

Production Interval: 4400 - 4564 OA

ALLIED CEMENTING CO., LLC. 33063

*Ku
M
9/17/08*

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

SERVICE POINT:
NESSCITY

DATE <u>5-20-08</u>	SEC. <u>33</u>	TWP. <u>18s</u>	RANGE <u>29W</u>	CALLED OUT <u>11:00 AM</u>	ON LOCATION <u>1:30 PM</u>	JOB START <u>7:00 PM</u>	JOB FINISH <u>8:00 PM</u>
LEASE <u>MC WHITNEY</u>	WELL # <u>1-33</u>		LOCATION <u>Dighton 3W to I ke</u>	COUNTY <u>Lane</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)			<u>R.D 25 TO 130 R.D 3/4 W S/INTO</u>				

CONTRACTOR H-D Rig 1
 TYPE OF JOB SURFACE
 HOLE SIZE 12 1/4 T.D. 254'
 CASING SIZE 8 3/4 DEPTH 254'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 200 MINIMUM 150
 MEAS. LINE _____ SHOE JOINT 15'
 CEMENT LEFT IN CSG. 15'
 PERFS. _____
 DISPLACEMENT FRESH WATER 15BBLs

EQUIPMENT
 PUMP TRUCK CEMENTER P WAYNE W
 # 120 HELPER WAYNE D
 BULK TRUCK
 # 342 DRIVER CARL S
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:
PIPE ON BOTTOM BREAK CIRCULATION
PUMP 175SX COMMON + 3% CC + 2% GEL
PUMP THREW A SWADGE AND VALVE
WASH UP WITH 15BBLs OF FRESH
WATER AND CEMENT DID CIRCULATE
SHOT IN

Rig DOWN

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

*Thank
you*

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) 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 and understand the "GENERAL
 TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME x Doug Roberts
 SIGNATURE x Doug Roberts
Thanks 😊

OWNER Larson operating

CEMENT
 AMOUNT ORDERED 175SX COMMON +
3% CC + 2% GEL

COMMON	<u>175SX</u>	@	<u>12.30</u>	<u>2,152.50</u>
POZMIX		@		
GEL	<u>3SX</u>	@	<u>18.40</u>	<u>55.20</u>
CHLORIDE	<u>5SX</u>	@	<u>51.50</u>	<u>257.50</u>
ASC		@		
		@		
	<u>KCC</u>	@		
	<u>SEP 16 2008</u>	@		
	<u>CONFIDENTIAL</u>	@		
		@		
		@		
HANDLING	<u>183SX</u>	@	<u>2.10</u>	<u>384.30</u>
MILEAGE	<u>183X 36X 1.09 =</u>			<u>592.92</u>
				TOTAL <u>3,442.42</u>

SERVICE

DEPTH OF JOB	<u>254'</u>		
PUMP TRUCK CHARGE			<u>900.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>36</u>	@	<u>7.00</u>
MANIFOLD		@	
		@	
		@	
TOTAL <u>1,152.00</u>			

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL _____		

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS



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

TICKET No 14442

PAGE 1 OF 2

1. SERVICE LOCATIONS Ness City, Ks	WELL/PROJECT NO. 1-33	LEASE MCWHARTER "C"	COUNTY/PARISH LANE	STATE Ks	CITY	DATE 5-31-08	OWNER SAME
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR H-D DRILLING	RIG NAME/NO.	SHIPPED VIA CT	DELIVERED TO LOCATION	ORDER NO.	
3.	WELL TYPE OIL	WELL CATEGORY DEVELOPMENT	JOB PURPOSE 5 1/2" LONGSTRONG	WELL PERMIT NO.		WELL LOCATION DEBTON, Ks - SW, 2S, 1 1/2 E, SS	
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		6.00	240.00
578		1			PUMP SERVICE	1		JOB	4649 FT	1400.00	1400.00
221		1			LIQUID KCL	2		GAL		26.00	52.00
281		1			MUDFLUSH	500		GAL		1.00	500.00
<p>KCC SEP 16 2008 CONFIDENTIAL</p>											

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 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 *[Signature]*
 DATE SIGNED **5-31-08** TIME SIGNED **0700** 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 #1	2192.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				#2	5373.81
WE UNDERSTOOD AND MET YOUR NEEDS?				subtotal	7565.81
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				TAX	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Lane 5.3%	247.70
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	7813.51
<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!



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

TICKET CONTINUATION

TICKET No. 14442

CUSTOMER: LARSON OPERATING
WELL: MCWHARTER "C" 1-33
DATE: 5-31-08
PAGE 2 OF 12

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
325		1				STANDARD CEMENT	100	SKS			12.75	1275.00
330		1				SWEET MULTZ - DENSITY STANDARD	125	SKS			15.50	1937.50
276		1				FLOCELE	56	LBS			1.50	84.00
277		1				GILSONITE	700	LBS			.40	280.00
283		1				SALT	500	LBS			.20	100.00
284		1				CALSEAL	5	SKS	500	LBS	30.00	150.00
285		1				CFR-1	50	LBS			4.50	225.00
290		1				D-ADR	2	GAL			35.00	70.00
581		1				SERVICE CHARGE						
583		1				MILEAGE CHARGE						
						TOTAL WEIGHT			23566			
						LOADED MILES			40			
						CUBIC FEET			225		1.90	427.50
						TON MILES			471.32		1.75	824.81

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 MICHITA, KS

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CONTINUATION TOTAL: 5373.81

JOB LOG

SWIFT Services, Inc.

DATE **5-31-08** PAGE NO. **1**

CUSTOMER **ARSON OPERATING** WELL NO. **1-33** LEASE **MCWHORTER "C"** JOB TYPE **5 1/2" LOGSTRING** TICKET NO. **14442**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0700							ON LOGSTRING
								TD-4650 SET = 4649
								TP-4653 5 1/2" / R 15.5
								SF-42.83
								PORT COLLAR = 2129
	0715							DROP BALL - ROTATE ^{TRASH} ROTATE
	0820	6	12		✓		500	PUMP 500 GAL MUDFLUSH "
	0822	6	20		✓		500	PUMP 20 BBLS KCL-FLUSH "
	0830		4					PLUG RH
	0835	6	52		✓		450	MAX COMWT W-125 SKS SMD = 12.4 PP6 "
		4 1/2	24		✓		300	TL-100 SKS EA-2 = 15.5 PP6 "
	0853							WASH OUT PUMP - LOWER
	0854							RELEASE LATCH DOWN PLUG
	0855	7	0		✓			DISPLACE PLUG "
								SHUT OFF ROTATING
	0910	6 1/2	109.7				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	0912						OK	RELEASE PSE - HELD
								WASH TRUCK
	1000							JOB COMPLETE

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CONSERVATION DIVISION
WICHITA, KS

THANK YOU
WAYNE, DUSTY, JEFF



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

TICKET
 No 14481

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>NESS CITY, KS</u>	WELL/PROJECT NO. <u>1-33</u>	LEASE <u>MCWHARTER "C"</u>	COUNTY/PARISH <u>LANE</u>	STATE <u>Ks</u>	CITY	DATE <u>6-5-08</u>	OWNER <u>SAME</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>EXPRESS 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>CSMWT PORT COLLAR</u>	WELL PERMIT NO.	WELL LOCATION <u>DEWAR, KS - SW, 2S, 1/4 E, S2W</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		6.00	240.00
578		1			PUMP SERVICE	1		JOB	2129 FT	1400.00	1400.00
330		1			SWIFT MULTI-DRISST STANDARD	200		SKS		15.50	3100.00
276		1			FLOCELE	56		LBS		1.50	84.00
290		1			D-AIR	2		Gal		35.00	70.00
581		1			SERVICE CHARGE COMPOST	225		SKS		1.90	427.50
583		1			DRAVAGE	22326		US	446.52 m	1.75	781.41

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 WICHITA, KS
 SEP 17 2008

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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
 DATE SIGNED 6-5-08 TIME SIGNED 1100 A.M. P.M.

T. Larson

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?					6102191
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED 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				TOTAL	627537

Lane
 TAX
 5.3%

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 6-5-08 PAGE NO. 1

CUSTOMER Larson OPERATING WELL NO. 1-33 LEASE MCWHIRTER "C" JOB TYPE CEMENT PORT COLLAR TICKET NO. 14481

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1030							ON LOCATION
								2 3/8 x 5/2 PORT COLLAR = 2129'
	1035				✓		1000	PSI TEST CASE 26 - HELD
	1040	3	3	✓		500		OPEN PORT COLLAR - INT RATE
	1045	4	111	✓		500		MAX CEMENT 200 SMD 1/4" / FLOCC P/SR = 11.2 PPG
	1120	3 1/2	7 1/2	✓		550		DISPLACE CEMENT
	1125			✓		1000		CLOSE PORT COLLAR - PSI TEST - HELD
								CIRCULATED 15 SKS CEMENT TO PZT
	1135	4	25	✓		500		RUN 4 JTS - CIRCULATE CLEAN
								WASH TRUCK
	1200							JOB COMPLETE
								KCC SEP 10 2008 CONFIDENTIAL
								THANK YOU WAYNE, BRETT, RYAN
								RECEIVED KANSAS CORPORATION COMMISSION
								SEP 17 2008
								CONSERVATION DIVISION WICHITA, KS