

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

5/29/09

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3842
Name: LARSON ENGINEERING, INC.
Address 1: 562 WEST STATE ROAD 4
Address 2: _____
City: OLMITZ State: KS Zip: 67564 + 8561
Contact Person: TOM LARSON
Phone: (620) 653-7368
CONTRACTOR: License # H. D. DRILLING LLC
Name: 33935
Wellsite Geologist: RICHARD S. DAVIS JR
Purchaser: NCRA
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIGW
 Gas ENHR Temp. Abd.
 CM (Coal Bed Methane) Other
(Core, WSW, Expl., Cathodic, etc.)

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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. _____
3/16/2009 3/27/2009 4/30/2009
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 101-22161-00-00
Spot Description: _____
NW - SE - SE - SE Sec. 31 Twp. 18 S. R. 30 East West
552 feet from SOUTH Line of Section
629 feet from EAST Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: LANE
Lease Name: WHITING Well #: 2-31
Field Name: WILDCAT
Producing Formation: CHEROKEE
Elevation: Ground: 2897' Kelly Bushing: 2902'
Total Depth: 4642' Plug Back Total Depth: 4575'
Amount of Surface Pipe Set and Cemented at: 255 Feet
Multiple State Cementing Collar Used? Yes No
If yes, show depth set: 2166 Feet
If Alternate II completion, cement circulated from: 2166
feet depth to: SURFACE w/ 240 sx cmt.

Drilling Fluid Management Plan WHITING 2909
(Data must be collected from the Reserve Pit)
Chloride content: 3800 ppm Fluid volume: 900 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 S. 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 this 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: 5/29/2009
Subscribed and sworn to before me this 29TH day of MAY
2009.
Notary Public: Debra J Ludwig
Date Commission Expires: MAY 5, 2012

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received KANSAS CORPORATION COMMISSION
 UIC Distribution
JUN 01 2009

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

RECEIVED

Operator Name: LARSON ENGINEERING, INC. Lease Name: WHITING Well #: 2-31

Sec. 31 Twp. 18 S. R. 30 East West County: LANE

INSTRUCTIONS: Show important tops and base of formations 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> Samples 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: DUAL INDUCTION DUAL COMP POROSITY MICRORESISTIVITY	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>ANHYDRITE</td> <td>2195</td> <td>+707</td> </tr> <tr> <td>BASE ANHYDRITE</td> <td>2256</td> <td>+646</td> </tr> <tr> <td>HEEBNER</td> <td>3908</td> <td>-1006</td> </tr> <tr> <td>LANSING</td> <td>3951</td> <td>-1049</td> </tr> <tr> <td>STARK</td> <td>4247</td> <td>-1345</td> </tr> <tr> <td>BASE KANSAS CITY</td> <td>4361</td> <td>-1459</td> </tr> <tr> <td>CHEROKEE</td> <td>4512</td> <td>-1610</td> </tr> <tr> <td>MISSISSIPPI</td> <td>4580</td> <td>-1678</td> </tr> </tbody> </table>	Name	Top	Datum	ANHYDRITE	2195	+707	BASE ANHYDRITE	2256	+646	HEEBNER	3908	-1006	LANSING	3951	-1049	STARK	4247	-1345	BASE KANSAS CITY	4361	-1459	CHEROKEE	4512	-1610	MISSISSIPPI	4580	-1678
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MISSISSIPPI	4580	-1678																										

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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#	255'	CLASS A	175	2% GEL, 3% CC
PRODUCTION	7-7/8"	4-1/2"	10.5#	4637'	SMD	125	1/4# FLOCELE
					EA-2	100	7# /SX GILSONITE, 1/8#/SK FLOCELE, 3/4% CFR

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom		Type of Cement	# Sacks Used	Type and Percent Additives
		SURF			

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	400 GAL 15% NEFE	4560-64

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TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>4585</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>4/30/09</u> 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 <u>3</u> Bbls. Gas <u>0</u> Mcf Water <u>5</u> Bbls. Gas-Oil Ratio <u>0</u> Gravity <u>36</u>

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: <u>4560 - 4564</u>
------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------

ALLIED CEMENTING CO., LLC. 036237

Federal Tax I.D.

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

SERVICE POINT:

Acres City, KS

DATE <i>3-16-09</i>	SEC. <i>39</i>	TWP. <i>-18</i>	RANGE <i>30</i>	CALLED OUT <i>11:00 Am</i>	ON LOCATION <i>2:00 pm</i>	JOB START <i>6:30 pm</i>	JOB FINISH <i>7:00 Am</i>
LEASE <i>Wh. King</i>	WELL # <i>2-31</i>	LOCATION <i>Amy 3W 3S Winto</i>			COUNTY <i>Lane</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *H D Rig #1*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *259'*

CASING SIZE *8 5/8* DEPTH *258'*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH *259'*

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *FW 12.47 bbl*

OWNER

CEMENT

AMOUNT ORDERED *180 stks Common 39cc 2% Gel*

COMMON	<i>180</i>	@	<i>13.50</i>	<i>2430.00</i>
POZMIX		@		
GEL	<i>3</i>	@	<i>20.40</i>	<i>61.20</i>
CHLORIDE	<i>6</i>	@	<i>57.15</i>	<i>342.90</i>
ASC		@		

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HANDLING	<i>180</i>	@	<i>2.25</i>	<i>405.00</i>
MILEAGE	<i>110/stk/mile</i>			<i>612.00</i>

TOTAL *3851.10*

REMARKS:

*On location Safety meeting Rig up
Pipe on bottom broke circulation with rig
then swedge pumped Fresh water ahead 50ft
Mixed Cement
Displaced with FW
Shut down
Shut in
Cement did circulate
Rig down*

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<i>999.00</i>
EXTRA FOOTAGE		@		
MILEAGE	<i>34</i>	@	<i>7.00</i>	<i>238.00</i>
MANIFOLD		@		
		@		
		@		

TOTAL *1237.00*

CHARGE TO: *Larson*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT *25* IF PAID IN 30 DAYS

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 *Doug Roberts*

*THANKS
Good Job!*



CHARGE TO:
Larsen Engineering
 ADDRESS
 CITY, STATE, ZIP CODE

TICKET
 No 15894

PAGE 1 OF 2

SERVICE LOCATIONS 1. <i>Hays, Ks</i>	WELL/PROJECT NO. <i>2-31</i>	LEASE <i>in field Whiting</i>	COUNTY/PARISH <i>Lane</i>	STATE <i>Ks</i>	CITY	DATE <i>3-27-08</i>	OWNER
2. <i>Nessa City, Ks</i>	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>HD Dig</i>	RIG NAME/NO. <i>#1</i>	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>sw/Dighton, Ks</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>in field</i>	JOB PURPOSE <i>Concrete Longstring</i>	WELL PERMIT NO.	WELL LOCATION		
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 #113	40	mi			5.00	200.00
578		1			Pump Charge - Longstring	1	ea			1400.00	1400.00
221		1			Liquid KCL	2	gal			25.00	50.00
281		1			Mud Flush	500	gal			1.00	500.00
290		1			D-Air	2	gal			35.00	70.00
419		1			Rotating Head Rental	1	ea	4 1/2 in		150.00	150.00

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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 *John Larson*
 DATE SIGNED *3-2* TIME SIGNED 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	P.1	2370.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				PAGE TOTAL	
WE UNDERSTOOD AND MET YOUR NEEDS?				P.2	4437.64
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	6807.64
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Lane TAX 5.3%	233.12
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	7040.76
<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 *Don Larson* APPROVAL

Thank You!



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

TICKET CONTINUATION

TICKET No. 15894

CUSTOMER *Larson Engineering* WELL *Whiting 2-31* DATE *3-27-09* PAGE *2* OF *2*

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY		QTY		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY	UM	QTY	UM		
325		2				Standard Cement	100	SKS	9900	1bs	1100	1100.00
276		2				Flocele	25	lb.			150	37.50
283		2				Salt	500	lb			15	75.00
284		2				Cal Seal	470	lb	5	SK	3000	150.00
285		2				CFR-1	47	lb.			400	188.00
277		2				Gilsonite	700	lb.			40	280.00
330		2				SUD Cement	125	SK	12408	1bs	1400	1750.00
276		2				Flocele	32	lb.			150	48.00
581		2				SERVICE CHARGE Cement			225	SKS	150	337.50
583		2				MILEAGE CHARGE			40	mi	100	471.64

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CONTINUATION TOTAL 4437.64

JOB LOG

SWIFT Services, Inc.

DATE 3-27-09 PAGE NO. 1

CUSTOMER Larsen Engineering WELL NO. 2-31 LEASE Whiting JOB TYPE Cement Longstring TICKET NO. 15894

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							On location - Rig Changing Over
	2100							Rig St. Casing - 4 1/2 10.5 #/ft. Have own Platequip
								Setup Tool
	2300							Fin Run Csg - Tag - Fix mud
	2345							St. Cir + Rotate Pump
								Fin CIR - 1 HR
		5	6					Plug RH - 15 SKS out
		5	12					Pump 500 gal mud bleed
		5	20					Pump 20 BBI KCL Plug
		5	40					Mix 110 SKS SMD @ 12.2
		5	26					Mix 100 SKS - Stand. EA-2
								Fin out.
								Wash Pump & Lines
								Drop Plug.
		9					400	Start Displ
		8					500	Caught out 50-55 BBI
		5					550	Skw rate
	0200		73 1/4				700 1520	Plug Down - Hold - Release & Hold
								Job Complete
								Wash up (Backup)
								<i>Thanks</i> Don, Blair & Shane

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

TICKET No 16179

PAGE 1 OF 1

SERVICE LOCATIONS: 1. **Ness City, KS**
 WELL/PROJECT NO.: **2-31** LEASE: **WHITING** COUNTY/PARISH: **LANE** STATE: **Ks** CITY: DATE: **4-21-09** OWNER: **SAME**
 TICKET TYPE: SERVICE SALES CONTRACTOR: **WDA WESTWELL SERVICE #2** RIG NAME/NO.: SHIPPED VIA: **CT** DELIVERED TO: **LOCATION** ORDER NO.:
 WELL TYPE: **OIL** WELL CATEGORY: **DEVELOPMENT** JOB PURPOSE: **CEMENT PORTOCOLLAR** WELL PERMIT NO.: WELL LOCATION: **AMY, Ks - W/BROOK, 3S, 1W, 1/8NW**
 REFERRAL LOCATION: INVOICE INSTRUCTIONS:

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE # 110	40	ME			5.00	200.00
5760		1			PUMP CHARGE	1	JOB	2167	FT	1100.00	1100.00
288		1			SARK SAND 20/40	1	SK			22.00	22.00
330		1			SWIFT MULTI-DEVIDY STANDARD	240	SLS			14.00	3360.00
276		1			FLOCELE	81	LBS			1.50	121.50
290		1			D-AER	2	GAL			35.00	70.00
581		1			SERVICE CHARGE CEMENT	325	SKS			1.50	487.50
583		1			DRAYAGE	32311	LBS	646.22	TM	1.00	646.22
102		1			SERVICE RBP	1	EA	4 1/2"		1000.00	1000.00

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

X T.C. Larson
 DATE SIGNED: **4-21-09** 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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				7007.22
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% 242.40
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL 7249.62
<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 4-21-09 PAGE NO. 1

CUSTOMER ARSON OPERATING WELL NO. 2-31 LEASE WHITING JOB TYPE CEMENT PORT COLLAR TICKET NO. 16179

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							ON LOCATION
								2 3/8 x 4 1/2 RBP = 3355' PORT COLLAR = 2167'
	0945		55		✓		1000	LOAD HOLE - TEST RBP - HELD
	1000		9		✓			SPOT 1 SK SAND = 3295'
	1105	3 1/2	2		✓		350	OPEN PORT COLLAR - INT RATE
	1110	4 1/4	133		✓		550	MIX CEMENT 240 SKS SAND 1/4 #/SK FLOCCLE
	1145	3 1/2	7 1/2		✓		650	DISBURSE CEMENT
	1155				✓		1000	CLOSE PORT COLLAR - PSZ TEST - HELD
								CIRCULATE 20 SKS CEMENT TO PIT
	1210	3 1/2	25		✓		500	RUN 5 JTS - CIRCULATE CLEAN
								WASH TRUCK
	1245	3	35		✓		500	RUN TUBING - CIRCULATE SAND OFF RBP
	1330							JOB COMPLETE

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THANK YOU
WAYNE, BERT, ROB

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