

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

12/07/11

Form ACO-1
October 2008
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

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 # 30606

Name: MURFIN DRILLING CO, INC

Wellsite Geologist: ROBERT STOLZLE

Purchaser: NCRA

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil SWD SLOW
- Gas ENHR SIGW
- CM (Coal Bed Methane) Temp. Abd.
- Dry Other

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(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. _____

8/8/2009 8/18/2009 9/3/2009

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 101-22183-00-00

Spot Description: _____

NW - SW - NE - NE Sec. 10 Twp. 18 S. R. 30 East West

977 feet from NORTH Line of Section

1204 feet from EAST Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: LANE

Lease Name: SHARP SEED Well #: 1-10

Field Name: WILDCAT

Producing Formation: MARMATON, LANSING-KANSAS CITY

Elevation: Ground: 2863' Kelly Bushing: 2868'

Total Depth: 4653' Plug Back Total Depth: 4607'

Amount of Surface Pipe Set and Cemented at: 258' Feet

Multiple State Cementing Collar Used? Yes No

If yes, show depth set: 2186' Feet

If Alternate II completion, cement circulated from: 2186'

feet depth to: SURFACE w/ 180 sx cmt.

Drilling Fluid Management Plan AK INT 12/6/09
(Data must be collected from the Reserve Pit)

Chloride content: 8900 ppm Fluid volume: 480 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 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: 12/7/09

Subscribed and sworn to before me this 7TH day of DECEMBER

2009

Notary Public: Carol S. Larson CAROL S. LARSON

Date Commission Expires: JUNE 25, 2012 My Appt. Expires 6/25/2012

KCC Office Use ONLY

Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

Operator Name: LARSON ENGINEERING, INC. Lease Name: SHARP SEED Well #: 1-10

Sec. 10 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 (Attach Additional Sheets) Samples 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 (Submit Copy) List All E. Logs Run: DUAL INDUCTION DUAL COMP POROSITY MICRORESISTIVITY DEC 07 2009	<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>BASE ANHYDRITE</td> <td>2243</td> <td>+625</td> </tr> <tr> <td>HEEBNER SH</td> <td>3902</td> <td>-1034</td> </tr> <tr> <td>LANSING GROUP</td> <td>3939</td> <td>-1071</td> </tr> <tr> <td>BASE KC GP</td> <td>4278</td> <td>-1410</td> </tr> <tr> <td>PAWNEE</td> <td>4405</td> <td>-1535</td> </tr> <tr> <td>FORT SCOTT</td> <td>4458</td> <td>-1590</td> </tr> <tr> <td>CHEROKEE SH</td> <td>4479</td> <td>-1811</td> </tr> <tr> <td>MISSISSIPPIAN</td> <td>4547</td> <td>-1879</td> </tr> </table>	Name	Top	Datum	BASE ANHYDRITE	2243	+625	HEEBNER SH	3902	-1034	LANSING GROUP	3939	-1071	BASE KC GP	4278	-1410	PAWNEE	4405	-1535	FORT SCOTT	4458	-1590	CHEROKEE SH	4479	-1811	MISSISSIPPIAN	4547	-1879
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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"	20#	258'	CLASS A	175	2% GEL, 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5#	4652'	SMD	35	1/4#/SK FLOCELE
					EA-2	100	7-1/2#/SK GILSONITE, 1/2% CFR

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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	4607'	SMD	180	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 and Kind of Material Used	Depth
4	4441-43, 4410-12, 4163-68	250 GAL 15% MCA	4441-43
		250 GAL 15% MCA	4410-12
		250 GAL 15% MCA	4163-68

TUBING RECORD: Size: 2-3/8" Set At: 4602' Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or Enhr. 9/03/09 Producing Method: Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. <u>58</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio	Gravity <u>34</u>
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Perforation logs on file

DISPOSITION OF GAS: <input checked="" type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease If vented, submit ACO-18.)	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>4163 - 4443 OA</u>
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CHARGE TO: Larson Engineering
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET
 No 16982

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Ness City KS WELL/PROJECT NO. 1-10 LEASE Sharp Seed COUNTY/PARISH Lane STATE KS CITY Ness City DATE 8-18-09 OWNER _____
 2. TICKET TYPE SERVICE CONTRACTOR Murfin Drlg. Co. RIG NAME/NO. 24 SHIPPED VIA _____ DELIVERED TO Dighton ORDER NO. _____
 3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement Longstring WELL PERMIT NO. _____ WELL LOCATION Dighton 8W, 1/2 NW 1/4
 4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			UM		UM	
575		1			MILEAGE Trk #114	45	mi	5	00	225 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
419		1			Rotating Head Rental	1	ea	5 1/2	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 T.C. Larson
 DATE SIGNED 8-18-09 TIME SIGNED 1900 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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	2325 00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	2905 54
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					1500 00
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					sub total 5230 54
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				Lane 5.3%	TAX 163 32
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	5393 86



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

TICKET CONTINUATION

TICKET No. 14982

CUSTOMER Larson Engineering WELL Oil DATE 8-18-09 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
330		1				Swift Multi-Density	35	sk			14.00	490.00
325		1				Standard Cement	100	sk			11.00	1100.00
276		1				Flocele	21	lbs			1.50	31.50
277		1				Coal Seal	750	lbs	7 1/2	ft/sk	0.40	300.00
283		1				Salt	500	lbs	10	y.	0.15	75.00
284		1				Cal Seal	5	sk	5	y.	30.00	150.00
285		1				CFR-1	50	lbs	1/2	y.	4.00	200.00
290		1				D-Air	1	gal			35.00	35.00
581		1				SERVICE CHARGE					1.50	202.50
583		1				MILEAGE CHARGE	TOTAL WEIGHT 14291	LOADED MILES 64309.5	TON MILES 321.54		1.00	321.54

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CONTINUATION TOTAL 2905.54

JOB LOG

SWIFT Services, Inc.

DATE 5-18-09 PAGE NO. 1

CUSTOMER Larson Engineering WELL NO. 1-10 LEASE Sharp Seed JOB TYPE Cement Longstring TICKET NO. 16982

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								5 1/2 15.5# TD-4653' TA-4652' SJ 41' PL @ 2188'
	1900							On Location - Rig up
	1930							Break Circulation
	2030	6 3/4	32	✓			300	Pump Mud Flush + KCL Flush
	2035	3	7	✓				Plug Rat hole
		3	5					Plug Mouse hole
	2040							Start SMD down well 1/2, 2ppg
		6		✓			300	Switch to EA - 2 15.4ppg
		4		✓				Shut down Cement - Release Plug
		6 3/4		✓				Wash Pumping Lines
		6 3/4		✓			200	Start Displacement
		6 3/4	92	✓			300	Lift Cement
							675	Max Lift Pressure
	2115		109.7					Land Plug - Release - Held
								Wash Truck
	2145							Job Complete
								Thank you Brett, Dave, Jason + Wayne

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CHARGE TO: Larson Engineering
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET No. 16138
 PAGE 1 OF 1

SERVICE LOCATIONS
 1. Hays Ks. WELL/PROJECT NO. C # 1-10 LEASE Sharp COUNTY/PARISH Lane STATE Ks CITY _____ DATE 8-25-09 OWNER S&M
 2. Ness City, Ks. TICKET TYPE SERVICE SALES CONTRACTOR WWW S RIG NAME/NO. _____ SHIPPED VIA 2T DELIVERED TO Location ORDER NO. _____
 3. WELL TYPE oil WELL CATEGORY Development JOB PURPOSE Port Collar 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 #110	40	mi			5 ⁰⁰	200 ⁰⁰
576 D		1			Pump Charge (Port Collar)	1	cu	2186	'	1100 ⁰⁰	1100 ⁰⁰
330		2			SMD Cement	180	skts			14 ⁰⁰	2520 ⁰⁰
276		2			Floccle	50	#			1 ⁵⁰	75 ⁰⁰
581		2			Cement Service Charge	225	skts			1 ⁵⁰	337 ⁵⁰
583		2			Drayage	440	TAA			1 ⁰⁰	440 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 8-25-09 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	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				4672	5 ⁰⁰
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%	137 ⁵⁴
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	4810 ⁰⁴
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

