



KANSAS CORPORATION COMMISSION 1055849  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3842  
Name: Larson Engineering, Inc. dba Larson Operating Company  
Address 1: 562 W STATE RD 4  
Address 2: \_\_\_\_\_  
City: OLMITZ State: KS Zip: 67564 + 8561  
Contact Person: Thomas Larson  
Phone: ( 620 ) 653-7368  
CONTRACTOR: License # 33935  
Name: H. D. Drilling, LLC  
Wellsite Geologist: Thomas Larson  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well  Re-Entry  Workover  
 Oil  WSW  SWD  SIOW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: Larson Engineering, Inc.  
Well Name: Marit 2-24  
Original Comp. Date: 1/3/2011 Original Total Depth: 4626  
 Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD  
 Conv. to GSW  
 Plug Back: 1936 Plug Back Total Depth  
 Commingled Permit #: \_\_\_\_\_  
 Dual Completion Permit #: \_\_\_\_\_  
 SWD Permit #: D-30,826  
 ENHR Permit #: \_\_\_\_\_  
 GSW Permit #: \_\_\_\_\_  
2/23/2011 2/25/2011 5/12/2011  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-101-22268-00-01  
Spot Description: \_\_\_\_\_  
NW SE NE NW Sec. 24 Twp. 18 S. R. 30  East  West  
768 Feet from  North /  South Line of Section  
2,242 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Lane  
Lease Name: Marit Well #: 2-24 SWD  
Field Name: \_\_\_\_\_  
Producing Formation: Cedar Hills SWD  
Elevation: Ground: 2842 Kelly Bushing: 2849  
Total Depth: 4626 Plug Back Total Depth: 1936  
Amount of Surface Pipe Set and Cemented at: 256 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: \_\_\_\_\_  
feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: Deanna Gorman Date: 05/17/2011



1055849

Operator Name: Larson Engineering, Inc. dba Larson Operating Company Lease Name: Marit Well #: 2-24 SWD  
 Sec. 24 Twp. 18 S. R. 30  East  West County: Lane

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological 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
Samples 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	1695	+1154
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Base Cedar Hills	1907	+942
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Anhydrite	2156	+693
List All E. Logs Run:				
Sonic Cement Bond Log				

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	12.25	8.625	20	256	Class A	175	2% gel, 3% CC
Production	7.875	5.5	15.5	1983	SMD	320	1/4#/sk flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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
1	1807-1907		

TUBING RECORD:	Size: <u>2.875 Seal-Tite</u>	Set At: <u>1783</u>	Packer At: <u>AD-1 @ 1780</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" 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 (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input checked="" type="checkbox"/> Other (Specify) <u>Cedar Hills SWD</u>	PRODUCTION INTERVAL: <u>1807-1907</u>
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# SWIFT



P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



RECEIVED MAR 1 2011

## Invoice

DATE	INVOICE #
2/24/2011	20099

BILL TO
Larson Engineering, Inc. 562 West State Road 4 Olmitz, KS 67564-8561

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#2-24 S...	Marit	Lane	H D Drilling	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				40	Miles	5.00	200.00
578D-L	Pump Charge - Long String				1	Job	1,400.00	1,400.00
330	Swift Multi-Density Standard (MIDCON II)				350	Sacks	15.00	5,250.00T
276	Floccle				75	Lb(s)	1.50	112.50T
290	D-Air				3	Gallon(s)	35.00	105.00T
221	Liquid KCL (Clayfix)				2	Gallon(s)	25.00	50.00T
581D	Service Charge Cement				350	Sacks	1.50	525.00
583D	Drayage				698.7	Ton Miles	1.00	698.70
	Subtotal							8,341.20
	Sales Tax Lane County						6.30%	347.60
<b>We Appreciate Your Business!</b>							<b>Total</b>	<b>58,688.80</b>

9308



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

TICKET  
20099

PAGE 1 OF 1

SERVICE LOCATION: Moody KS WELL/PROJECT NO: 2-24 SWD LEASE: Maric COUNTY/PARISH: Lane STATE: KS CITY: Dighton DATE: 24 FEB 11 OWNER:  
 TICKET TYPE:  SERVICE CONTRACTOR: RIG NAME/NO.: SHIPPED:  DELIVERED TO: Location ORDER NO.:  
 WELL TYPE: oil WELL CATEGORY: Development JOB PURPOSE: connect long string WELL PERMIT NO.: WELL LOCATION: 24-18-30W

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT		AMOUNT
		LOC	ACCT	DF		QTY.	UOM	QTY.	UOM	
575		1			MILEAGE TRK 114	40	mi			5.00 200.00
578		1			Pump Charge					1400.00 1400.00
330		1			SMB cement			350	sk	15.00 5250.00
276		1			Fluocel			75	lb	1.50 112.50
290		1			D-AIR			3	gal	95.00 285.00
581		1			Service Charge	350	sk			1.50 525.00
583		1			Drayage	34935	lb	696.7	TM	1.00 696.70
221					KCL Liquid	2	gal			25.00 50.00

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. Jason  
 DATE SIGNED: 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	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				8341.20
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				
Lans TAX 9% (4.3%)				347.60
TOTAL				8688.80

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 SWIFT OPERATOR: AP Campbell APPROVAL:  
 Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 24 FEB 1988 PAGE NO.

CUSTOMER TALSON Engineering

WELL NO. 2-24 SWD

LEASE MARIT

JOB TYPE cont long string

TICKET NO. 20099

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								350 sts SMD w/ floccul 5 1/2" - casing
	1915							on loc TRK 114
	<del>1915</del>							hook up to fill pipe
	2000							pipe stuck at 1985'
	2030							no circulation - mix more mud
	2130							Circulating mud
	2330							Drop ball
	2335						900	Set triplex shoe
	2330	4 3/4	15				300	Pump 15 bbl KCL H <sub>2</sub> O
	0005							Mix 30 sts in Rathole
	0015	6 3/4	130				400	mix 320 sts SMD w/ floccul.
	0045							Drop latch down plug
	0047	6					200	Pump H <sub>2</sub> O Displacement
		6	46				800	(cement to surface - 25 bbl fluid)
	0100		47				1500	Plug down (15 sts to pit)
	005							Release pressure to truck - dried up
								wash truck
								Rack up
	0140							job complete
								Thanks Plain Dave David