

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

3/10/11

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

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 JF

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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 Enh./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enh.?)  Docket No. \_\_\_\_\_

11/12/2008 11/22/2008 1/13/2009  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 101-22139-00-00  
County: LANE  
NW SE NE SW Sec. 3 Twp. 19 S. R. 30  East  West

1800/1834 feet from SOUTH Line of Section  
2090/3180 feet from WEST Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  SE  NW  SW

Lease Name: BRYANT Well #: 1-3

Field Name: WILDCAT

Producing Formation: CHEROKEE, MARMATON, L-KC

Elevation: Ground: 2880' Kelly Bushing: 2885'

Total Depth: 4660' Plug Back Total Depth: 4615'

Amount of Surface Pipe Set and Cemented at 248 Feet

Multiple State Cementing Collar Used?  Yes  No

If yes, show depth set 2181 Feet

If Alternate II completion, cement circulated from 2181 feet depth to SURFACE w/ 200 sx cmt.

AIT-2-Dlg - 4/17/09

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)

Chloride content 6400 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 Lee

Title: SECRETARY/TREASURER Date: 3/9/2009

Subscribed and sworn to before me this 9TH day of MARCH

2009.  
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

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

Operator Name: LARSON ENGINEERING, INC.

Lease Name: BRYANT

Well #: 1-3

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Sec. 3 Twp. 19 S. R. 30  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  Yes  No  
 (Attach Additional Sheets)

Sample Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

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
Name	Top	Datum
ANHYDRITE	2209	+676
BASE ANHYDRITE	2226	+659
HEEBNER	3913	-1028
LANSING	3956	-1071
STARK	4236	-1351
BASE KANSAS CITY	4360	-1475
FORT SCOTT	4492	-1607
CHEROKEE SHALE	4513	-1628
MISSISSIPPI	4586	-1701

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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"	28#	248'	CLASS A	180	2% GEL, 3% CC
PRODUCTION	7-7/8"	5-1/2"	15.5#	4658'	SMD	125	1/4#/SK FLOCELE
					EA-2	100	7#/SK GILSONITE, 1/8#/SK FLOCELE & 3/4% CFR

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	2181'	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)		Depth
		Amount	Kind	
4	4560-64, 4449-52, 4292-94	250 GAL 15% MCA		4560-64
		250 GAL 15% MCA		4449-52
		250 GAL 15% MCA		4292-94
		250 GAL 15% MCA		4292-94
		250 GAL 15% MCA		4449-52

TUBING RECORD	Size 2-3/8"	Set At 4597'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 1/13/09	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 66 Bbls.	Gas 0 Mcf	Water 7 Bbls.	Gas-Oil Ratio 0 Gravity 34

Disposition of Gas  Vented  Sold  Used on Lease  
 If vented, submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval  
 4292 - 4564 OA





CHARGE TO: Larson Operating Engineering  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

TICKET No 14587

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City, Ks</u>	WELL/PROJECT NO. <u>1-3</u>	LEASE <u>Bryant</u>	COUNTY/PARISH <u>Lane</u> <u>Hodgeman</u>	STATE <u>Ks</u>	CITY <u>Ness City, Ks</u>	DATE <u>11-22-08</u>	OWNER <u>Sune</u>
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>H-D Prlg</u>	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO <u>S/wob Amy</u>	ORDER NO.	
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>New well - long string</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT.	DF		QTY.	U/M	QTY.	U/M	
575					MILEAGE 104	45	mi	7	20	315.00
578					Pump Charge	1	ea	1400	00	1400.00
419					Rotary Head	1	ea	250	00	250.00
325					Standard Cont	100	sls	13	00	1300.00
284					Cul seal	5	sls	30	00	150.00
283					Salt	500	lbs	20		100.00
285					CFR-1	50	lbs	4	50	225.00
277					Gilsonite	700	lbs	4	00	280.00
330					SMD Cement	125	sls	16	00	2000.00
274					Flocele	32	lbs	1	50	48.00
581					Service Charge Cont	225	sls	1	90	427.50
583					Drayage	531.42	Ton miles	11	25	929.99

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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 Davis  
 DATE SIGNED 11-12-08 TIME SIGNED 5:30  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
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
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			

PAGE TOTAL	1	7425.49
Contractor		552.00
Sub total		7977.49
Lane TAX 5.3%		259.97
TOTAL		8237.46

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR Sally Fuchs APPROVAL \_\_\_\_\_

Thank You!



**JOB LOG**

**SWIFT Services, Inc.**

DATE 11-22-08 PAGE NO. 77

CUSTOMER Larson Engineering WELL NO. 1-3 LEASE Bryant JOB TYPE Long string TICKET NO. 14587

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	17:30							Called out
	17:45							On Location / set up
	18:00							Hooked up to well Head
	18:15							Started circulating
	19:15							Done circulating at Rotating Pump
	19:16		12					500 gal Mud fluid
	19:18		20					20 bbl RCL fluid
	19:20							Started mixing out
	19:25							Plug set hole & <del>maneuvered</del>
	19:28							Cut down hole
	19:29	5	47					125 sls SMD cut by 4/10/08
		5 1/2	25					100 sls standard cut 5-20/08
								10% salt, 5% CFR1, 7# Gilsomix
	19:43	5 1/2	Total 72 bbl					Done mixing out
	19:44							Release plug & wash out pump & loc
	19:45		0					Start displacement
	20:02	6 1/2	110					Done w/ displacement
	20:03					1500		Loaded plug at 1500 PSI
	20:05					0		Release pressure -
	20:10							Floor held
	20:15							Washed up hole
	20:20							Racked up
	20:30							Job completed
								Shut gate
								Sul, Brett & Paul

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TICKET

No 15172

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

PAGE 1 OF 1

SERVICE LOCATIONS 1. <b>NESS CITY, KS</b>	WELL/PROJECT NO. <b>1-3</b>	LEASE <b>BRYANT</b>	COUNTY/PARISH <b>LASE</b>	STATE <b>KS</b>	CITY	DATE <b>12-2-08</b>	OWNER <b>SAME</b>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <b>WDD WEST WELL SERVICE</b>	RIG NAME/NO.	SHIPPED VIA <b>CT</b>	DELIVERED TO <b>LOCATION</b>	ORDER NO.	
3.	WELL TYPE <b>OIL</b>	WELL CATEGORY <b>DEVELOPMENT</b>	JOB PURPOSE <b>CEMENT PORT COLLAR</b>	WELL PERMIT NO.	WELL LOCATION <b>S/AMY, KS - 4 1/2 S, 1/2 W, N.S.</b>		
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	50		ME		7.00	350.00
578		1			PUMP SERVICE	1	2182	JOB	FT	1400.00	1400.00
330		1			SWIFT MULTI-DENSITY STANDARD	200		SYS		16.00	3200.00
276		1			FLOCELE	56		URS		1.50	84.00
290		1			D-ADR	2		GAL		35.00	70.00
581		1			SERVICE CHARGE CEMENT	225		SYS		1.90	427.50
583		1			DRAYAGE	22326	558.15	URS	TM	1.75	976.76

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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 Lawson*  
 DATE SIGNED: **12-2-08** TIME SIGNED: **1400**  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	<b>6508.26</b>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
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%	<b>177.76</b>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL	<b>6686.02</b>
<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 12-2-08 PAGE NO. 1

CUSTOMER **LARSON OPERATING** WELL NO. **1-3** LEASE **BRYANT** JOB TYPE **CEMENT PORT COLLAR** TICKET NO. **15172**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1400							ON LOCATION
								2 3/8 x 5 1/2 PORT COLLAR e 2182
	1435				✓		1000	PSE TEST CASING - HELD
	1440	3 1/2	2	✓		300		OPEN PORT COLLAR - INT RATE
	1450	4 1/2	111	✓		400		MIX CEMENT 200 SKS SMD 1/4 # FLOCCEL P/SK
	1515	4	7 1/2	✓		600		DISPLACE CEMENT
	1525				✓		1000	CLOSE PORT COLLAR - PSE TEST - HELD
								CIRCULATED 20 SKS CEMENT TO PIT
	1540	4	25		✓		500	RUN 4 JTS - CIRCULATE CLEAN
								WASH TRUCK
	1630							JOB COMPLETE

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THANK YOU  
WAYNE, BRETT, DAVE

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**LARSON ENGINEERING INC.**

EXPLORATION AND PRODUCTION

562 WEST STATE ROAD 4

OLMITZ, KS 67564-8561

(620) 653-7368

(620) 653-7635 FAX

**ACO-1 CONFIDENTIALITY REQUEST**

**KCC**  
MAR 10 2009  
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VIA Certified Mail

March 10, 2009

Kansas Corporation Commission  
Oil & Gas Conservation Division  
130 South Market, Room 2078  
Wichita, KS 67202

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Re: Bryant 1-3  
1800' FSL & 2090' FWL Sec. 3-19S-30W  
Lane County, Kansas  
API #15-101-22139-00-00

Ladies and Gentlemen:

Enclosed please find the ACO-1 Well Completion Form, with copies of logs, geo report, cementing tickets and DST data (if applicable) for the captioned well. We request that all information be held confidential for the maximum time allowable.

If you have questions or require additional information, please call.

Sincerely,

Larson Engineering, Inc.



Carol Larson  
Secretary/Treasurer

Encl.