

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API No. 15- 197-20262-0000

County Wabaunsee

140' N of SE - NE - NW - Sec. 32 Twp. 14S Rge. 10 X E
 W

Operator: License # 3842
Larson Operating Company
Name: A Division of Larson Engineering, Inc.
Address 562 West Highway 4

850 Feet from NORTH Line of Section

2310 Feet from WEST Line of Section

Footages calculated from nearest outside section corner: NW

City/State/Zip Olmitz, KS 67564-8561

Lease Name Eldridge Well # 3-32

Purchaser: NCRA

Field Name Ashburn South

Operator Contact Person: Tom Larson

Producing Formation Viola

Phone 620-653-7368

Elevation: Ground 1470' KB 1480'

Contractor: Name: Summit Drilling Company

Total Depth 3243' PBDT 3243

License: 30141

Amount of Surface Pipe Set and Cemented at 333 Feet

Wellsite Geologist: Richard S. Davis Jr.

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set Feet

X Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

If Workover/Re-Entry: Oil well info as follows:

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit) See 1 cm

Operator:

Chloride content 1100 ppm Fluid Volume 4800 bbls

Well Name:

Dewatering method used allowed to dry

Comp. Date Old Total Depth

Location of fluid disposal if hauled offsite:

 Deepening Re-Perf. Conv. To Inj/SWD
 Plug Back PBDT

Operator Name

 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

Lease Name

11/15/02 11/23/02 12/12/02
Spud Date Date Reached TD Completion Date

 Quarter Sec. Twp. Rng. W

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, 82030196 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 geological well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 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 2/3/2003

Subscribed and sworn to before me this 14th day of February 2003.

Notary Public Carol S. Larson

My Commission Expires June 25, 2005

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

CONFIDENTIAL

KCC

FEB 15 2003

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RELEASED

FROM

CONFIDENTIAL

RECEIVED

FEB 19 2003

KCC WICHITA

X

Operator Name: Larson Operating Company
A Division of Larson Engineering, Inc. Lease Name: Eldridge Well #: 3-32
 Sec. 32 Twp. 14 S. R. 10 East West County: Wabaunsee

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 type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Sample 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	Lansing	1630	-150
Electric Log Run (Submit Copy)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Kansas City	1774	-294
List All E. Logs Run:			BKC	1979	-499
			Cherokee Sh.	2214	-734
			Mississippi	2602	-1122
			Kinderhook	2895	-1415
			Hunton	3050	-1570
			Maquoketa	3163	-1683
			Viola	3240	-1760

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	321'	Class A	185	2% gel, 3% CC
Production		5-1/2"	14	3241	60-40 poz	125	2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top	Depth 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)	
		Amount	Depth
		250 gal 20% SWIC w/ 2 gal AS-7	3241-43'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	3233'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.		Producing Method			
1/2/03		<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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	12	0	240		33°

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

METHOD OF COMPLETION: _____

Production Interval: 3241-43'

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ORIGINAL

Larson Operating Company

A Division of Larson Engineering, Inc.

Operator Name

Lease Name

Eldridge

Well #

3-32

Sec. 32

Twp. 14S

Rge. 10

East
 West

County

Wabaunsee

DRILL STEM TEST #1

Interval tested: 3235-3243'
 Times tool opened: 15-30-45-90
 Initial hydrostatic pressure: 1666#
 Initial flow pressures: 26-66#
 Initial shut-in pressure: 974#
 Final flow pressures: 69-165#
 Final shut-in pressure: 982#
 Final hydrostatic pressure: 1657#
 Bottom hole temperature: 114°
 Recovery: 30' MCO (30% mud, 70% oil), 325' clean oil (100%)

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DRILL STEM TEST #2

Interval tested:
 Times tool opened:
 Initial hydrostatic pressure:
 Initial flow pressures:
 Initial shut-in pressure:
 Final flow pressures:
 Final shut-in pressure:
 Final hydrostatic pressure:
 Bottom hole temperature:
 Recovery:

DRILL STEM TEST #3

Interval tested:
 Times tool opened:
 Initial hydrostatic pressure:
 Initial flow pressures:
 Initial shut-in pressure:
 Final flow pressures:
 Final shut-in pressure:
 Final hydrostatic pressure:
 Bottom hole temperature:
 Recovery:

DRILL STEM TEST #4

Interval tested:
 Times tool opened:
 Initial hydrostatic pressure:
 Initial flow pressures:
 Initial shut-in pressure:
 Final flow pressures:
 Final shut-in pressure:
 Final hydrostatic pressure:
 Bottom hole temperature:
 Recovery:

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KCC WICHITA

ALLIED CEMENTING CO., INC. 11474

Federal Tax I.D.# [REDACTED]

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

ORIGINAL
SERVICE POINT
Russell

CONFIDENTIAL

DATE <i>11-22-02</i>	SEC. <i>32</i>	TWP. <i>14</i>	RANGE <i>10E</i>	CALLED OUT <i>3:00pm</i>	ON LOCATION <i>7:00pm</i>	JOB START	JOB FINISH <i>4:00 AM</i>
LEASE <i>Eldridge</i>	WELL # <i>Eldridge</i>	LOCATION <i>I-70 & 177 10S 7E 4S 2E</i>			COUNTY <i>Wichita</i>	STATE <i>Kan</i>	
OLD OR NEW (Circle one) <u>NEW</u>				KCC			

CONTRACTOR *Summit H Drilling*

TYPE OF JOB *Oil Prod String*

HOLE SIZE *7 7/8* T.D. *3243*

CASING SIZE *5 1/2* DEPTH *3241*

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. *34.21*

PERFS. _____

DISPLACEMENT *78.29*

EQUIPMENT _____

PUMP TRUCK CEMENTER *Bill*

177 HELPER *Darin*

BULK TRUCK

213 DRIVER *Brent*

BULK TRUCK

_____ DRIVER _____

OWNER *FEB 15 2003*

CEMENT **CONFIDENTIAL**

AMOUNT ORDERED *125 bbl 6 7/8 2% 601*

COMMON	<i>75</i>	@	<i>665</i>	<i>49875</i>
POZMIX	<i>50</i>	@	<i>355</i>	<i>17750</i>
RELEASED FROM CONFIDENTIAL	<i>2</i>	@	<i>1000</i>	<i>2000</i>
SULFONATE		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>125</i>	@	<i>40</i>	<i>13750</i>
MILEAGE	<i>44/SK</i>	/MILE		<i>37500</i>
TOTAL				<i>120875</i>

REMARKS:

Pipe set @ 3241

Shoe pt. 34.71

Insert @ 3208.80

Cement 125 bbl 6 7/8 2

pump plus w/ 78.29 bbls

Land plus @ 1500" Hold

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE *113000*

EXTRA FOOTAGE _____ @ _____

MILEAGE *75* @ *300* *22500*

PLUG *5-1/2* @ *5000*

TOTAL *140500*

CHARGE TO: *Larson Engineering Inc.*

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

Furnished @ _____

@ _____

@ _____

@ _____

@ _____

To Allied Cementing Co., Inc.

You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE *T.C. Larson*

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KCC WICHITA

T.C. LARSON

PRINTED NAME



United Cementing and Acid Co., Inc.

KCC

FEB 15 2003

SERVICE TICKET

4273 ORIGINAL

Oil Well Cementing & Acidizing
 (316) 321-4680 • 800-794-0187 • FAX (316) 321-4729
 2510 West 6th Street • El Dorado, KS 67042

CONFIDENTIAL DATE 11-16-02

COUNTY WARRENSEE

CHARGE TO LARSEN OPER. Co.

ADDRESS _____ CITY _____ ST _____ ZIP _____

LEASE & WELL NO. Eldridge #3-32 SEC. 32 TWP. 14S RNG. 10E

CONTRACTOR Summit Drig. TIME ON LOCATION 12:30pm

KIND OF JOB SURFACE CSG. OLD NEW

Quantity	MATERIAL USED	Serv. Charge	
			340'
185	CLASS A	@ 5.80	472.50
45x	SE-1	@ 9.50	1073.00
65x	Calcium CHLORIDE	@ 26.10	38.00
			156.60
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185x	BULK CHARGE		183.30
65	BULK TRK. MILES: 9.75 tons		443.62
65	PUMP TRK. MILES		130.00
	PLUGS		
	SALES TAX	119.35	177.51
	TOTAL	2616.37	2616.37

T.D. 340' CSG. SET AT 321' VOLUME _____

SIZE HOLE 12 1/4 TBG SET AT _____ VOLUME _____

MAX. PRESS. _____ SIZE PIPE 8 5/8

PLUG DEPTH 311' PKR DEPTH _____

PLUG USED CLASS A 2%gel 3% C.C. TIME FINISHED 2:15pm

REMARKS: SET SURFACE PIPE AT 321' MIXED AND PUMPED 185x CLASS A 2%gel 3% C.C. Displaced Down to 311' CIRCULATED CEMENT TO SURFACE.

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FEB 19 2003

EQUIPMENT USED

NAME KCC; WICHITA UNIT NO. _____

NAME _____ UNIT NO. _____

JIM THOMAS P-14

GREG SWANK B-3

[Signature] #18
 CEMENTER OR TREATER

OWNER'S REP.