

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

API NO. 15- 151-22,103 ✓ ⁻⁰⁰⁻⁰⁰

County PRATT

C S/2- SW - NE - NE Sec. 18 Twp. 26S Rge. 15 ^E_XW

4125 Feet from S/ (circle one) Line of Section

990 Feet from E/ (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
 SE, (circle one)

Lease Name CURTIS Well # 1

Field Name WIL

Producing Formation _____

Elevation: Ground 2050 KB 2055

Total Depth 4411 PBDT 4411

Amount of Surface Pipe Set and Cemented at 445 Feet

Multiple State 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 alt DVA
(Data must be collected from the Reserve Pit)

Chloride content 6600 ppm Fluid Volume 4800 bbls

Dewatering method used ALLOWED TO DRY

Location of fluid disposal if hauled offsite:

Operator Name _____

Lease Name _____

Quarter Sec. _____ Twp. _____ Rng. _____ ^E_XW

County _____ Docket No. _____

Operator: License # 3842 ✓

LARSON OPERATING COMPANY

Name: A DIVISION OF LARSON ENGINEERING, INC.

Address 562 WEST HIGHWAY 4

City/State/Zip OLMITZ, KS 67564-8561

Purchaser: _____

Operator Contact Person: TOM LARSON

Phone (316) 653-7368

Contractor: Name: EMPHASIS OIL OPERATIONS ✓

License: 8241

Wellsite Geologist: DOUG BELLIS/MARK HERNDON

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S1OW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc.)

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-Perf. Conv. to Inj/SWD

Plug Back _____ PBDT

Commingled _____ Docket No. _____

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

8/11/93 ✓ 8/21/93 ✓ 8/21/93 ✓
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 geological 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 C. Larson

Title PRESIDENT Date 9/1/93

Subscribed and sworn to before me this 1ST day of SEPTEMBER, 1993.

Notary Public Carol S. Larson
CAROL S. LARSON

Date Commission Expires JUNE 8, 1997

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Received
C Wireline Log Received
C Geologist Report Received
Distribution: SEP 26 1993
KCC _____ SWD/Rep _____ NGPA _____
KGS _____ EQS _____ other _____
CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
Wichita, Kansas



P1

Operator Name LARSON OPERATING COMPANY, A DIVISION OF LARSON ENGINEERING, INC. Lease Name CURTIS Well # 1

Sec. 18 Twp. 26S Rge. 15 East West County PRATT

Instructions: Show important tops and base of formation penetrated. Detail all cores. Report all 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)</p> <p>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p> <p>List All E. Logs Run: DUAL INDUCTION COMPENSATED NEUTRON DENSITY</p>	<p><input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">Name</th> <th style="width:20%;">Top</th> <th style="width:20%;">Datum</th> </tr> </thead> <tbody> <tr> <td>TOPEKA</td> <td>3402</td> <td>-1347</td> </tr> <tr> <td>HEEBNER</td> <td>3731</td> <td>-1676</td> </tr> <tr> <td>LANSING</td> <td>3901</td> <td>-1846</td> </tr> <tr> <td>KINDERHOOK</td> <td>4357</td> <td>-2302</td> </tr> </tbody> </table>	Name	Top	Datum	TOPEKA	3402	-1347	HEEBNER	3731	-1676	LANSING	3901	-1846	KINDERHOOK	4357	-2302
Name	Top	Datum														
TOPEKA	3402	-1347														
HEEBNER	3731	-1676														
LANSING	3901	-1846														
KINDERHOOK	4357	-2302														

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#	445	60-40 POZ	300	2% GEL, 3% CC

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First Resumed Production, SWD or Inj.		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: Vented Sold Used on Lease (If vented, submit ACO-18).

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) D & A

Production Interval _____

ORIGINAL

Operator Name LARSON OPERATING COMPANY,
A DIVISION OF LARSON ENGINEERING, INC.

Lease Name CURTIS

Well # 1

Sec. 18 Twp. 26S Rge. 15

East

County PRATT

West

API # 15-151-22103

DRILL STEM TEST #1

Interval tested: 4045-4052
Times tool opened: MISRUN
Initial hydrostatic pressure:
Initial flow pressures:
Initial shut-in pressure:
Final flow pressures:
Final shut-in pressure:
Final hydrostatic pressure:
Bottom hole temperature: °F
Recovery:

DRILL STEM TEST #2

Interval tested: 4033-4052
Times tool opened: 30-60-30-60
Initial hydrostatic pressure: 1988.3
Initial flow pressures: 41.2-42.3
Initial shut-in pressure: 241.5
Final flow pressures: 51.3-51.3
Final shut-in pressure: 161.4
Final hydrostatic pressure: 1955.7
Bottom hole temperature: 103 °F
Recovery: 30' SLIGHTLY OIL STAINED MUD

DRILL STEM TEST #3

Interval tested: 4357-4376
Times tool opened: 30-60-OUT
Initial hydrostatic pressure: 2124.6
Initial flow pressures: 26.5-42.3
Initial shut-in pressure: 401.2
Final flow pressures:
Final shut-in pressure:
Final hydrostatic pressure:
Bottom hole temperature: 116 °F
Recovery: 30' GAS IN PIPE, 90' SLIGHTLY MUD CUT WTR (95% WTR, 5% MUD)

RECEIVED
STATE CORPORATION COMMISSION
07
SEP 06 1993
CONSERVATION DIVISION
Wichita, Kansas

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ORIGINAL ALLIED CEMENTING CO., INC.

1697

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date <i>10-11-93</i>	Sec. <i>18</i>	Twp. <i>26</i>	Range <i>15</i>	Called Out <i>5:00 am</i>	On Location <i>6:30 am</i>	Job Start <i>10:30 am</i>	Finish <i>11:00 am</i>
Lease <i>Curtis</i>	Well No. <i>#1</i>	Location <i>Horwell 1 1/2 S 215</i>			County <i>Patt</i>	State <i>KS</i>	

Contractor *Emphasis Drilling Rig # 5*

Type Job *Surface Pipe Job*

Hole Size <i>12 1/4</i>	I.D. <i>4 1/2</i>
Csg. <i>4 1/2</i>	Depth <i>447 ft</i>
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg. <i>15 1/4</i>	Shoe Joint
Press Max.	Minimum
Meas Line <i>432 ft</i>	Displace <i>28.9 bbl</i>
Perf.	

Owner

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 listed.

Charge To *Larson Operating Co. Div of Larson Enterprises Inc*

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X *Bill Owen* *Thank you*

CEMENT

M. J. Ward

EQUIPMENT

Pumptrk	No.	Cementer	<i>M. K.</i>
	<i>120</i>	Helper	<i>Dumas</i>
Pumptrk	No.	Cementer	
		Helper	
		Driver	
Bulktrk	<i>256</i>		<i>Carl</i>
Bulktrk		Driver	

Amount Ordered *300 6/10 3700 27 gal*

Consisting of

Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

Handling

Mileage

Sales Tax

DEPTH of Job *447 ft*

Reference:	<i>Pump Truck Charge</i>	
	<i>milase charge</i>	
<i>1</i>	<i>8 1/2 wooden plug</i>	
	Sub Total	
	Tax	
	Total	

Sub Total

Total

Thank you

Floating Equipment

Remarks: *Cement did circulate*

*Allied Cementing Co Inc
 Mike Marsh*

RECEIVED
 STATE CORPORATION COMMISSION
 SEP 06 1993
 IN
 CONSERVATION DIVISION
 Wichita, Kansas