

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

**CONFIDENTIAL**

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: NCRA

Operator Contact Person: Tom Larson

Phone 316-653-7368

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: Richard S. Davis Jr.

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: Oil well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

☐ Deepening ☐ Re-Perf. ☐ Conv. To Inj/SWD  
☐ Plug Back ☐ PBTB  
☐ Commingled ☐ Docket No. \_\_\_\_\_  
☐ Dual Completion ☐ Docket No. \_\_\_\_\_  
☐ Other (SWD or Inj?) ☐ Docket No. \_\_\_\_\_

10/26/00 11/3/00 12/21/00  
Spud Date Date Reached TD Completion Date

API No. 15- 055-2169<sup>3</sup>-0000

County Finney

AP - NE - SE - SW Sec. 9 Twp. 23S Rge. 31 X E W

1650 Feet from North Line of Section

2297 Feet from West Line of Section

Footages calculated from nearest outside section corner: NW

Lease Name Pauls Well # 1-9

Field Name Stewart

Producing Formation Morrow Sandstone

Elevation: Ground 2185' KB 2890'

Total Depth 4962' PBTB 4914'

Amount of Surface Pipe Set and Cemented at 532 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 2058 Feet

If Alternate II completion, cement circulated from 2058

feet depth to surface w/ 225 sx cmt.

Drilling Fluid Management Plan ALT 2 4/13/01 JB  
(Data must be collected from the Reserve Pit)

Chloride content 4000 ppm Fluid Volume 8000 bbls

Dewatering method used allowed to dry

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_

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 Carol Larson

Title Secretary/Treasurer Date 2/12/2001

Subscribed and sworn to before me this 12th day of February 2001.

Notary Public Lila J. Vondracek

My Commission Expires 12-11-01

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  
       IOG (Specify)

Operator Name Larson Operating Company Lease Name Pauls Well # 1-9Sec. 9 Twp. 23S Rge. 31 ☐ East  
☒ WestCounty Finney

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.

Drill Stem Tests Taken ☒ Yes ☐ No  
(Attach Additional Sheets.)Sample Sent to Geological Survey ☐ Yes ☒ NoCores Taken ☐ Yes ☒ NoElectric Log Run ☒ Yes ☐ No  
(Submit Copy.)List all E. Logs Run: Dual Induction  
Dual Comp Porosity☒ Log

Formation (Top), Depth and Datum

☐ Sample

Name Top Datum

Anhydrite	2058	+832
Krider	2676	+214
Heebner	3986	-1096
Lansing	4037	-1147
Stark	4353	-1463
Base Kansas City	4490	-1600
Pawnee	4592	-1702
Cherokee Sh.	4635	-1745
Morrow Sh.	4780	-1890
Mississippi	4798	-1908

CASING RECORD ☐ New ☒ 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"	25#	532' KB	60-40 poz	300	2% gel, 3% CC
Bottom Stage	7-7/8"	5-1/2"	15.5#	4947' KB	SMD	100	2% CC, 7#/sk gilsonite, 1/4#/sk flocele, 1/2%
Top Stage					SMD	225	2% CC, 1/4#/sk flocele CFR-1, 1/4% Halad, 1/2% D-A11

## 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					

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
4	4788-96'			

TUBING RECORD		Size	Set At	Packer At	Liner Run	
		2-3/8"	4980'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj.			Producing Method			
1/23/01			<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.
	45		0		0	
		Gas-Oil Ratio		Gravity		
		0		30		

Disposition of Gas

METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease  
(If vented, submit ACO-18).☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

4788-96'

☐ Other (Specify) \_\_\_\_\_