8-14-14W

FORM MUST BE TYPED

SIDE ONE

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

API NO. 15- 167-23[illegible]-0000

County RUSSELL

100' - NW - NE - SE Sec. 8 Twp. 14S Rge. 14 E/X W

2210 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 J.A. KRUG Well # 5

Field Name HALL-GURNEY

Producing Formation L-KC, TORONTO, PLATTSMOUTH

Elevation: Ground 1867 KB 1872

Total Depth 3330 PBTD 3299

Amount of Surface Pipe Set and Cemented at 209 Feet

Multiple Stage Cementing Collar Used? X Yes ____ No

If yes, show depth set 923 Feet

If Alternate II completion, cement circulated from 923

feet depth to SURFACE w/ 115 sx cmt.

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: KOCH OIL COMPANY

Operator Contact Person: TOM LARSON

Phone (316) 653-7368

Contractor: Name: VONFELDT DRILLING, INC.

License: 9431

Wellsite Geologist: ROBERT STOLZLE

Designate Type of Completion
X New Well ____ Re-Entry ____ Workover

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

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

Operator:

Well Name:

Comp. Date ____ Old Total Depth ____

____ Deepening ____ Re-Perf. ____ Conv. to Inj/SWD
____ Plug Back ____ PBTD
____ Commingled Docket No.
____ Dual Completion Docket No.
____ Other (SWD or Inj?) Docket No.

4/5/96 Spud Date | 4/9/96 Date Reached TD | 4/24/96 Completion Date

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

Chloride content 78000 ppm Fluid Volume 375 bbls

Dewatering method used ALLOWED TO DRY

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name

____ Quarter Sec. ____ Twp. ____ Rng. ____ E/W

County ____ Docket No. ____

INSTRUCTIONS: An original and two copies of this form 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 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 Larson

Title PRESIDENT Date 5/24/96

Subscribed and sworn to before me this 24TH day of MAY, 1995.

Notary Public Carol S. Larson
CAROL S. LARSON

Date Commission Expires JUNE 8, 1997

CAROL S. LARSON
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-8-97

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)

Form ACO-1 (7-91)

SIDE TWO

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

Lease Name J.A. KRUG Well # 5

Sec. 8 Twp. 14S Rge. 14 [E] [X] East [X] West

County RUSSELL

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 (Attach Additional Sheets.) ☐ Yes [X] No

Samples Sent to Geological Survey ☐ Yes [X] No

Cores Taken ☐ Yes [X] No

Electric Log Run (Submit Copy.) [X] Yes ☐ No

List All E. Logs Run:
DUAL INDUCTION
COMP NEUTRON LITHO DENSITY

[X] Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
ANHYDRITE	892	+980
TARKIO	2537	-665
TOPEKA	2743	-871
HEEBNER	2969	-1097
LANSING GP	3027	-1155
BASE KANSAS CITY	3226	-1354
CONGLOMERATE	3236	-1364

CASING RECORD ☐ New [X] 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#	209	60/40 POZ	135	2% GEL, 3% CC
PRODUCTION	7-7/8"	5-1/2"	14#	3329	60/40 POZ	100	10% SALT, 7#/SK GILS, 3/4% H-322
					EA-2	100	5% CALSEAL, 18% SALT, 7#/SK

ADDITIONAL CEMENTING/SQUEEZE RECORD GILSONITE, 3/4% H-322

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top	Bottom	Type of Cement	# Sacks Used	Type and Percent Additives

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	3188-94 3068-71 CIBP @ 3160		
4	3028-32 2992-96		
4	2920-24		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	3151		☐ Yes [X] No

Date of First, Resumed Production, SWD or Inj. 4/26/96

Producing Method ☐ Flowing [X] Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	30				310			35

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18).

METHOD OF COMPLETION

☐ Open Hole [X] Perf. ☐ Dually Comp. ☐ Commingled

☐ Other (Specify) _____

Production Interval 2920-3071