

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

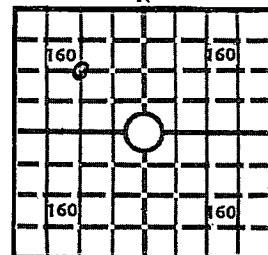
S. 21 T. 26 R. 36W

API No. 15 — 093 — 20,189
County Number

Loc. 1320' ENI & 1320' FWI

County Kearny

640 Acres
N



Locate well correctly

Elev.: Gr. 3084

DF _____ KB 3095

Operator Kansas-Nebraska Natural Gas Co., Inc	
Address 5715 W. 11th Ave. Lakewood, Colo.	
Well No. #20-2	Lease Name Lee
Footage Location 1320 feet from (N) <u>XX</u> line 1320 feet from <u>XX</u> (W) line	
Principal Contractor Zenith Drilling Corporation	Geologist
Spud Date 7/6/75	Total Depth 3000
	P.B.T.D. 2954
Date Completed 8/27/75	Oil Purchaser

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/4	8 5/8	24	576	35-65 Poz Class H	225 150	1/4# D29 3% CaCl ₂
Production	7 7/8	4 1/2	10.5	2999	Lite 50-50 Poz	500 200	18% salt & 3/4% CFR ₂

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2 jspf		2790-98, 2808-12, 2816-20, 2828-32, 2841-44, 2858-64, 2880-84, 2993-96, 2902-06

TUBING RECORD

Size	Setting depth	Packer set at
1 1/2"	2920	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
100,000 gals wtr & 200,000# grd river sd	2790-2906

INITIAL PRODUCTION

Date of first production ST, WO pipeline connection	Producing method (flowing, pumping, gas lift, etc.) Flowing
RATE OF PRODUCTION PER 24 HOURS	Oil bbls. CAOF 3900
Gas MCF	Water bbls. CFPB
Gas-oil ratio	Producing interval (s) 2790-2906 Council Grove
Disposition of gas (vented, used on lease or sold) Sold to Kansas-Nebraska Natural Gas Company, Inc.	

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Kansas-Nebraska Natural Gas Company, Inc. DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: Gas

Well No. 20-2 Lease Name Lee

S 21 T 26S R 36 E W

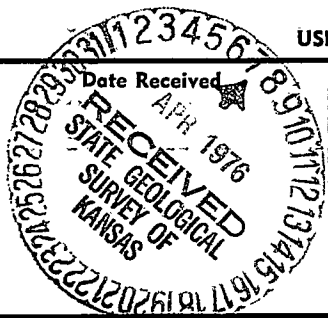
WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Chase	2386		GR/N	500-2952
Council Grove	2786		Cement Top	450-854
LTD in Council Grove		2952.5		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.



TJ GANWEN

Signature

Drilling Superintendent

Title

October 13, 1975

Date