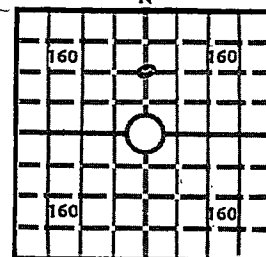


KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCHAPI No. 15 — 093 — 20,218
County Number

S. 13 T. 26S R. 36E

Loc. 1320' FNL & 2640' FEL

County Kearny
640 Acres
N

Locate well correctly

Elev.: Gr. 3008

DF KB 3019

Operator

Kansas-Nebraska Natural Gas Company, Inc.

Address

5715 W. 11th Ave., Lakewood, Colorado 80214

Well No.

3-2

Lease Name

Tate

Footage Location

1320 feet from (N) line 2640 feet from (E) line

Principal Contractor

Zenith Drilling Corporation

Geologist

Spud Date

10/18/75

Total Depth

3000

P.B.T.D.

2968

Date Completed

11/13/75

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	602	50-50 Poz Common	300	1/4# flocele
Production	7 7/8	4 1/2	15.1	2999	50-50 Poz	500	3% CaCl ₂
						200	1/4# flocele
							18% salt, 3/4% CFR2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2 jspf	.4	2729-42, 2745-49, 2752-66, 2794-2803
TUBING RECORD					
Size	Setting depth	Packer set at			
1 1/2"	2813				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
2000 gal 15% HCl	2729-2803
100,000# sd & 2700 BW.	2729-2803

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
SI, WO pipeline connection		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	bbls.	MCF	bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Sold to Kansas-Nebraska Natural Gas Company, Inc.			2729-2803 Council Grove		

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.

Kansas-Nebraska Natural Gas Company, Inc.

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:
Gas

3-2

Lease Name

Tate

S 13 T 26 S R 36 X EX
W

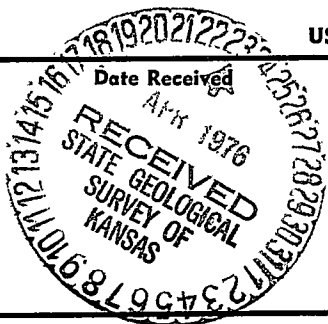
WELL LOG

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	2444		GR-N-CCL	2967-1790
Council Grove	2722			
Admire	2950			
LTD IN Admire		2968		

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



TJ GARNER

Signature

Drilling Superintendent

Title

November 21, 1975

Date