

19-4-41W

**KANSAS DRILLERS LOG**

S. 19 T. 4S R. 41 <sup>XX</sup>W

API No. 15 — 023 — 20,087  
County Number

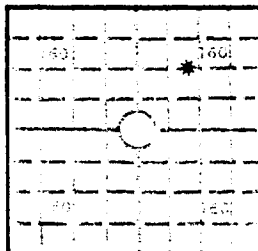
Loc. NE/4

County Cheyenne

Operator  
Kansas Nebraska Natural Gas Co., Inc.

640 Acres  
N

Address  
P. O. Box 15265 Lakewood, Co 80215



Well No. 1-19 Lease Name Zwegardt

Locate well correctly

Footage Location  
1320' feet from (N) ~~S~~ line 1500' feet from (E) ~~W~~ line

Elev.: Gr. 3434'

Principal Contractor Exeter Drilling Co. Geologist none

Spud Date 9/24/78 Total Depth 1460' P.B.T.D. 1420'

Date Completed 12/8/78 Oil Purchaser N/A

DF KB 3445'

**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"	24.0#	94'	50-50 POZ	94 sx.	--
Production	7 7/8"	4 1/2"	9.5#	1337'	50-50 POZ	125 sx	10% salt

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
N/A			2 SPE	3/8" jet	1214' - 1226'

**TUBING RECORD**

Size	Setting depth	Packer set at
N/A		

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
80,000 gals foam frac. 128,000# sand	1214' - 1226'

**INITIAL PRODUCTION**

Date of first production 12/8/78 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS  
Oil N/A bbls. Gas 322 MCF Water 0 bbls. Gas-oil ratio 0 CFPB

Disposition of gas (vented, used on lease or sold) Vented Producing interval(s) 1214' - 1226' Niobrara

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 Co., Inc.

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

Well No.  
1-19

Lease Name  
Zweygardt

Gas

S 19 T 4 R 41 <sup>EX</sup> 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
Niobrara chalk Ran DIL, CNL-FDC open-hole logs	1190'	1228'	Niobrara	

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

Date Received

E. Z. Downing  
Signature  
Manager, Drilling and Production  
Title  
3/20/79  
Date