

State Geological Survey
WICHITA, BRANCH
KANSAS DRILLERS LOG

INFORMATION
Kans. Geol. Survey request
samples on this well.

API No. 15 — 145 — 20,379
County Number

S. 19 T. 21 R. 19^E_W
Loc. 0 W¹ SW
County Pawnee

Operator
Northern Natural Gas Company

Address
Post Office Box 35288, Tulsa, Oklahoma 74135

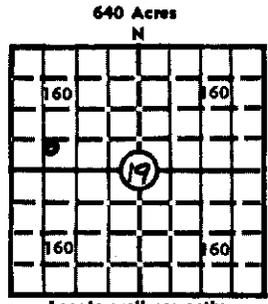
Well No. #1-19 Lease Name Bozel Baptist Church

Footage Location
2110 feet from (N) XX line 760 feet from XX (W) line

Principal Contractor Emphasis Oil Operations Geologist Charles W. Hickok

Spud Date March 12, 1975 Total Depth 2270' P.B.T.D. 2264'

Date Completed April 18, 1975 Oil Purchaser Gas well



Locate well correctly
Elev.: Gr. 2088
DF _____ KB 2093

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	978	50-50 Poz Common	200 175	3% CaCl
Production	7-7/8"	4-1/2"	10.78	2269	50-50 Poz	150	18% Salt 3% CaCl 1/8# Tuf Fibre

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None					
TUBING RECORD			2	Jet DP	2164-2170
Size	Setting depth	Pecker set at	2	"	2176-2190
2-3/8"	2195	---			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized w/750 gal. gas well acid (HCl with alcohol)	2164-2190
Acidized w/3000 gal. gas well acid & 30,000 lb. CO ₂	" "

INITIAL PRODUCTION

Date of first production Shut-in - wait on P.L. Producing method (flowing, pumping, gas lift, etc.) Flow tested

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	- bbls.	387 MCF	35.8 bbls.	- CFPB

Disposition of gas (vented, used on lease or sold) Shut-in, wait on pipe line Producing interval (s) As perforated above

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

Well No. 1-19 Lease Name Rozel Baptist Church Gas

S 19 T 21 S R 19 ^{XX}_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
Anhydrite	1204	1228		
Dolomite	2157	2214	Herington-Krieger Winfield	
Dolomite	2214	2243		
DST #1 Tool open 1 hr. Gas to surf, 45 min. closed in 60 min. Re-opened 120 min. Gas rate 80/MCF/day. Pressures - IHH - 1159 psi IFP 18 " FFP 64 " ICIP 625 " IFP 46 " FFP 110 " FCIP 625 " FHH 1149 " Recov. 190' Drlg. mud.	2147	2206		
DST #2 Tool open 60 min. Fair blow, closed in 60 min. Re-opened 120 min. Fair to strong blow. No gas to surface. Pressures - IHH - 1213 IFP 18 FFP 166 ICIP 616 IFP 166 FFP 257 FCIP 616 FHH 1167 Recovered 430' watery drlg. mud. Chlorides 149,550 ppm.	2206	2270		

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



Charles W. Kichok
Production Superintendent Signature

December 2, 1975 Title
Date

313539