

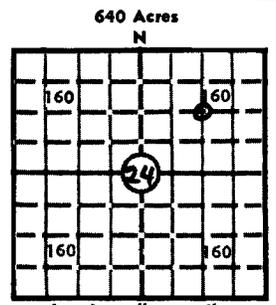
State Geological Survey
WICHITA, BRANCH

IMPORTANT
Kans. Geo. Survey request
samples on this well.

KANSAS DRILLERS LOG

S. 24 T. 21 R. 18 W
Loc. C NE
County Pawnee

API No. 15 — 145 — 20,367
County Number



Operator
Northern Natural Gas Company

Address
Post Office Box 35288, Tulsa, Oklahoma 74135

Well No. #1-24 Lease Name Beer

Footage Location
1320 feet from (N) ~~XX~~ line 1320 feet from (E) ~~XX~~ line

Principal Contractor Emphasis Oil Operations Geologist Charles W. Hickok

Spud Date March 1, 1975 Total Depth 2160 P.B.T.D. 2100

Date Completed March 25, 1975 Oil Purchaser Gas well

Locate well correctly
Elev.: Gr. 2091
DF _____ KB 2096

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	839	50-50 Poz. Common	200 150	3% CaCl. 3% CaCl.
Production	7-7/8"	4-1/2"	10.78	2159	50-50 Poz.	125	18% Salt

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			2	Jet DP	2112-2120) squeezed 2135-2147) off
TUBING RECORD					
Size <u>2-3/8"</u>	Setting depth <u>2090</u>	Packer set at <u>None</u>	2	Jet DP	2081 - 2087 2063 - 2073

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized 750 Gal. Gas well acid (HCL with alcohol)	2063-2087
Acidized 3000 Gal. Gas well acid	" "

INITIAL PRODUCTION

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

RATE OF PRODUCTION PER 24 HOURS	Oil <u>-</u> bbls.	Gas <u>107</u> MCF	Water <u>42.3</u> bbls.	Gas-oil ratio <u>-</u> CFPB
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Disposition of gas (vented, used on lease or sold) Shut-in, wait on pipeline Producing interval(s) 2063-73, 2081-87

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

erator

Northern Natural Gas Company

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

Well No. 1-24	Lease Name Beer	Gas
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S 24 T 21 S R 18 ^{RX}_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	1102	1128		
Dolomite	2058	2090	Herington-Krider	
Dolomite	2110	2147	Winfield	

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

Date Received	<i>Charles W. Hitchcock</i>
	Signature
	Production Superintendent
	Title
	December 2, 1975
	Date

SSL118