

KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request
samples on this well.API No. 15 — 145 — 20,366
County Number

Operator

Northern Natural Gas Company

Address

Post Office Box 35288, Tulsa, Oklahoma 74135

Well No.

#1-12

Lease Name

Dipman

Footage Location

1320

feet from (N) (S) line

1320

feet from (E) (W) line

Principal Contractor

Emphasis Oil Operators

Geologist

Charles W. Hickok

Spud Date

February 25, 1975

Total Depth

2148

P.B.T.D.

2140

Date Completed

March 5, 1975

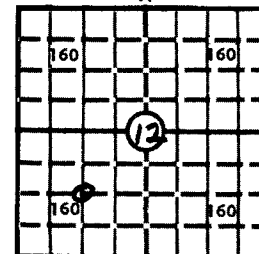
Oil Purchaser

Dry Hole

S. 12 T. 21 R. 18 W

Loc. C SW

County Pawnee

640 Acres
N

Locate well correctly

Elev.: Gr. 2081

DF KB 2086

CASING RECORD

Report of oil 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	824	50-50 Poz. Common	200 150	3% CaCl. 3% CaCl.
Production	7-7/8"	4-1/2"	10.78	2149	50-50 Poz.	125	18% Salt

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None					

TUBING RECORD

Size	Setting depth	Packer set at			
None			2	Jet DP	2064-2076
			2	Jet DP	2078-2096

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)	2064-2096

INITIAL PRODUCTION

Date of first production Dry Hole	Producing method (flowing, pumping, gas lift, etc.) —				
RATE OF PRODUCTION PER 24 HOURS	Oil — bbls.	Gas — MCF	Water — bbls.	Gas-oil ratio —	CFPB
Disposition of gas (vented, used on lease or sold) —			Producing interval(s) —		

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.	#1-12	Lease Name	Dipman	Dry Hole	
S <u>12</u> T <u>21</u> S <u>R</u> <u>8</u> <u>XX</u> 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		1116	1140	Herington-Krider	
Dolomite		2045	2096		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.					
Date Received	<div>Charles W. Hirsch</div> <div>Signature</div> <div>Production Superintendent</div> <div>December 1, 1975</div> <div>Title</div> <div>Date</div>				

L2L118