

35-19-8w

KANSAS DRILLERS LOG State Geological Survey

WICHITA, BRANCH

API No. 15 — 159 — 06260
County Number

Operator

NORTHERN NATURAL GAS COMPANY

Address

P.O. Box 88 LYONS, KANSAS 67554

Well No.

35-02

Lease Name

PULLIAM

Footage Location

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

Principal Contractor

GRAVES DRILLING CO.

Geologist

Spud Date

10-28-74

Total Depth

3546

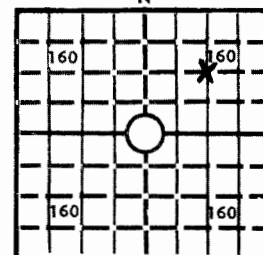
P.B.T.D.

3502

Date Completed

3-21-75

Oil Purchaser

N/AS. 35 T. 19 R. 8Loc. 1320' W of EL. 1320 S of NLCounty RICE640 Acres
N

Locate well correctly

Elev.: Gr. 1726'DF 1736' KB 1736'

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
<u>SURFACE</u>				<u>203</u>		<u>175</u>	
<u>PRODUCTION</u>	<u>7 7/8"</u>	<u>5 1/2"</u>	<u>15.5</u>	<u>3502</u>	<u>Premix + Common</u>	<u>990</u>	<u>18% NACL</u>

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			<u>2</u>	<u>.5" JET</u>	<u>3301-3321'</u>
TUBING RECORD			<u>2</u>	<u>.5" JET</u>	<u>3331-3351'</u>
Size	Setting depth	Packer set at			
<u>2 7/8"</u>	<u>3283'</u>	<u>3274'</u>			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
<u>1400 gal. 15% HCL w/2 SEALER BALLS/DBL.</u>	<u>3301-3321'</u> <u>3331-3351'</u>

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)		
GAS STORAGE WELL				
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)	

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

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

STORAGE WELL (GAS)

Well No.

35-02

Lease Name

PULLIAM

S. 35 T. 19 R. 8 E

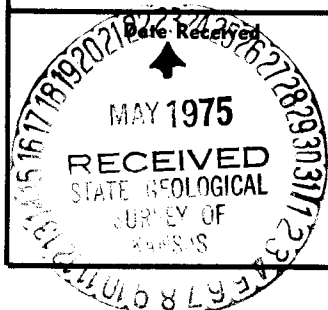
WELL LOG

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
HUTCHINSON SALT	790	1018	GR-N	0-8497'
CHASE GROUP	1187	1506	DENSITY	200-3542'
COUNCIL GROVE GROUP	1531	1784		
TARKIO Lm.	2056		VELOCITY	300-3540'
HOWARD Lm.	2281			
HEEBNER SH.	2666			
LANISING/K.C. GROUP	2833		MICRO-SEISMOGRAM	100-3547'
BASAL PENN. SH+CONG.	3161			
VIOLA	3188			
SIMPSON GROUP	3200			
ARBUCKLE	3247			

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



Gary D. Wilson
Signature
Project Engineer
Title
4-15-75
Date