

A BRANCH

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

**KANSAS DRILLERS LOG**

S. 18 T. 21 R. 17 W

API No. 15 — 145 — 20,363  
 County Number

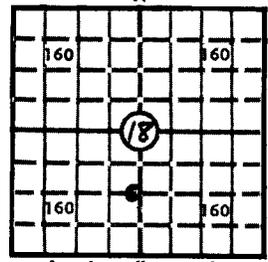
Loc. C S2

Operator  
Northern Natural Gas Company

County Pawnee

Address  
Post Office Box 35288, Tulsa, Oklahoma 74135

640 Acres  
 N



APR 07 1977

Well No. #1-18 Lease Name Prusa

Footage Location  
1320 feet from (N) (S) line 2590 feet from (E) (W) line

Principal Contractor Emphasis Oil Operations Geologist Bill Little

Spud Date January 29, 1975 Total Depth 2145 P.B.T.D. 2139

Elev.: Gr. 2075

Date Completed February 26, 1975 Oil Purchaser Gas Well

DF \_\_\_\_\_ KB 2080

**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	837	50-50 Poz. Common	200 175	3% CaCl 2% Gel. 3% CaCl
Production	7-7/8"	4-1/2"	10.78	2144	50-50 Poz.	125	18% Salt & CFR

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			2	Jet DP	2090-2098
<b>TUBING RECORD</b>			2	Jet DP	2110-2126
			2	Jet DP	2042-2050
Size <u>2-3/8"</u>	Setting depth <u>2137</u>	Packer set at <u>None</u>	2	Jet DP	2061-2068

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

Amount and kind of material used	Depth interval treated
Acidize w/750 Gal. Gas Well Acid (HCL with Alcohol)	2090-2126
Acidize w/750 Gal. Gas Well Acid	2042-2068

**INITIAL PRODUCTION**

Date of first production <u>Shut-in - wait on pipeline</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Flow on test</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>-</u> Gas <u>248</u> Water <u>Mist</u> Gas-oil ratio <u>-</u>
Disposition of gas (vented, used on lease or sold) <u>Shut-in, wait on pipeline</u>	Producing interval(s) <u>As perforated above</u>

**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 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 644.

operator

Northern Natural Gas Company

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

Well No. 1-18 Lease Name Prusa Gas

S 18 T 21 S R 17 EX 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	1083	1120		
Dolomite	2035	2086	Herington - Krider	
Dolomite	2086	2145	Winfield	
DST #1 Open tool w/strong blow, gas to surface in 7 min. Gas Rate 211 MCF/day. Tool open 60 min. closed in 60 min. Reopened 120 min. Gas Rate 300 MCF/day. Closed in 120 min. Recov. 221 ft. very thin drlg. mud. Pressures: IHH - 1169 psi IF - 110 " FF - 146 " ICIP - 621 " IF - 146 " FF - 183 " FCIP - 603 " FHH - 1123 "	2008	2145		

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

Date Received

*Charles W. Hinkel*  
Signature

Production Superintendent

Title

December 1, 1975

Date

311632