

KANSAS DRILLERS LOG

API No. 15 — 033 — 20,233
County Number

Operator

Northern Natural Gas Co.

Address

P. O. Box 35288 Tulsa, Oklahoma 74135

Well No.

#1-17

Lease Name

Schrauner

Footage Location

1320 feet from (N) (S) line 1320

feet from (E) (W) line

Principal Contractor

Rine Drilling Company

Geologist

Spud Date

12/15/77

Total Depth

7640

P.B.T.D.

Date Completed

1/16/78

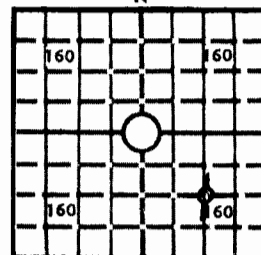
Oil Purchaser

S. 17 T. 33 R. 20 E W

Loc. A C SE

County Comanche

640 Acres
N



Locate well correctly

Elev.: Gr. 1819

DF KB 1831

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"	24.00	642	HLC Comm	75 200	3% CaCl ₂
					Topped out w/25 sx common & 100 sx HLC		

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

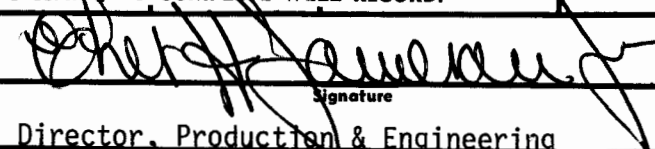
Date of first production	Producing method (flowing, pumping, gas lift, etc.)				
Dry Hole					
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	bbis.	MCF	bbis.		
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		

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

Operator

Northern Natural Gas Company

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

Well No. 1-17	Lease Name Shrauner	Dry Hole			
S <u>17</u> T <u>33</u> R <u>20</u> E <u>W</u>					
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	
Ran Schlumberger DIL & FDC/CNL			Herington-Krider	2349	
			Winfield	2420	
			Base Heebner Shale	4189	
			Lansing-K.C.	4400	
			Base Lansing-Kansas City	4741	
			Marmaton	4875	
			Cherokee	5061	
			Morrow (Nt. (No Morrow)	5159	
			Mississippian	5170	
			Cowley Facies	5871	
			Viola	6302	
			1st Simpson	6518	
			2nd Simpson	6626	
			Arbuckle	6637	
			Reagan	7588	
	USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
	Date Received	 Signature			
	Director, Production & Engineering Title				
	January 23, 1978 Date				

SHRAUNER #1

1320' SL & 1320' EL
Section 17-33S-20W
Comanche County, Kansas

L O G

Surface
Red bed

0' - 70'
70' - 805'

Ran 8 JTS 8 5/8" csg set
@ 642' - cmt w/75sx light
& 225 sx common, taping
100 sx lt. 3% c.c. 1/4 #
floreal.

TOTCO - 3/4" @ 2179'

Anhydrite
Dolomite, lime & shale
Lime & shale

805' - 2170'
2170' - 2405'
2405'

TOTCO - 3/4" @ 3733' - 1"
@ 4189' - 3/4" @ 5094P&A.
cmt. thru open end D.P. as
follows:

40 sx @ 600'

14 sx from 40 to - 3'

5 sx in R.H.

5 sx in M.H.

Will cut off 3' below G.L.

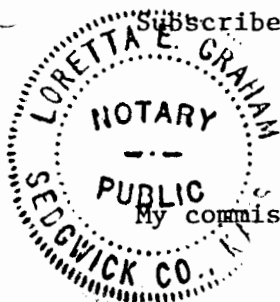
Kansas State Plugger, Bill Owens,
Pratt, Kansas

STATE OF KANSAS)
SEDGWICK COUNTY) ss

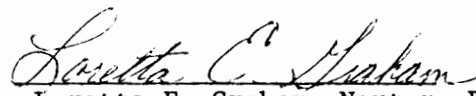
I, E. J. Rine, do hereby certify that the above is a true and accurate log of
the Schrauner #1, located 1320 SL & 1320' EL, Section 17-33S-20W, Comanche
County, Kansas.


E. J. Rine, President

Subscribed and sworn to before me this 19th day of January, 1978.



My commission Expires: December 20, 1980


Loretta E. Graham, Notary Public