

16-27-10W

State Geological Survey
WICHITA BRANCH

This form shall be filed in duplicate with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within ten days after the completion of the well, regardless of how the well was completed.

Attach separate letter of request if the information is to be held confidential. If confidential, only file one copy. Information on side one will be of public record and side two will then be held confidential. OBSERVATION

Circle one: Oil, Gas, Dry, SWD, OWWO, Injection. Type and complete ALL sections. Applications must be filed for dual completion, commingling, SWD and injection, T.A.

Attach wireline logs (i.e. electrical log, sonic log, gamma ray neutron log, etc.). KCC # (316) 263-3238. (Rules 82-2-105 & 82-2-125)

OPERATOR NORTHERN NATURAL GAS COMPANY

API NO. 15-095-21325

ADDRESS Box 178

COUNTY KINGMAN

CUNNINGHAM KANSAS 67035

FIELD CUNNINGHAM

**CONTACT PERSON BEN HORSCH

PROD. FORMATION VIOLA

PHONE 316-257-5146

LEASE PATSY SHEPHERD

BUYER

WELL NO. 16-32D

ADDRESS

WELL LOCATION SEE BELOW

DRILLING CONTRACTOR SWEETMAN DRILLING COMPANY

2200 Ft. from SOUTH Line and

ADDRESS ONE MAIN PLACE

100 Ft. from EAST Line of

WICHITA, KANSAS 67202

the 16 SEC. 27 TWP. 10 RGE. WEST

WELL PLAT

KCC
KGS
(Office Use)

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 05 1983

CONSERVATION DIVISION
Wichita, Kansas

PLUGGING CONTRACTOR

ADDRESS

TOTAL DEPTH 4585 Ft. KB PBD

SPUD DATE 3-28-83 DATE COMPLETED 4-12-83

DEEV: GR 1754 DF 1766 KB 12 FT.

DRILLED WITH (CABLE) (ROTARY) (AIR) TOOLS

Amount of surface pipe set and cemented 1450.35' KB . DV Tool Used? YES

AFFIDAVIT

STATE OF Kansas, COUNTY OF Kingman SS, I,

James D. Hong OF LAWFUL AGE, BEING FIRST DULY SWORN UPON HIS OATH,

DEPOSES THAT HE IS Paul B. Howell (FOR) (OF) Northern Natural Gas Co.

OPERATOR OF THE Patsy Shepherd LEASE, AND IS DULY AUTHORIZED TO MAKE

THIS AFFIDAVIT FOR AND ON THE BEHALF OF SAID OPERATOR, THAT WELL NO. 16-32D ON

SAID LEASE HAS BEEN COMPLETED AS OF THE 12th DAY OF April 1983

SIDE TWO

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
WELL 16-32-D	MEAS.	TRUE	TRUE VERT.	
	DEPTH (BK8)	VERT. DEPTH	ELEV./SS	16-27-10w
Hutchinson Salt	1027	1027	+739	
Topeka Lm.	3065	3010	-1244	
Heebner Sh.	3450	3356	-1590	
Lansing / Kansas City	3651	3536	-1770	
Pleasanton / Marmaton	4033	3876	-2110	
Mississippian	4201	4026	-2260	
Kinderhook	4281	4097	-2332	
Viola	4504	4299	-2533	
				NO CORES NO DST'S LOGS GR-N SONIC DENSITY I.E.S. BOND

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 GAL. 15% HCL.	4506' TO 4536'

Report of all strings set — surface, intermediate, production, etc. CASING RECORD (New) or (Used)

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
CONDUCTOR PIPE	17 1/4"	13 3/8"	48	195' KB	Common	200	3% C.C. 1/4 LB/SK Flow SEAL.
SURFACE PIPE	12 1/4"	8 5/8"	24	1450' KB	50-50 Poz.	775	3% C.C. w/ 1/4 LB/SK Flow SEAL
PRODUCTION STRING	7 7/8"	5 1/2"	15.5	4580.62 123	LITE	875	10 LB GILSONITE, 6% HALI 9.18% SALT, .75% CFR-2 6.5% GEL

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4 SHOTS / FT.		4506 TO 4536

TUBING RECORD

Size	Setting depth	Packer set at