

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

API No. 15 — 159 — 20,612
County Number

S. 1 T. 20 R. 8 W. X
Loc. 700'EWL + 80'NSL
County RICE

Operator
NORTHERN NATURAL GAS COMPANY

Address
Box 88 Lyons, KS. 67554

Well No. OB 1-01 Lease Name KIMBLE

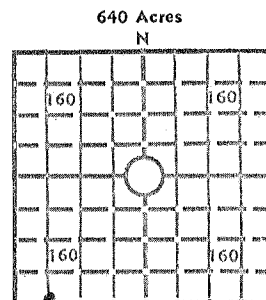
Footage Location
80 feet from (S) line 700 feet from (W) line

Principal Contractor
STERLING DRILLING Co.

Geologist

Spud Date 7-9-76 Total Depth 3708 P.B.T.D. 3680

Date Completed 7-30-76 Oil Purchaser



Elev.: Gr. 1709

DF 1722 KB 1722

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"	23	1077'	50-50 p02 mix	500	3% CC
PRODUCTION	7 7/8"	5 1/2"	15.5	3707'	50-50 p02 mix	750	18% SALT IN 250 kgs

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	DPJET	3458 - 72

Size	Setting depth	Packer set at
2 7/8"	3446	3437

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gal 15% HCL	3458 - 72

INITIAL PRODUCTION

Date of first production <u>GAS STORAGE WELL</u>	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.

after

NORTHERN NATURAL GAS CO.

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

Well No.

OB 1-01

Lease Name

KIMPIE

GAS STORAGE WELL

S 1 T 20 R 8 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
			GR-N	0 - 3679
			DENSITY	1078 - 370'
			SONIC	1077 - 370'
			FF/SS	30 - 370'
			IES	2850 - 370
			DIP	2850 - 370
HUTCHINSON SALT	756	1015		
CHASE GROUP	1198			
COUNCIL GROVE GROUP	1544			
TARKIO LM.	2081			
HOWARD LM.	2311			
HEEBNER SH.	2704			
LANSING / KC GROUP	2880			
BASAL PENN. Sh. & Cong.	3222			
SIMPSON GROUP	3396			
ARBuckle Dolomite Group	3454			

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

Date Received

Gary D. Wilson

Signature

Project Engineer

Title

8-25-76

Date