

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

**WICHITA BRANCH
KANSAS DRILLERS LOG**

S. 28 T. 10 R. 25 **W**

Loc. SW NE SW

County Graham

API No. 15 — 065 — 21,058
County Number

Operator
Moble C. Hoover

Address
Suite 302 NBC Plaza El Dorado, Arkansas 71730

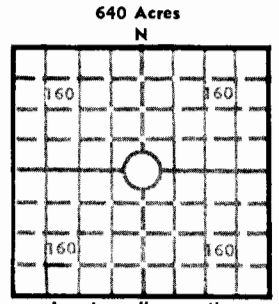
Well No. #1 Lease Name Kenneth Knoll

Footage Location
1650 feet from (N) (S) line 1650 feet from (E) (W) line SW/4

Principal Contractor Abercrombie Drilling, Inc. Geologist Orlin R. Phelps

Spud Date November 9, 1978 Total Depth 4090 P.B.T.D.

Date Completed November 15, 1978 Oil Purchaser None



Locate well correctly
Elev.: Gr. 2501

DF 2503 KB 2506

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	28	255	Common	190	3% CCL 2% gel

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.)			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	bbls.	MCF	bbls.		
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 MOBLE C. HOOVER		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: DRY HOLE
Well No. 1 L	Lease Name Kenneth Knoll	
S <u>28</u> T <u>10</u> R <u>25</u> X W		

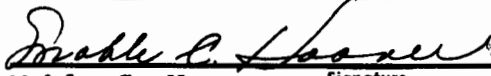
WELL LOG

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
Surface sand and clay	0	252	Petro-Log	
Sand and shale		1460	Anhydrite	2169
Shale		2170	Heebner	3811
Anhydrite		2210	Toronto	3835
Shale		3084	Lansing	3849
Shale and lime		3968	B. Kansas C.	4080
Lime, Total Depth		4090	TD	4087

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

Date Received	 Moble C. Hoover Signature
	Title
	January 25, 1980 Date

1HL8L

OPERATOR: Moble C. Hoover
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: Kenneth Knoll #1
 LOCATION: SW NE SW, Section 28-10S-25W
 Graham County, Kansas
 SPUD DATE: November 9, 1978
 COMPLETION DATE: November 15, 1978

0	252	Surface Sand & Clay
252	1460	Sand & Shale
1460	2170	Shale
2170	2210	Anhydrite
2210	3084	Shale
3084	3468	Shale & Lime
3468	3968	Lime & Shale
3968	4090	Lime
	4090	Rotary Total Depth

Spud hole at 3:00 p.m., November 9, 1978. Drilled 257' of 12 1/4" hole. Ran 6 joints of 8 5/8" - 28# casing. (Tally 248') Set at 255' K.B. Cemented with 190 sacks of common cement, 3% Ca.Cl., 2% gel. Cement did circulate. Plug was down at 8:30 p.m., November 9, 1978.

T.D. 4090'. Set 1st plug at 1050' with 70 sacks, 2nd plug at 240' with 20 sacks, 3rd plug at 40' solid bridge with 10 sacks, rathole with 2 sacks. Cemented with 50/50 posmix, 6% gel. Plug was down at 8:30 p.m., November 15, 1978.

SAMPLE TOPS:

Anhydrite 2170'
 B/Anhydrite 2210'

STATE OF KANSAS)
) ss
 COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc. does hereby state that the above and foregoing is a true and correct copy of the log of the Kenneth Knoll #1, SW NE SW, Section 28-10S-25W, Graham County, Kansas.

ABERCROMBIE DRILLING, INC.

BY Jack L. Partridge
 Jack L. Partridge
 Assistant Secretary-Treasurer