

○ State Geological Survey ○
WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 28 T. 32 R. 13 ^{1/4}_W

API No. 15 — 007 — 20,254
County Number

Loc. C NE SW

County Barber

Operator
Kedco Management Corp.

Address 816 Union Center
Wichita, Kansas 67202

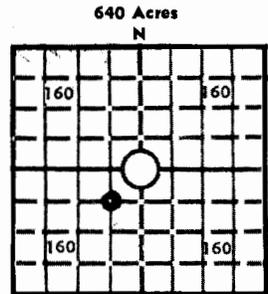
Well No. #1 Lease Name Hopkins

Footage Location 1860' FSL and 2190' FWL
feet from (N) (S) line feet from (E) (W) line

Principal Contractor Graves Drilling Co. Geologist R. B. Gebhart, Jr.

Spud Date 3-25-74 Total Depth 3920' P.B.T.D. -

Date Completed 4-2-74 Oil Purchaser -



Elev.: Gr. 1649'

DF 1652' KB 1654'

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 casing		8 5/8"	28#	321		250	2% gel, 3% CC

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	
	bbls.	MCF	bbls.	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.

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

Operator **Kedco Management Corporation**

Well No. **1** Lease Name **Hopkins** Dry Hole

S **28** T **32S** R **14W** E

WELL LOG

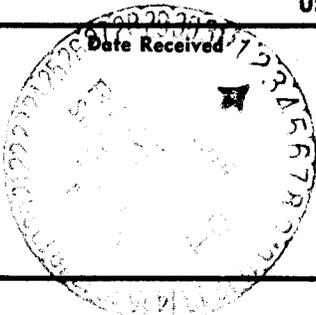
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Red Bed	0	764	Elgin Zone	3615 (-1961)
Red Bed & Shale	764	1190	Heebner	3717 (-2063)
Shale	1190	1360	Toronto	3735 (-2081)
Shale and Shells	1360	1500	Douglas Shale	3753 (-2099)
Shale and Lime	1500	1740	Upper Douglas Sand	3773 (-2119)
Lime and Shale	1740	1920	Lower Douglas Sand	3866 (-2212)
Lime	1920	2239		
Lime and Shale	2239	3131	Lansing	3906 (-2252)
Shale and Lime	3131	3450	(NO ELECTRIC LOG)	
Lime and Shale	3450	3500		
Shale and Lime	3500	3677		
Lime and Shale	3677	3869		
Sand	3869	3920		
Rotary TOTAL DEPTH		3920		

DST #1: 3856-3869-90"; good blow increasing to strong blow, no gas; rec. 20' drlg. mud IFP 3-8#, FFP 8-16#:60", ISIP 331#-45", FSIP 504#-60#drilled 3' to 3872.
 DST #2-3856-3873/2hrs, 30", strong blow gas to surface in 40 min. GA 2760 CFG 45" 2760 CFG-55"; 3920 CFG-65"; 3920 CFG-75"; 3920 CFG-85"; 4840 CFG-95"; 4840 CFG-105" 5640 CFG-125"; 5640 CFG-135"; 5640 CFG-145". Rec. 10' SGCM, 60' wtry. mud; 120' muddy water; IFP-16-47; 30"; FFP 47-95 2 hr; ISIP 676#-45"; FSIP 676#-2 hours.

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



H. Marvin Douglass
 H. MARVIN DOUGLASS Signature
 Chief Geologist
 Title
 April 16, 1974
 Date

ROTARY DRILLERS' LOG

API # 15-007-20, 254

28-32-13W

OPERATOR: Kedco Drilling Partnership 1973-A DRILLING COMMENCED: March 25, 197
816 Union Center
Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: April 2, 197
505 Union Center
Wichita, Kansas 67202

CASING-RECORD: 9 Jts. 321' 8-5/8" cemented with 250 sacks. LOCATION: Hopkins No. 1
C NE SW
Section 28-32S-13W
Barber County, Kansas
ELEVATION: 1654 KB

SMP TOPS		0 - 764	Red Bed
		764 - 1190	Red bed & shale
ELG ZN	3615	1190 - 1360	Shale
HEEB	3717	1360 - 1500	Shale & shells
TOR	3735	1500 - 1740	Shale & lime
DOUG SH	3753	1740 - 1920	Lime & shale
U CONG SD	3773	1920 - 2239	Lime
L DOUG SD	3866	2239 - 3131	Lime & shale
IANS	3906	3131 - 3450	Shale & lime
TD	3920	3450 - 3500	Lime & shale
		3500 - 3677	Shale & lime
		3677 - 3869	Lime & shale
		3869 - 3920	Sand
		3920	Rotary Total Depth



I hereby certify the foregoing statements to be true and correct to the best of my knowledge.

GRAVES DRILLING CO., INC.

By John Graves President

STATE OF KANSAS)
) ss.
WICK COUNTY)