

KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH

S. 19 T. 34S R. 12 E

Loc. NE SW SE NW

API No. 15 — 019 — 20,450
County Number

County Chautauqua

Operator
Doric Petroleum, Inc.

Address
3000 Liberty Tower, Oklahoma City, Oklahoma

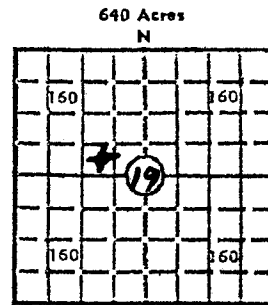
Well No. 45 Lease Name Hartzell

Footage Location
feet from (N) (S) line feet from (E) (W) line

Principal Contractor Geologist
B & N Drilling

Spud Date Total Depth P.B.T.D.
10/26/74 1138

Date Completed Oil Purchaser
10/29/74



Elev.: Gr. Unk

DF Unk KB Unk

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"	8-5/8"		21		None	

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.

erator

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

Doric Petroleum, Inc.

Well No.

45

Lease Name

Hartzell

S 19 T 34 R 12 E
WPC

Dry Hole

WELL LOG

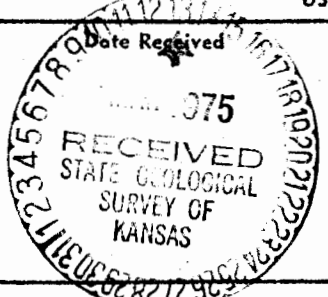
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
clay	0	15		
shale	15	61		
blue shale	61	167		
lime	167	169		
shale	169	177		
lime & shale	177	182		
shale	182	192		
lime	192	196		
shale	196	215		
sandy shale	215	221		
shale	221	251		
lime	251	258		
shale	258	290		
shale/lime	290	295		
shale	295	315		
lime	315	317		
shale	317	322		
lime	322	340		
shale	340	370		
lime	370	371		
sandy shale	371	415		
shale	415	428		
lime	428	429		
shale	429	476		
lime	476	482		
shale	482	492		
lime	492	509		
shale	509	545		
lime	545	598		
shale	598	786		
lime	786	791		
shale	791	807		
shale & lime	807	815		
shale	815	863		
lime	863	869	shale B	1098 - 1106
sandy shale	869	883	lime	1106 - 1125
lime	883	888	Core	1125 - 1138
shale	888	906		
lime	906	915		
shale	915	1097		
lime	1097	1098		

NO LOGS RUN

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



Robert O. Rogers

Signature

V. P.

Title

1-30-75

Date