

State Geological Survey
WICHITA, BRANCH

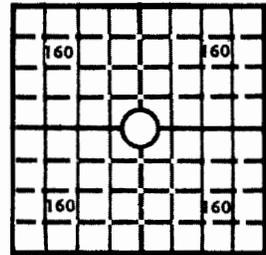
KANSAS DRILLERS LOG

S. 19 T. 34 R. 12 E

Loc. E2 NE SE SW

County Chautauqua

640 Acres
N



Elev.: Gr. Unk

DF Unk KB Unk

API No. 15 — 019 — 20,497
County Number

Operator
Doric Petroleum

Address
3000 Liberty Tower Oklahoma City, Oklahoma

Well No. #46 Lease Name R. M. Hartzell

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

Principal Contractor B & N Drilling Co. Geologist Bryson

Spud Date 7-4-75 Total Depth 1060 P.B.T.D. 1050

Date Completed 7-22-75 Oil Purchaser Koch

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	9"	7"		30'	None		
Prod	6-1/4"	4-1/2		1050'	Reg	115	3% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
TUBING RECORD			2	1/2" Jet	1004-1020'
Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
9000 gals gelled SW plus 7500 lbs sand	1004-1020'
preceded by 250 gals 15% HCL acid	

INITIAL PRODUCTION

Date of first production 7-22-75	Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 3 bbls.	Gas - MCF	Water 30 bbls.	Gas-oil ratio - CFPB
Disposition of gas (vented, used on lease or sold) Vented			Producing interval(s) 1004-1020'	

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
 Doric Petroleum, Inc. 909 N Virginia, Oklahoma City, Okla 73106

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

Well No. #46 Lease Name R. M. Hartzell

OIL

S 19 T 34 R 12 E 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
Top Soil	0	7		
Clay	7	20		
Sand	20	25		
Shale	25	77		
Sand & Shale	77	150		
Sand & Shale	150	384		
Hard Sand	384	390		
Shale	390	437		
Hard Sand	437	486		
Shale	486	675		
Sand	675	767		
Lime	767	773		
Shale	773	787		
Lime	787	793		
Shale	793	987		
Lime	987	989		
Shale	989	993		
Lime	993	1002		
Sand(Cored)	1002	1023 (Lost Core)		
Shale	1023	1060 TD		

Ran GR-N Log
 from 800' -TD.

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

Date Received



 Signature
 Robert O. Rogers - Vice-President
 Title
 September 26, 1975
 Date