

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

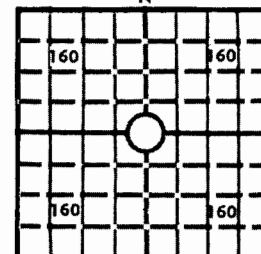
API No. 15 — 083 — 20,337
County Number

S. 10 T. 23 R. 23 ^NW

Loc. NE SE

County Hodgeman

640 Acres
N



Locate well correctly

Elev.: Gr. 2317

DF 2322

Operator

Thunderbird Drilling, Inc.

Address Box 18407

Wichita, Kansas

Well No.

#1

Lease Name

Hubin

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Dunn & Gardner

Geologist

Geo. McCaleb

Spud Date

11/29/73

Total Depth

4582

P.B.T.D.

Date Completed

Oil Purchaser

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
		8 5/8"		600	common	375	

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	5/8	
TUBING RECORD					
Size	Setting depth	Packer set at			

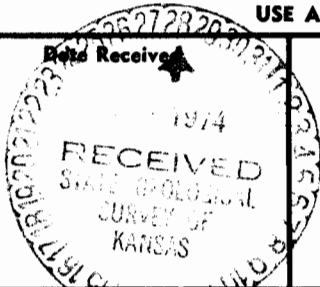
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

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.

Operator <div style="text-align: center; font-weight: bold;">Thunderbird Drilling, Inc.</div>		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. #1	Lease Name Hubin		
s <u>10</u> T <u>23</u> R <u>23</u> ^K _W			
WELL LOG <small>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.</small>		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
DST #1, 4306-4400/90", Rec. 10' mud FP 87-90;BHP 147-95/45" DST #2, 4524-4570/90", Rec. 90'SOCM FP 69-87;BHP 848-363/45" DST #3, 4570-4582/90", Rec. 180' gas, 240' sl. mdy gassy oil; FP 87-112, BHP 1367-1298/45" RTD 4582; Log, set 5 1/2" @ 4567/100 SX. 1-15-74; Dump 500 gal M. A. 1-17 Dump 1000 gal 28% 3/4 Pump 45 BOPD			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
<div style="text-align: center;">  </div>	<div style="border-bottom: 1px solid black; margin-bottom: 5px;">Signature</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Title</div> <div style="border-bottom: 1px solid black;">Date</div>		