

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

API No. 15 — 083 — 20,354
County Number

Operator

Thunderbird Drilling, Inc.

Address P. O. Box 18407 Wichita, Kansas

Well No.

#2

Lease Name

Hubin

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Geologist

Frosty Cox

Spud Date

3/14

Total Depth

4582

P.B.T.D.

Date Completed

4/19

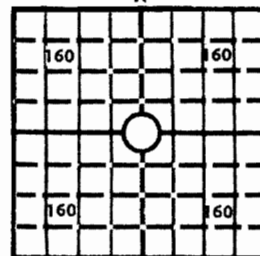
Oil Purchaser

S. 10 T. 23 R. 23 W

Loc. SE SE

County Hodgeman

640 Acres
N



Elev.: Gr.

DF KB 2310

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"		606'	common	290	

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 Thunderbird Drilling, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. #2	Lease Name Hubin		
S 10 T 23 R 23 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
DST #1 4293-4390/60", Rec. 51 mud FP 87-87; BHP 164-121/30"			
DST #2 4511-4560/60", Rec. 5' OSM FP 43-52; BHP 173-69/30"			
DST #3, 4560-4572/60", Rec. 30' mud FP 51-61; BHP 588-580/30"			
DST #4, 4572-4582/90", Rec. 120' GIP 1140' cl gsy oil, FP 61 - 433; BHP 1228- 1021/45"			
3/23 Log & set 5 1/2" @ 4566' w/100 sx.			
Swb 3.5 BOPH/2hrs on the 27th Swb 2.63 BO 1st hr. " .87 BO 2nd hr. Dump 500 MA & loud hole			
3/29 Swb test 4 BO + 2 BW /hr. -7 hrs.			
4/12 1st 24 hr. pump test 70 BF - 30% wtr.			
4/19 Pump 33 BO + 50 BW / 24 hrs.			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
		Signature _____ Title _____ Date _____	

State Geological Survey
WICHITA, BRANCH

10-23-23W

DRILLERS' LOG

API # 15-083-10354

THUNDERBIRD DRILLING, INC.

No. 2 Hubin

C SE SE, Sec. 10-23S-23W

Hodgeman County, Kansas

Elev: 2310 K.B.

Commenced: 3-13-73

Completed: 3-23-74

Surface Casing: 598' of
8-5/8" cemented w/ 290 sx
of common cement, 2% Gel,
3% cc. 3-14-73

FORMATION

DEPTH

Surface Hole	0 - 606
Shale	606 - 825
Blaine Anhydrite	825 - 845
Shale, Red Bed, & Sand	845 - 1451
Stone Corral Anhy.	1451 - 1480
Shale	1480 - 2000
Shale & Lime	2000 - 2535
Lime & Shale	2535 - 3500
Shale & Lime	3500 - 3725
Lime & Shale	3725 - 3960
Lime	3960 - 4582 T.D.

I do hereby certify that the foregoing statements are true and correct to the best of my knowledge and belief.

D N B DRILLING, INC.

James L. Donelson
JAMES L. DONELSON

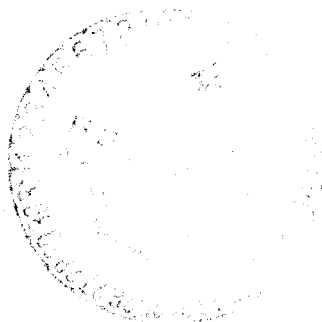
STATE OF KANSAS: ss:

Subscribed and sworn to before me, the undersigned, a Notary Public in and for said state, this 26th day of March, 1974.

My Commission Expires:
August 25, 1976

Ella Priess

Ella Priess, Notary Public



Ella Priess
STATE NOTARY PUBLIC
Sedgwick County, Kansas
My Com. Expires Aug. 25, 1976