

The Kansas Geological Survey needs samples from this well for research. If this well penetrates the PreCambrian, the Survey would like to borrow all the cuttings that contain crystalline samples. This is in addition to the samples normally sent to the State Geological Survey Well Sample Library. Samples on this well.

32-2-23w

K. G. S. LIBRARY

API No. 15 — 137 — 20,165
County Number
Operator Hummon Corp.
Address 400 One Main Place Wichita, Kansas 67202
Well No. #2 Lease Name Grunert
Footage Location 760 feet from (N) (S) line 610 feet from (E) (W) line
Principal Contractor Red Tiger Drilling Company Geologist Steve Miller
Spud Date 2/6/80 Total Depth 3602' P.B.T.D.
Date Completed 2/19/80 Oil Purchaser --

S. 32 T. 2 R. 23 W
Loc. 150' N/C SE SE
County Norton
640 Acres
N
160 160 160 160
32
Locate well correctly
Elev.: Gr. 2301
DF 2303 KB 2306

CASING RECORD

Report of oil 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 1/4"	8-5/8"	28#	292'	Common	180	3%cc 2% gel
		4 1/2"	9 1/2#	1733	Halliburton Lite	200	10# gilsonite persx
					60-40 Poz	125	18%salt, 2%gel, 3/4 of 1% CFR2.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
					1605-1624
TUBING RECORD					1586-1605
Size	Setting depth	Packer set at			
2"	1445.25	1448.70			

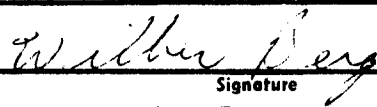
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

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 bbls. Gas MCF Water bbls. Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) Producing interval (s) 1586-1605

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 Hummon Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: SWDW	
Well No. #2	Lease Name Grunert		
S <u>32</u> T <u>2S</u> R <u>23</u> ^{EX} _W			
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
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.			
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
DST #1: 3373-3405' OP 30-45-30-60 Good blow thruout Rec. 120' slightly oil cut watery mud 520' muddy salt water Pressures not recorded DST #2: 3479-3522 OP 30-30-30-30 Weak blow died in 10 min. Rec. 5' drilling mud FP 43-43, SIP 53-53			<u>Elect. log</u> Heebner Toronto Lansing B/KC Arbuckle Reagan Granite Wash RTD 3602 LTD 3605
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	 Signature Wilber Berg Title 3-1-80 Date		

DRILLERS LOG

No. 2 Grunert

15-137-20165

32-2-23W

CASING RECORD: 8 5/8" @ 283' w/180 sx cement
4 1/2" @ 1,733' w/325 sx cement
TOTAL DEPTH: 3,602'

COMPANY: Hummon Oil Company
CONTRACTOR: Red Tiger Drilling Company
COMMENCED: February 6, 1980
COMPLETED: February 19, 1980

DESCRIPTION: 150' North of C SE/4 SE/4
Sec. 32-T2S-R23W
Norton County, Kansas
ELEVATION: 2,306' KB

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Shale Rock	0	40	
Rock	40	120	
Shale	120	1876	
Anhydrite	1876	1908	
Shale	1908	2280	
Shale w/Lime Streaks	2280	2505	
Shale & Lime	2505	3022	
Lime	3022	3602	
RTD			

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Gloria Fawcett
Gloria Fawcett

Subscribed and sworn to before me this 25th day of February, 1980.

Joyce A. Hagermann
Notary Public