

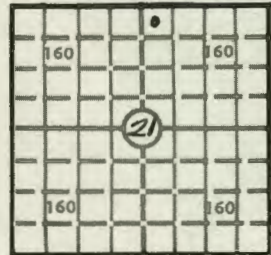
**KANSAS DRILLERS LOG**

S. 21 T. 16 R. 21 E W

Loc. NW NW NE

County Franklin

640 Acres  
N



Elev.: Gr. \_\_\_\_\_

DF \_\_\_\_\_ KB \_\_\_\_\_

API No. 15 — 059 — 20,681  
County Number

Operator  
Rader Oil Co.

Address  
Route #1 Eudora, Kansas 66025

Well No. # 1 Lease Name Helm

Footage Location  
220 feet from (N) line 5060 FSL: 2420 FGL 2,420 feet from (E) (W) line

Principal Contractor Kent Drilling Co. Geologist Dick Rader

Spud Date March 13, 1979 Total Depth 721 P.B.T.D. \_\_\_\_\_

Date Completed March 16, 1979 Oil Purchaser \_\_\_\_\_

**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	10	7	24	40	common	7	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.

Operator **Rader Oil Co.** DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: **Dry Hole**

Well No. **1** Lease Name **Helm**

**S 21 T 16 R 21 E**  
**WK**

**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
Soil & Clay	0	8		
Lime	8	20		
Shale	20	24		
Lime	24	34		
Shale	34	37		
Lime	37	57		
Shale	57	94		
Lime	94	110		
Shale	110	192		
Lime	192	214		
Shale	214	236		
Lime	236	241		
Shale	241	271		
Lime	271	278		
Shale	278	303		
Lime	303	327		
Shale	327	332		
Lime	332	355		
Shale	355	360		
Lime	360	364		
Shale	364	368		
Lime	368	372		
Shale	372	514		
Lime	514	527		
Shale	527	567		
Lime	567	574		
Shale	574	589		
Lime	589	592		
Shale & Shells	592	642		
Shale	642	648		
Sandy Shale	648	691	1st Squirrel	648-691
Shale	691	699		
Lime	699	700		
Sandy Shale	700	706	Lower Squirrel	700-706
Shale	706	721 TD		

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

Date Received	Signature
	Owner
	Title
	Date

May 14, 1979