

KANSAS DRILLERS LOG

API No. 15 — 059 — 20,268
County Number

Operator

Rader Oil Company

Address

R. R. #1 Eudora, Kansas 66025

Well No.

#20

Lease Name

McConnell

3345 FSL: 815 FEL-KCC

Footage Location

2,080

feet from (N) line

770

feet from (E) line

Principal Contractor

Kent Drilling Co.

Geologist

Dick Rader

Spud Date

August 9, 1976

Total Depth

745

P.B.T.D.

Date Completed

August 30, 1976

Oil Purchaser

Bluebird Oil Co.

S. 18 T. 16 R. 21 E
Loc. SW SE NE NW SE NE
County Franklin
640 Acres
N
160 160 160 160
18
Locate well correctly
Elev.: Gr.
DF KB

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	10	8	28	40	Common	10	
Production	6 1/4	4 1/2	11.0	724	Slt. sat. poz.	100	salt, pozmix, gel & flo-seal

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1	1/2" jet	680-87
TUBING RECORD					
Size	Setting depth	Packer set at			
2"	677				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
58 sx sand, 130 bbl. oil	680-87

INITIAL PRODUCTION

Date of first production Sept. 11, 1976		Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 10	Gas bbls.	Water MCF	1	Gas-oil ratio bbls.
Disposition of gas (vented, used on lease or sold)			Producing interval (s) 680-87		

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;">Rader Oil Co.</div>		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: <div style="text-align: center;">Oil</div>
Well No. <div style="text-align: center;">20</div>	Lease Name <div style="text-align: center;">McConnell</div>	
S <u>18</u> T <u>16</u> R <u>21</u> E <u>W</u>		

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	37		
Lime	37	63		
Shale	63	69		
Lime	69	77		
Shale	77	83		
Lime	83	100		
Shale	100	145		
Lime	145	175		
Shale	175	238		
Lime	238	262		
Shale	262	312		
Lime	312	320		
Shale	320	348		
Lime	348	370		
Shale	370	379		
Lime	379	404		
Shale	404	407		
Lime	407	412		
Shale	412	415		
Lime	415	419		
Shale	419	586		
Lime	586	596		
Shale	596	612		
Lime	612	622		
Shale	622	636		
Lime	636	641		
Shale	641	649		
Lime	649	653		
Shale	653	680		
Sand (Oil)	680	689	1st. Squirrel	680-89
Lime	689	690		
Shale & Shells	690	737		
Brkn. Sand	737	741	2nd. Squirrel	737-41
Shale	741	745 TD		

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

Date Received	<div style="text-align: center; margin-bottom: 10px;"> Signature </div> <div style="text-align: center; margin-bottom: 10px;"> Owner </div> <div style="text-align: center; margin-bottom: 10px;"> Title </div> <div style="text-align: center; margin-bottom: 10px;"> September 22, 1976 </div> <div style="text-align: center;"> Date </div>
---------------	--