

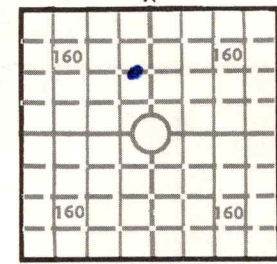
KANSAS STATE Geological Survey  
**DRILLERS LOG**  
 WICHITA, BRANCH

S. 25 T. 14 R. 15 <sup>X</sup> W

Loc. E2 E2 NW

County Russell

640 Acres  
N



Elev.: Gr. 1741'

DF 1743' KB 1746'

API No. 15 — 167 — 20,712  
 County Number

Operator  
 Lee Fisk Oil Operations

Address  
 1226 Krug Street, Box 581 Russell, Kansas 67665

Well No. #10 Lease Name Harbaugh

Footage Location  
 1320 feet from (N) line 330' feet from (E) line

Principal Contractor SHIELDS DRILLING, INC. Geologist R. P. Nixon

Spud Date 2-6-75 Total Depth 3145' P.B.T.D. 3075'

Date Completed 3-27-75 Oil Purchaser Phillips Pet. Co.

**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	12 1/4"	8 5/8"	24#	268'	Common	1755/6	9 units Quickset -
Production	7 7/8"	5 1/2"	14 1/2#	3144'	Common	1605xs	16 5xs Salt.

**LINER RECORD**

**PERFORATION RECORD**

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	Jet	2624'-28'-2798'-2802'
					2906'-12'-2927'-31'
					2941'-47'
					2984'-86'
					2990'-93'

**TUBING RECORD**

Size	Setting depth	Packer set at
2"	3069'	None

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated
15% Reg. Acid - 4500 Gals -	2906'-12' - 2927'-31'
20% Reg. acid. 3500 Gals -	2941'-47' - 2984'-86'
	2798'-2802' - 2624'-28'

**INITIAL PRODUCTION**

Date of first production 3-30-75	Producing method (flowing, pumping, gas lift, etc.) Pumping
RATE OF PRODUCTION PER 24 HOURS	Oil 8 bbls. Gas MCF 16 bbls. Gas-oil ratio 3.5 CFPB
Disposition of gas (vented, used on lease or sold) Vented	Producing interval (s) 24 Hrs.

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  
*Lee Fisk Oil Operations.*

Well No.  
*10*

Lease Name  
*Harbaugh*

S *25* T *145R* *15* W

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:  
*oil well*

**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
<i>Anhydrite (Ductless)</i>	<i>763'</i>			
<i>Grandhaven Limestone</i>	<i>2291'</i>			
<i>1st Tarkio Sand</i>	<i>2303'</i>	<i>2310'</i>		
<i>Lower Limestone</i>	<i>2325'</i>			
<i>2nd Tarkio Sand</i>	<i>2330'</i>	<i>2340'</i>		
<i>Tarkio Limestone</i>	<i>2365'</i>			
<i>3rd Tarkio Sand</i>	<i>2385'</i>	<i>2390'</i>		
<i>Dopeka Limestone</i>	<i>2423'</i>	<i>2840'</i>		
<i>Heebner Shale</i>	<i>2848'</i>			
<i>Toronto Limestone</i>	<i>2868'</i>	<i>2875'</i>		
<i>L-K.C.</i>	<i>2904'</i>	<i>3125'</i>		
<i>Gorham Sand</i>	<i>3143'</i>	<i>3152'</i>		
<i>Ratony T.D.</i>	<i>3145'</i>			

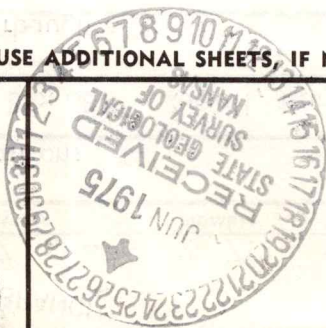
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

*Lee R. Fisk*  
Signature

*Owner*  
Title

*5-19-75*  
Date



*734128891011213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989900*