

samples are not available.

17-2-31W 1

State Geological Survey  
WICHITA BRANCH

George P. Stoepfelwerth, II

Petroleum Consultant

Member AIME & AAPG

GEOLOGICAL REPORT  
SDI et al #17-12 Fassler  
NW SW 17-2S-31W  
Rawlins Co., Kansas

CONTRACTOR: Stoepfelwerth Drilling, Inc.  
 COMMENCED: May 17, 1979  
 REACHED T.D.: May 25, 1979 4427 Drlr. 4429 Logger  
 COMPLETED: May 26, 1979 Plugged & Abandoned  
 ELEVATIONS: 2771 G.L. 2776 K.B. all measurements from K.B.  
 CASING: Used 28# 8 5/8" @ 133 ft. w/ 135 sx. 50-50 Pozmix 2% gel 3% CaCl.  
 LOGS: Petrolog IES from 4428' to 133', BHC Sonic from 4422' to 2550'  
 PLUGS: 70 sx. @ 1600', 20 sx. @ 130', 10 sx. @ 40'  
 SAMPLES: Were collected at 30 ft. intervals from 2000' to 3400' and at  
 10 ft. intervals from 3400' to T.D., 1 set to Kansas Survey.  
 These were typical of the area noted only for the paucity  
 of shows. Significant samples were:  
 3700-10: Trace show black tarry oil on clear to  
 white, tight conglomeritic limestone.  
 4360-70: Brown, fxl'n, tight dolomite  
 4420-30: White, mxln, dolomite w/ glauconite

DRILL STEM TESTS:

No zone worthy of testing was seen in the samples or on the logs.

FORMATION TOPS AND CORRELATIONS:

	this well	#1 Franke
Dakota	1524 (+1252)	(+1263)
Stone Coral	2574 (+202)	(+213)
Severy	3587 (-811)	(-804)
Oread	3717 (-941)	(-932)
Lansing	3766 (-990)	(-991)
B/KC	4054 (-1278)	(-1273)
Cherokee Sand	4273 (-1497)	(-1479)
Mississippian	4325 (-1549)	( - )
Arbuckle	4372 (-1596)	(-1570)

LOG CALCULATIONS:

The logs were manual digitized and machine computed using the following variables:

- 1) Humble formula (  $.62/\phi^2$  2.15) and our area experience of  $F=1/\phi^2$
- 2) Water resistivities were varied from 0.07 to .1.

In no case did any zone calculate to be interesting with the best being 4363 ft. at 16% porosity and 70% water.

RECOMMENDATIONS:

No shows of commercial value were seen in the samples or could be calculated from the log. My recommendation to plug and abandon was followed. I cannot recommend further action in the immediate area.

Original signed by  
G. P. Stoepfelwerth, II

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