

PL

State Geological Survey
WICHITA BRANCH

115-1165-20775
23-16-19W

Dup

CONTRACTOR'S WELL LOG

OPERATOR:	F & M Oil Company
CONTRACTOR:	Abercrombie Drilling, Inc.
WELL NAME:	LITTLER #1
LOCATION:	NW NW SE, Section 23-16S-19W Rush County, Kansas
SPUD DATE:	4-22-80
COMPLETION DATE:	4-29-80

0	40	Sand
40	680	Sand & Shale
680	1409	Shale
1409	1892	Shale & Red Bed
1892	2300	Sand & Shale
2300	2555	Shale & Lime
2555	3690	Lime & Shale
	3690	Rotary Total Depth

Spud at 3:00 a.m., 4-22-80. Drilled 327' of 12-1/4" hole. Ran 8 joints of 8-5/8" 28# used casing. (Tally 316.52') Set at 322.52'. Cemented with 200 sacks of common, 2% gel, 8% Ca.Cl. Cement by Sun Cement, did circ. Plug was down at 9:00 p.m., 4-22-80.

T.D. 3690'. Set 1st plug at 650' with 60 sacks, 2nd plug at 300' with 30 sacks, 3rd plug 40' solid bridge with 10 sacks, and rathole with 5 sacks. Job was complete at 7:30 a.m., 4-29-80.

STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)

Jack L. Partridge, Assistant Secretary-Treasurer of Abercrombie Drilling, Inc., does hereby state that the above and foregoing is a true and correct copy of the log of the LITTLER #1, NW NW SE, Section 23-16S-19W, Rush County, Kansas.

ABERCROMBIE DRILLING, INC.

BY: Jack L. Partridge
Jack L. Partridge, Asst. Sec.-Treas.

Subscribed and sworn to before me, a Notary Public, in and for the aforesaid county and state as of this 27th day of May, 1980.