

PZ

18-13-20W

State Geological Survey
MUSKOGEE COUNTY

CONTRACTOR'S WELL LOG

OPERATOR: Swanson-Thompson, Inc.
CONTRACTOR: Abercrombie Drilling, Inc.
WELL NAME: HERBERT #1
LOCATION: SE SW SE, Section 18-13S-20W
Ellis County, Kansas
SPUD DATE: 10-30-80
COMPLETION DATE: 11-05-80

0	1555	Sand & Shale
1555	1592	Anhydrite
1592	1811	Sand & Shale
1811	3965	Shale & Lime
	3965	Rotary Total Depth

Spud hole @ 7:00 p.m. 10-30-80. Drilled 248' of a 12-1/4" hole. Ran 6 joints of 8-5/8" 20# casing (tally 238.06') Set @ 244.56'. Cemented with 165 sx. of common, 2% gel, 3% c.c. Cement did circulate. Plug was down @ 1:15 a.m. 10-31-80.

T.D. 3965'. Ran 110 joints of 4-1/2" 9-1/2# casing (tally 3980.97') Set @ 3964'. 10 barrels salt flush. Cemented with 200 sx. of 60/40 posmix, 10% salt 2% gel. Plug was down @ 11:45 p.m. 11-05-80.

SAMPLE TOPS:

Anhydrite 1555'
Barianhydrite 1592'

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 HERBERT #1, SE SW SE, Section 18-13S-20W, Ellis County, Kansas.

ABERCROMBIE DRILLING, INC.

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