

4-3-236

State Geological Survey
WICHITA, BRANCH

CONTRACTOR'S WELL LOG

OPERATOR: Baird Oil Company, Inc.
 CONTRACTOR: Abercrombie Drilling, Inc.
 WELL NAME: DIRK #1
 LOCATION: 400' W & 400' N of NE SE,
 Sec. 4-3S-23W, Norton County, Kansas
 SPUD DATE: 09-23-80
 COMPLETION DATE: 10-01-80

| | | |
|------|------|--------------------|
| 0 | 1800 | Sand & Shale |
| 1800 | 3348 | Shale |
| 3348 | 3489 | Lime & Shale |
| 3489 | 3554 | Shale & Lime |
| 3554 | 3563 | Sand |
| | 3563 | Rotary Total Depth |

Spud hole @ 4:15 p.m. 09-23-80. Drilled 217' of a 12-1/4" hole. Ran 5 joints of 8-5/8" 20# casing (tally 209.11') Set @ 214' K.B. Cemented with 200 sx. common, 2% gel, 3% c.c. Cement did circulate. Plug was down @ 9:00 p.m. 09-23-80.

T.D. 3563' LTD 3560'. Set 1st plug @ 850' with 60 sx., 2nd plug @ 200' with 30 sx., 3rd plug @ 40' solid bridge with 10 sx., rathole with 5 sx., 50/50 posmix, 6% gel. Plug was down @ 7:30 p.m. 10-01-80.

SAMPLE TOPS:
 Anhydrite 1845'
 Anhydrite 1878'

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 DIRK #1, 400' W & 400' N of NE SE, Section 4-3S-23W, Norton County, Kansas.

ABERCROMBIE DRILLING, INC.