State Geological Survey
WICHITA BRANCH

15-065-21205
27-9-25W

CONTRACTOR'S WELL LOG

OPERATOR: Nickelson Oil Company
CONTRACTOR: Abercrombie Drilling, Inc.
WELL NAME: Spies "A" #1
LOCATION: SE/4, Section 27-9-25W
Graham County, Kansas

SPUD DATE: February 13, 1980
COMPLETION DATE: February 20, 1980

0	290	Top soil, sand and shale
290	600	Shale
600	2221	Sand and shale
2221	2395	Anhydrite and shale
2395	2935	Shale
2935	3210	Lime and shale
3210	3580	Lime
3580	3725	Lime and shale
3725	4145	Lime
	4145	Rotary Total Depth

Spud hole at 7:30 p.m., February 13, 1980. Drilled 290' of 12¼" hole. Ran 7 joints of 8-5/8" new 20# casing. (Talley 281.64'). Set at 289.50' with 215 sacks of common cement, 3% Ca.Cl., 2% gel. Cement did circulate. Plug was down at 2:00 a.m., February 14, 1980.

T.D. 4145'. Set 1st plug at 1100' with 70 sacks, 2nd plug at 280' with 20 sacks, 3rd plug at 40' solid bridge with 10 sacks and rathole with 5 sacks. Cemented with 50/50 posmix, 6% gel. Plug was down at 6:00 a.m., February 20, 1980.

SAMPLE TOPS:

Anhydrite 2221'
B/Anhydrite 2261'

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 SPIES "A" #1, SE/4, Section 27-9-25, Graham County, Kansas.

ABERCROMBIE DRILLING, INC.