API No. 15-007-21,365

KANSAS DRILLERS LOG

State Geological Survey
WICHITA BRANCH
JAN 22 1982

COMPANY Terry Smith

SEC. 20 T 32S R 10W
LOC. 300' FSL of NE SW NE

FARM McKeever NO. 1

COUNTY Barber

ROTARY TOTAL DEPTH 4498'
COMM. December 27, 1981 COMP. January 4, 1982
CONTRACTOR Freeman Drilling Co., Inc.
ISSUED January 11, 1982

CASING

10 3/4"
8 5/8" - Set at 349' cemented w/275 sxs cement
5 1/2"
4 1/2" - Set at 4497' cemented w/200 sxs cement

ELEVATION 1471' K.B.

FIGURES INDICATE BOTTOM OF FORMATIONS

Red Bed and Sand	378'
Red Bed and Shale	1810'
Lime and Shale	4498'
Rotary Total Depth	4498'

I hereby certify the above and foregoing to be a true and correct log of the above described well as shown by the drilling reports.

FREEMAN DRILLING CO., INC.

Gary Younger

State of Kansas)
) ss:
County of Sedgwick)

Subscribed and Sworn to before me, a Notary Public, in and for said county and state this 11th day of January, 1982.

My Commission Expires: May 12, 1984