

State Geological Survey
WICHITA, BRANCH

WELL LOG

15-077-20354

31-32-8W

KINNARD #2
470' FNL & 1300' FWL
Section 31-32S-8W
Harper County, Kansas

OPERATOR: TEXAS OIL & GAS CORP.
CONTRACTOR: XPLOR DRILLING CO.

COMMENCED: 4-9-76
COMPLETED: 4-28-76

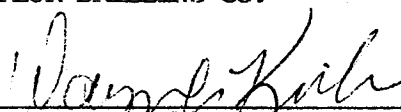
CASING RECORD: Set 13 3/8" @246 - 17 1/2" hole. Ran 54 jts. new
24# 8 5/8" set @2171'. Layed drill pipe, ran 110
jts. new 14# 5 1/2", set 1' off bottom @4748'.

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>ELEVATION</u>
Shale	0	250	1410 Gr.
Red Bed	250	576	1415 D.F.
Shale	576	926	1418 K.B.
Lime	926	984	
Lime & Shale	984	3418	
Shale	3418	3503	
Shale & Lime	3503	3740	
Lime	3740	4046	
Shale & Lime	4046	4590	
Lime	4590	4749	
R.T.D.	4749		

STATE OF KANSAS)
) SS:
COUNTY OF SEDGWICK)

I certify that this is a true and correct copy of the Driller's Log of
the well drilled 470' FNL & 1300' FWL of Section 31 - 32s - 8W, Harper
County, Kansas, to the best of my knowledge and belief.

XPLOR DRILLING CO.


Wayne T. Kuhn, Driller