

*Geological Survey*  
WICHITA BRANCH

KANSAS GEOLOGICAL SOCIETY  
KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU  
KANSAS GEOLOGICAL SOCIETY BUILDING  
508 EAST MURDOCK - WICHITA, KANSAS

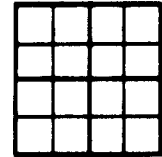
*Dup*

COMPANY National Crude, Inc.  
NE  
FARM Thunderbird Ranch NO. 1

SEC. 7 T. 31S R. 14W  
LOC. Approx. C - NW SE

COUNTY Barber

KANSAS



TOTAL DEPTH 4,629'  
COMM. February 20, 1978  
SHOT OR TREATED  
CONTRACTOR H-30, Inc.  
ISSUED March 13, 1978

COMP. March 4, 1978

CASING

20	10 - 3/4" 216' cemented w/200 sxs cement
15	8
12	6
13	5

ELEVATION 1,648 DF.

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Sand and Shale  
Shale and Red Bed  
Shale  
Shale and Sand  
Lime and Shale  
Shale and Lime  
Lime and Shale  
Shale and Lime  
Lime and Shale  
Shale and Lime  
Lime and Shale  
Shale and Lime  
Lime and Shale  
Shale and Lime  
Lime and Shale  
Shale and Lime  
Rotary Total Depth

RECEIVED  
STATE CORPORATION COMMISSION

MAR 21 1978

CONSERVATION DIVISION  
Wichita, Kansas

75'  
1,070'  
1,670'  
1,730'  
1,990'  
3,100'  
3,520'  
3,740'  
4,185'  
4,351'  
4,448'  
4,457'  
4,545'  
4,629'  
4,629'

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.

H-30, INC.

*Dean Britting*  
Dean Britting

State of Kansas }  
County of Sedgwick } ss:

Suscribed and Sworn to before me a Notary Public  
in and for said county and state this 13th day of