

State Oil & Gas Survey
KANSAS DRILLERS LOG
WICHITA BRANCH

COMPANY **Big J Production Company, Inc.**SEC. **17 T. 25S R. 14W**FARM **Ernest Waters** NO. **1**LOC. **C-SE NW NW**ROTARY TOTAL DEPTH **4,450'**COUNTY **Stafford**COMM. **November 21, 1979** COMP. **December 3, 1979**CONTRACTOR **H-30, Inc. (Rig #7)**ISSUED **December 7, 1979**

CASING

10 3/4"

8 5/8" **Set at 390' cemented w/285 sxs cement**ELEVATION **1,947' K.B.**

5 1/2"

4 1/2"

FIGURES INDICATE BOTTOM OF FORMATIONS

| | |
|-------------------------|--------|
| Sand and Shale | 395' |
| Shale, Red Bed and Lime | 1,157' |
| Lime and Shale | 2,283' |
| Shale and Lime | 2,530' |
| Lime and Shale | 4,450' |
| Rotary Total Depth | 4,450' |

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:

Subscribed and Sworn to before me a Notary Public
 in and for said county and state this 7th day of
 December, 1979.