

DRILLERS LOG

SANTA FE MINERALS, INC.
H.V. TUCKER #2
SECTION 25-T34S-R34W
SEWARD COUNTY, KANSAS

COMMENCED: 12-07-88
COMPLETED: 12-10-88

SURFACE CASING: 755' OF 8 5/8"
CMTD. W/250 SX LITE "C", 2% C.C.
1/4#/SX FLOCEL, TAILED IN W/150
SX "C", 2% C.C., 1/4#/SX FLOCEL

FORMATION

DEPTH

SURFACE HOLE	0- 755
RED BED & CLAY	755-1104
GLORIETTA SAND	1104-1250
RED BED, SAND, CLAY, & SHALE	1250-1847
SHALE	1847-2335
SHALE & LIME	2335-2660
LIME & SHALE	2660-2870 RTD

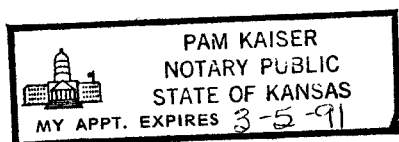
I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A. J. Jacques
A. J. JACQUES

STATE OF KANSAS :SS:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 13TH DAY OF DECEMBER, 1988.



Pam Kaiser
PAM KAISER, NOTARY PUBLIC