

DRILLERS LOG

SANTA FE MINERALS
WALTER HARMS #2K
SECTION 1-T35S-R35W
STEVENS COUNTY, KANSAS

COMMENCED: 11-17-87
COMPLETED: 11-21-87

SURFACE CASING: 714' OF 8 5/8"
CMTD. W/250 SX CLASS "C", 2% C.C.
1/4# FLOCELE, TAILED IN W/120 SX
CLASS "C", 2% C.C., 1/4# FLOCELE

FORMATION	DEPTH
CONDUCTOR CASING	0- 60
SURFACE HOLE	60- 714
RED BED	714-1180
GLORIETTA SAND	1180-1326
RED BED & ANHYDRITE	1326-1600
SHALE & LIMESTONE	1600-2113
LIME & SHALE	2113-2728
LIMESTONE & SHALE	2728-2754
LIME & SHALE	2754-2850 RTD

DEC 02 1987

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

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

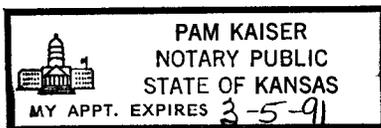
CHEYENNE DRILLING, INC.

A. J. Jacques

A. J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 24TH DAY OF NOVEMBER, 1987.



Pam Kaiser
PAM KAISER, NOTARY PUBLIC