

DRILLERS LOG

AMOCO PRODUCTION COMPANY  
WINGER GU "A" NO. 3 HI  
SECTION 5-T28S-R39W  
STANTON COUNTY, KANSAS

COMMENCED: 10-21-91  
COMPLETED: 10-23-91

SURFACE CASING: 593' OF 8 5/8"  
CMTD W/190 SX LT "C", 2% C.C.,  
1/4#/SX FLO-CELE; TAILED IN W/  
150 SX "C", 2% C.C., 1/4#/SX FLO-CELE

FORMATION	DEPTH
SURFACE HOLE	0- 602
SAND & CLAY	602- 755
RED BED, SAND, & ANHYDRITE	755-1441
RED BED & SHALE	1441-1874
RED BED	1874-2474    RTD

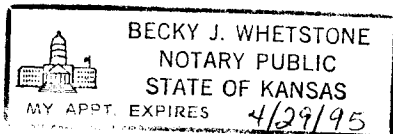
I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT  
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A. J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 25TH DAY OF OCTOBER, 1991.



BECKY J. WHETSTONE, NOTARY PUBLIC