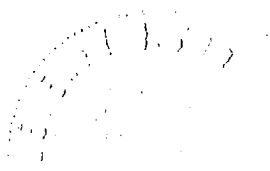
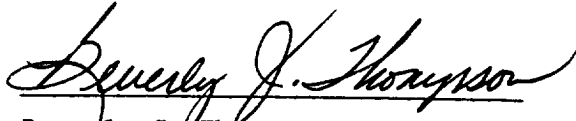


CORPORATION ACKNOWLEDGMENT

STATE OF OKLAHOMA)
) SS:
COUNTY OF CANADIAN)

On this 31ST day of OCTOBER, 1989, before me, the under-
signed, a Notary Public, in and for the County and State aforesaid,
personally appeared R.K. "PETE" MARTIN to
me known to be the identical person who signed the name of the maker
thereof to the within and foregoing instrument as its DRILLING COST
ANALYST and acknowledge to me that he executed and same as his
free and voluntary act and deed of said corporation, for the uses and
purposes therein set forth.

Given under my hand and seal the day and year last above written.



Beverly J. Thompson

My Commission Expires:

11/18/90