

COLEMAN DRILLING CO.

DRAWER 3337

FARMINGTON, N. M. 87401

PHONE: (505) 325-6892

(505) 327-4935

OCTOBER 16, 1978

CHACE OIL COMPANY
313 WASHINGTON S.E.
ALBUQUERQUE, NEW MEXICO 87108

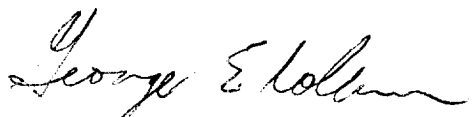
THIS LETTER IS TO CERTIFY THAT COLEMAN DRILLING CO. DID RUN DEVIATION
SURVEY AT THE LISTED DEPTHS ON YOUR CHACE APACHE 54-1 IN SANDOVAL COUNTY,
NEW MEXICO - NE 1/4 SECTION 3, T22N, R3W

DEPTH	DEGREE DEVIATION
498'	1/2
1027'	1/2
1530'	1/2
2130'	1/2
2747'	3/4
3153'	3/4
3537'	3/4
4025'	3/4
4650'	3/4
5000'	3/4
5457'	1
6000'	1 1/4
6500'	1 1/4
7026'	1 1/4
7350'	1 1/4



TO THE BEST OF MY KNOWLEDGE, I SWEAR THIS INFORMATION TO BE TRUE.

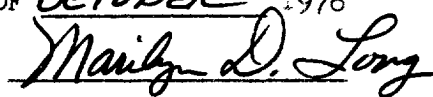
GEORGE E. COLEMAN


PRESIDENT

SUBSCRIBED AND SWORN TO BEFORE ME THIS

16TH DAY OF OCTOBER 1978

NOTARY PUBLIC



MY COMMISSION EXPIRES JANUARY 2 1980