

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

January 27, 1986

Operator: Chace Oil Company

Jicarilla # 47-10

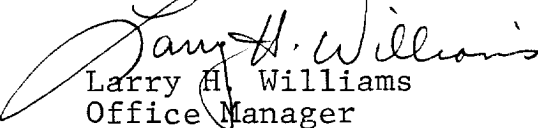
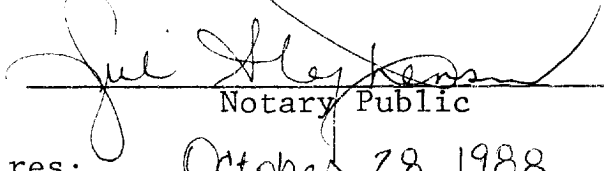
Section 11, Township 23N, Range 4W

Rio Arriba County, New Mexico

DEVIATION RECORD

DATE	DEPTH	DEVIATION
12-23-85	225'	1/2°
12-25-85	739'	1/2°
12-26-85	1954'	3/4°
12-27-85	3182'	1°
12-28-85	3920'	1/4°
12-29-85	4162'	1/2°
12-30-85	4400'	3/4°
12-31-85	4902'	1 1/4°
	5208'	3/4°
1-1-86	5476'	3/4°
1-2-86	6033'	3/4°
1-4-86	6647'	3/4°
	6832'	1 1/2°
1-6-86	7232'	1°
1-7-86	7496'	1°
	7602'	1°

ARAPAHOE DRILLING CO., INC.


Larry H. Williams
Office ManagerSTATE OF NEW MEXICO
COUNTY OF BERNALILLOSubscribed and sworn to before me, a Notary Public,
this 28 day of January, 1986, by Larry H. Williams,
Office Manager of Arapahoe Drilling Co., Inc.
Notary PublicMy Commission Expires: October 28, 1988

RECEIVED
FEB 03 1986
OIL & GAS DIV. I
DIST. 3