

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

November 21, 1984

Operator: Chace Oil Company

Jicarilla 71-40

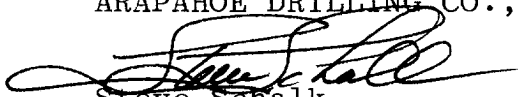
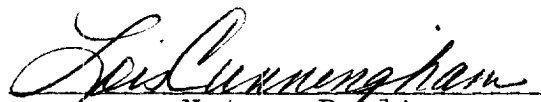
Section 9, Township 23 North, Range 4 West

Rio Arriba County, New Mexico

DEVIATION RECORD

DATE	DEPTH	DEVIATION
10/27/84	229'	3/4°
10/28/84	721'	1°
	1242'	1°
10/29/84	1735'	3/4°
	2251'	3/4°
	2741'	1 1/4°
10/30/84	3262'	1°
10/31/84	3784'	1°
11/01/84	4277'	1 1/4°
11/02/84	4801'	1°
	4968'	3/4°
11/04/84	5478'	1°
11/05/84	5975'	1°
11/06/84	6217'	1°
11/08/84	6738'	3/4°
11/09/84	7162'	1/2°
11/10/84	7284'	1/2°

ARAPAHOE DRILLING CO., INC.


Steve Schalk
PresidentSTATE OF NEW MEXICO
COUNTY OF BERNALILLOSubscribed and sworn to before me, a Notary Public,
this 21st day of November, 1984, by Steve Schalk,
President of Arapahoe Drilling Co., Inc.
OFFICIAL SEAL
LOIS CUNNINGHAM
NOTARY PUBLIC - NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires: 3/7/87
Notary PublicRECEIVED
NOV 29 1984
OIL & GAS DIV.
DIST. 3