

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

July 6, 1984

Operator: Chace Oil Company

Jicarilla 47-8


Section 11, Township 23 North, Range 4 West

Rio Arriba County, New Mexico

DEVIATION RECORD

<u>DATE</u>	<u>DEPTH</u>	<u>DEVIATION</u>
6/13/84	225'	3/4°
6/14/84	546'	1 1/2°
	1069'	1°
6/15/84	1559'	3/4°
	2173'	1°
	2663'	1 1/2°
6/16/84	2798'	1 1/4°
	3310'	2 1/2°
6/17/84	3803'	2°
6/18/84	4356'	1 1/4°
6/19/84	4878'	1 1/4°
6/20/84	5370'	1 1/4°
6/21/84	5865'	1°
6/22/84	6330'	1°
6/23/84	6885'	1 1/4°
6/24/84	7310'	3/4°
6/26/84	7555'	3/4°

ARAPAHOE DRILLING CO., INC.


Steve Schalk
PresidentSTATE OF NEW MEXICO
COUNTY OF BERNALILLOSubscribed and sworn to before me, a Notary Public,
this 6th day of July, 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 Public