

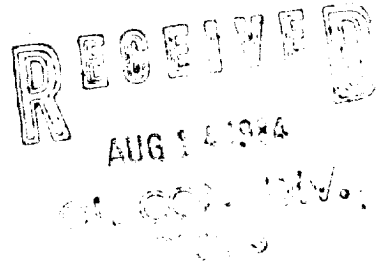
ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

August 2, 1984



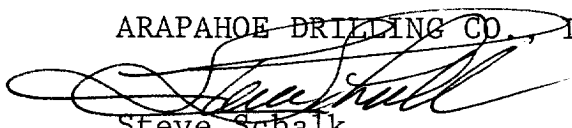
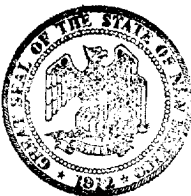
Operator: Chace Oil Company

Jicarilla 71-29

Section 10, Township 23 North, Range 4 West
Rio Arriba County, New MexicoDEVIATION RECORD

DATE	DEPTH	DEVIATION
7/11/84	221'	1/2°
7/12/84	756'	1/4°
7/13/84	1805'	1/4°
7/14/84	2484'	3/4°
	2927'	3/4°
7/15/84	3439'	1°
7/16/84	3932'	1°
7/17/84	4456'	1°
7/18/84	4974'	1°
7/20/84	5994'	1°
7/21/84	6238'	3/4°
7/22/84	6438'	1°
7/24/84	6824'	1 3/4°
7/26/84	7448'	1 1/2°

ARAPAHOE DRILLING CO., INC.


Steve Schalk
PresidentSTATE OF NEW MEXICO
COUNTY OF BERNALILLOSubscribed and sworn to before me, a Notary Public,
this 8th day of August, 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