

1-12-42-11W

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 871215

STEVE SCHALK
PRESIDENT

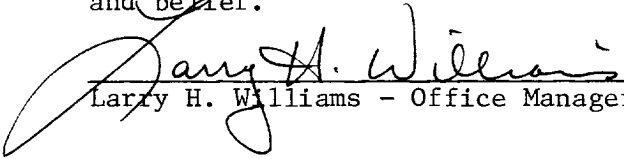
Chace Oil Company
313 Washington SE
Albuquerque, NM 87108

RECEIVED
DEC 03 1986
OIL CON. DIV.
OBS. 2

DEVIATION SURVEY
Jicarilla Apache 47-28
Rio Arriba County, NM

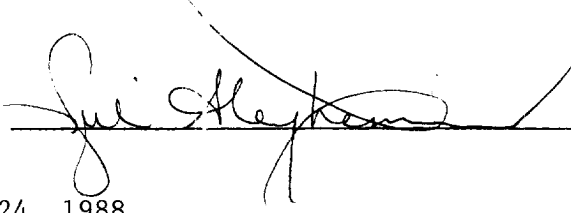
Date	Deviation	Footage
11-3-86	1°	238'
11-4-86	3/4°	780'
11-5-86	3/4°	1,756'
	1/2°	2,250'
	3/4°	2,649'
11-6-86	1/2°	2,907'
	1/2°	3,407'
11-7-86	3/4°	3,928'
	3/4°	4,420'
	1°	4,597'
11-8-86	1°	5,103'
11-9-86	None	
11-10-86	1°	5,500'
11-11-86	1 1/2°	6,600'
11-12-86	1 3/4°	7,279'
11-13-86	None	
11-14-86	1 3/4°	7,625'

I certify that the above report is true to the best of my knowledge and belief.


Larry H. Williams - Office Manager

November 21, 1986
Date

The foregoing document was acknowledged before me by Larry H. Williams on November 21, 1986.


My Commission Expires: October 24, 1988