

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

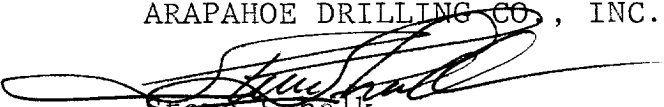
April 24, 1984

OPERATOR: Chace Oil Co., Inc.

WELL: Jicarilla 71-30
Section 10, Township 23 North, Range 4 West
Rio Arriba County, New MexicoDEVIATION RECORD

DATE	DEPTH	DEVIATION
4/09/84	220'	1/2°
4/10/84	725'	3/4°
4/11/84	1225'	3/4°
	1678'	3/4°
	2171'	1°
	2388'	1°
4/12/84	2883'	1°
	3403'	1°
4/13/84	3760'	1°
4/14/84	4297'	1°
	4822'	3/4°
4/15/84	5344'	3/4°
4/16/84	5873'	1°
4/18/84	6363'	1°
4/19/84	6888'	1°
4/20/84	7417'	1°

ARAPAHOE DRILLING CO., INC.

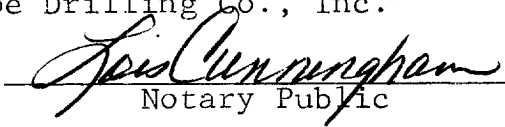

Steve Schalk
PresidentSTATE OF NEW MEXICO
COUNTY OF BERNALILLOSubscribed and sworn to before me, a Notary Public,
this 26th day of April, 1984, by Steve Schalk,
President of Arapahoe Drilling Co., Inc.

OFFICIAL SEAL

LOIS CUNNINGHAM

NOTARY PUBLIC - NEW MEXICO

Notary Bond Filed with Secretary of State

My Commission Expires: 3/1/87
Notary Public