

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

September 23, 1983

Jicarilla 71-16
SE/SW, Section 3, Township 24 North, Range 4 West
Rio Arriba County, New Mexico

DEVIATION RECORD

DATE	DEPTH	DEVIATION
8/22/83	220'	1/4°
8/23/83	747'	1/2°
8/25/83	1240'	1/2°
	1736'	1°
8/26/83	2250'	1°
	2788'	1-1/4°
8/27/83	3099'	1°
	3567'	1/2°
8/28/83	4276'	3/4°
8/29/83	4629'	3/4°
8/31/83	5669'	3/4°
9/01/83	6314'	3/4°
9/02/83	6687'	3/4°
9/04/83	7560'	3/4°

ARAPAHOE DRILLING CO., INC.

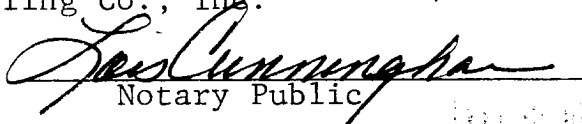

Steve Schalk
President

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

Subscribed to and sworn to before me, a Notary Public,
this 23rd day of September, 1983, 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

100-000000
SEE 30 1983
OIL COMPANY
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