

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

September 19, 1983

Tribal Contract

Jicarilla 47-5 JV

Unit F, Section 11, Township 23 North, Range 4 West

Rio Arriba County, New Mexico

RECEIVED
OCT 4 1983

OIL CON. DIV.
DIST. 3

DEVIATION RECORD

DATE	DEPTH	DEVIATION
8/30/83	216'	3/4°
8/31/83	728'	1°
	1223'	3/4°
9/01/83	1745'	3/4°
	2209'	3/4°
	2829'	1-3/4°
9/02/83	3720'	2-1/4°
9/03/83	4370'	1-3/4°
9/04/83	4812'	1°
9/05/83	5325'	1°
9/06/83	5817'	3/4°
9/08/83	6308'	3/4°
	6583'	1/2°
9/10/83	7013'	1/2°
9/12/83	7671'	3/4°

ARAPAHOE DRILLING CO., INC.

Steve Schalk
Steve Schalk
President

STATE OF NEW MEXICO
COUNTY OF BERNALILLO

Subscribed and sworn to before me, a Notary Public,
this 20th day of September, 1983, by Steve Schalk,
President of Arapahoe Drilling Co., Inc.

Lois Cunningham
Notary Public



OFFICIAL SEAL
LOIS CUNNINGHAM

NOTARY PUBLIC - NEW MEXICO

Notary Bond Filed with Secretary of State

My Commission Expires: 3/7/87