

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK  
PRESIDENT

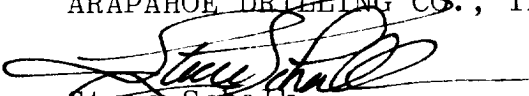
July 15, 1983

Jicarilla Apache 71-18  
Unit F, Section 3, Township 23 North, Range 4 West  
Rio Arriba County, New Mexico

DEVIATION RECORD

<u>DATE</u>	<u>DEPTH</u>	<u>DEVIATION</u>
6/17/83	216'	1/2°
6/18/83	789'	1°
	1284'	1°
6/19/83	1809'	1-1/2°
	2214'	1-3/4°
	2709'	1-1/2°
	3038'	1°
6/20/83	3571'	1°
6/21/83	3893'	3/4°
	4402'	3/4°
6/22/83	5015'	3/4°
6/23/83	5508'	1/2°
6/24/83	5602'	3/4°
6/25/83	6158'	3/4°
6/27/83	6648'	3/4°
6/28/83	7162'	1°
6/30/83	7540'	3/4°

ARAPAHOE DRILLING CO., INC.

  
Steve Schalk  
President

STATE OF NEW MEXICO  
COUNTY OF BERNALILLO

Subscribed and sworn to before me, a Notary Public, this  
18th day of July, 1983, by Steve Schalk, President  
of Arapahoe Drilling Co., Inc.

  
Notary Public



OFFICIAL SEAL  
LOIS CUNNINGHAM  
NOTARY PUBLIC - NEW MEXICO  
Notary Bond Filed with Secretary of State  
My Commission Expires: 3/7/87

CLERK I. DIV.  
Dist. 3