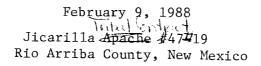
H-11-23N-4W

ARAPAHOE DRILLING CO., INC.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK PRESIDENT





Date	Footage	Deviation
9-30-87	238' 268' 295' 325' 380' 415'	1/4° 1/2° 1/2° 1/2° 1/2°
10-1-87	518' 576' 634' 697' 760' 853' 948' 1,105' 1,260' 1,414'	1/2° 1/2° 1/2° 1/2° 1/2° 3/4° 3/4° 3/4° 1°
10-2-87	1,570' 1,724' 2,000' 2,280'	1° 1° 1° 1°
10-3-87	2,509' 2,830'	1° 3/4°
10-4-87	3,086'	7/8°
10-5-87	3,523' 4,023'	1° 1°
10-6-87	4 , 542'	1 3/4°
10-8-87	5,048'	1 1/2°
10-9-87	5,665'	1 1/2°
10-10-87	6,181'	1 1/4°
10-11-87	6,690' 7,190'	1 1/4° 1 1/2°
10-12-87	7,363'	2°
10-14-87	7,700'	2°

ARAPAHOE DRILLING CO., INC.

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STEVE SCHALK PRESIDENT

> The foregoing Deviation Report dated February 9, 1988, for the Jicarilla Apache #47-19 well is a true and complete report to the best of my knowledge and belief.

Office Mahager

February 9, 1988

SUBSCRIBED and SWORN to this 9th day of February, 1988, by Larry H. Williams, known by me to the the office manager for Arapahoe Drilling Co., Inc..

My Commission Expires:

October 24, 1988

Stephenson -Notary Public

