

FOUR CORNERS DRILLING CO.

P.O. BOX 1067
657 WILD HORSE DRIVE
FARMINGTON, NEW MEXICO 87401

TELEPHONE: (505) 327-1122

133-941-4W

January 14, 1982



Chace Oil Company
313 Washington, S.E.
Albuquerque, New Mexico 87108

Sirs:

The Four Corners Drilling Company drilled the Jicarilla 70-14 for Chace Oil Company. Deviation surveys were taken using a Shurshot 7° instrument as follows:

| | |
|--------------|----------------|
| 224' - 1/4° | 4468' - 1° |
| 736' - 1/4° | 4991' - 1 1/4° |
| 1228' - 1/4° | 5145' - 1° |
| 1514' - 1/2° | 5619' - 1 1/2° |
| 2020' - 1/2° | 6140' - 1 1/4° |
| 2250' - 1/2° | 6673' - 1 1/2° |
| 2798' - 3/4° | 7054' - 1° |
| 3290' - 1/2° | 7300' - 1° |
| 3809' - 3/4° | 7366' - 1° |
| 3971' - 1° | |

Very sincerely, yours,

J.W. Andes
J.W. Andes

Drilling Engineer

State of New Mexico

County of San Juan

Subscribed and sworn to me this 14th day of January, 1982

Frances Lipps
Notary Public



OFFICIAL SEAL

Signature _____

FRANCES LIPPS
NOTARY PUBLIC, NEW MEXICO
Notary Seal Filed with Secretary of State
My Commission Expires: 3-29-83

JWA:pkp