

E AND NUMBER

Chimayo #1

Section 8, T-25-S, R-29-E, Eddy County, New Mexico

OR Penwell Energy, Inc., 600 N. Marienfeld, Suite 1100, Midland, Texas 79701

DRILLING CONTRACTOR TMBR/Sharp Drilling, Inc., P.O. Drawer 10970, Midland, Texas 79702

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

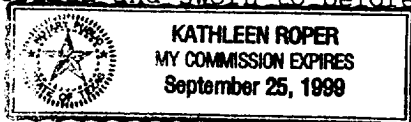
Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.50° @ 198'	.25° @ 1,905'	.25° @ 3,324'	1.25° @ 6,561'
1.00° @ 356'	.25° @ 2,000'	1.00° @ 3,510'	2.00° @ 6,749'
1.00° @ 640'	1.00° @ 2,093'	.75° @ 3,699'	2.25° @ 6,803'
1.75° @ 756'	1.00° @ 2,188'	1.00° @ 3,885'	2.00° @ 6,873'
1.75° @ 851'	1.00° @ 2,281'	.25° @ 4,072'	2.50° @ 6,935'
2.00° @ 945'	1.25° @ 2,374'	.50° @ 4,257'	.50° @ 6,980'
2.25° @ 1,008'	.75° @ 2,468'	.75° @ 4,539'	.50° @ 7,042'
2.50° @ 1,102'	1.00° @ 2,562'	1.25° @ 5,039'	.75° @ 7,104'
2.00° @ 1,159'	1.75° @ 2,656'	1.50° @ 5,164'	1.00° @ 7,165'
1.75° @ 1,251'	2.00° @ 2,723'	1.00° @ 5,259'	1.00° @ 7,227'
1.75° @ 1,345'	1.00° @ 2,812'	1.00° @ 5,445'	2.00° @ 7,322'
1.00° @ 1,439'	1.00° @ 2,875'	1.00° @ 5,632'	1.25° @ 7,385'
.50° @ 1,537'	.75° @ 2,950'	.50° @ 6,127'	.50° @ 7,479'
.50° @ 1,719'	1.00° @ 3,042'	1.25° @ 6,375'	1.75° @ 7,572'
1.50° @ 1,812'	.75° @ 3,136'	.75° @ 6,467'	1.00° @ 7,665'

Drilling Contractor TMBR/Sharp Drilling, Inc.

By

Jeff Phillips, Engineering Manager

Subscribed and sworn to before me this 10th day of September, 19 97



Kathleen Roper

Notary Public Kathleen Roper

Commission expires: 9/25/99

Midland County, Texas