

WELL NAME AND NUMBER

State 0 No. 4

Unit E

30-025-32273

1770W & 660N

LOCATION

Section 32, T-20-S, R-37-E, Lea County, New Mexico

OPERATOR

ARCO Oil & Gas Company, 600 Marienfeld, 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:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
.75° @ 400'			
.25° @ 430'			
.25° @ 804'			
1.00° @ 1,109'			
1.25° @ 1,430'			
.75° @ 1,837'			
2.00° @ 2,147'			
2.00° @ 2,302'			
2.25° @ 2,456'			
2.25° @ 2,538'			
2.00° @ 2,631'			
1.50° @ 2,764'			
1.00° @ 2,888'			
.25° @ 3,284'			
1.00° @ 3,700'			

Drilling Contractor TMBR/Sharp Drilling, Inc.

By

Fred Schwiening
Fred Schwiening, Contract Coordinator
day of October, 1993

Subscribed and sworn to before me this 27th

KATHLEEN ROPER
MY COMMISSION EXPIRES
September 25, 1995

Kathleen Roper
Notary Public Kathleen Roper

Commission expires:

9/25/95MidlandCounty, Texas