**COLUMBIA DRILLING CO., INC.**
P. O. DRAWER 3636
MIDLAND, TEXAS 79702-3636
(915) 697-7975

Well Name & Number NORTH HOBBS UNIT 29-342W

Operator SHELL WESTERN E & P INC.

Location Sec. 29, T18S, R38E, Lea County, New Mexico

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:

## RECORD OF INCLINATION

| *11 Measured Depth (feet) | 12 Course Length (Hundreds of feet) | *13 Angle of Inclination (Degrees) | 14 Displacement per Hundred Feet (Sine of Angle X100) | 15 Course Displacement (feet) | 16 Accumulative Displacement (feet) |
|---|---|---|---|---|---|
| 457 | 457 | 1 | 1.75 | 8.00 | 8.00 |
| 909 | 452 | 1 | 1.75 | 7.91 | 15.91 |
| 1354 | 445 | 1/2 | .87 | 3.87 | 19.78 |
| 1482 | 128 | 3/4 | 1.31 | 1.68 | 21.46 |
| 1942 | 460 | 1 | 1.75 | 8.05 | 29.51 |
| 2419 | 477 | 1 1/4 | 2.18 | 10.40 | 39.91 |
| 2919 | 500 | 1/2 | .87 | 4.35 | 44.26 |
| 3418 | 499 | 1/2 | .87 | 4.34 | 48.60 |
| 3870 | 452 | 1/2 | .87 | 3.93 | 52.53 |
| 4370 | 500 | 3/4 | 1.31 | 6.55 | 59.08 |

Drilling Contractor: COLUMBIA DRILLING CO., INC.

By: [illegible]

Subscribed and sworn to before me this 16 day of November 19 84

Carol J. Rosco
Notary Public

My Commission Expires 10-29-85

Midland County, Texas