Shell Western E&P, Inc.
P. O. Box 991
Houston, Texas 77001
Attn: Mr. Eddie Curtis

# COLUMBIA DRILLING CO., INC.

P. O. DRAWER 3636

MIDLAND, TEXAS 79702-3636

(915) 697-7975

Well Name & Number North Hobbs Unit 32-42[illegible]

Operator Shell Western E&P, Inc.

Location Sec. 5, T18S, Lea County, N.M.

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 X 100) | 15 Course Displacement (feet) | 16 Accumulative Displacement (feet) |
|---|---|---|---|---|---|
| [illegible] | [illegible] | 1/2 | .87 | [illegible] | 1.26 |
| [illegible] | 442 | 1 3/4 | 3.05 | 1[illegible].88 | 16.14 |
| [illegible] | 455 | [illegible] | 1.31 | [illegible].29 | 22.34 |
| 1706 | [illegible] | 3/4 | [illegible] | [illegible].56 | 29.90 |
| [illegible] | 42[illegible] | 1 | 1.75 | [illegible].25 | 36.15 |
| 2015 | 477 | 3/4 | 1.31 | [illegible].68 | 46.83 |
| 2365 | 350 | 1 3/4 | 3.05 | [illegible].68 | 53.51 |
| 2620 | 255 | 1 1/2 | 2.62 | [illegible].68 | 56.00 |
| 2800 | 180 | 1 | 1.75 | [illegible].15 | 60.16 |
| 3000 | 200 | 1 | 1.75 | [illegible].50 | 64.32 |
| 3478 | 478 | 1/2 | .87 | [illegible].16 | 70.99 |
| 3987 | 509 | 3/4 | 1.31 | [illegible].67 | 74.32 |
| 4370 | 383 | 1/2 | .87 | 3.33 | |

Drilling Contractor COLUMBIA DRILLING CO., INC.

By [illegible]

Subscribed and sworn to before me this 11 day February, 19 85

Notary Public [illegible]

My Commission Expires [illegible] Midland, Texas

Shell Western E&P, Inc.
P. O. Box 991
Houston, Texas 77001
Attn: Mr. Eddie Curtis

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

Well Name & Number North Hobbs Unit 32-422

Operator Shell Western E&P, Inc.

Location Sec. 32, T18S, Lea County, N.M.

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) |
|---|---|---|---|---|---|
| 145 | 145 | 1/2 | .87 | 1.26 | 1.26 |
| 633 | 488 | 1 3/4 | 3.05 | 14.88 | 16.14 |
| 1106 | 473 | 3/4 | 1.31 | 6.20 | 22.34 |
| 1538 | 432 | 1 | 1.75 | 7.56 | 29.90 |
| 2015 | 477 | 3/4 | 1.31 | 6.25 | 36.15 |
| 2365 | 350 | 1 3/4 | 3.05 | 10.68 | 46.83 |
| 2620 | 255 | 1 1/2 | 2.62 | 6.68 | 53.51 |
| 2800 | 180 | 1 | 1.75 | 3.15 | 56.66 |
| 3000 | 200 | 1 | 1.75 | 3.50 | 60.16 |
| 3478 | 478 | 1/2 | .87 | 4.16 | 64.32 |
| 3987 | 509 | 3/4 | 1.31 | 6.67 | 70.99 |
| 4370 | 383 | 1/2 | .87 | 3.33 | 74.32 |

Drilling Contractor: COLUMBIA DRILLING CO., INC.

By: [signature]

Subscribed and sworn to before me this 11 day of February 19 85

[signature]
Notary Public

My Commission Expires 10-29-85

Midland County, Texas