

WELL NAME AND NUMBER State 16 #4-F 3001

LOCATION Section 16, T16S, R37E, Lea County, New Mexico  
(New Mexico give U.S.T. & R. - Texas give S, BLK, SURV. and TWP)

OPERATOR Pennzoil Company

DRILLING CONTRACTOR MORANCO Drilling, Inc.

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 and Depth</u> | <u>Degrees and Depth</u> | <u>Degrees and Depth</u>    | <u>Degrees and Depth</u>    |
|--------------------------|--------------------------|-----------------------------|-----------------------------|
| <u>3/4 193</u>           | <u>1 5403</u>            | <u>4 1/4 10700</u>          | <u>                    </u> |
| <u>1 426</u>             | <u>1 1/4 5897</u>        | <u>4 1/2 10752</u>          | <u>                    </u> |
| <u>1/2 922</u>           | <u>1 3/4 6391</u>        | <u>2 1/2 10848</u>          | <u>                    </u> |
| <u>1/4 1418</u>          | <u>1 6918</u>            | <u>2 1/2 10940</u>          | <u>                    </u> |
| <u>1/2 1912</u>          | <u>1 1/2 7414</u>        | <u>3 11064</u>              | <u>                    </u> |
| <u>1/2 2210</u>          | <u>1 7911</u>            | <u>2 1/2 11310</u>          | <u>                    </u> |
| <u>3/4 2716</u>          | <u>1 8404</u>            | <u>2 11522</u>              | <u>                    </u> |
| <u>1 3209</u>            | <u>1 8933</u>            | <u>1 3/4 12084</u>          | <u>                    </u> |
| <u>1 3591</u>            | <u>1 1/2 9429</u>        | <u>                    </u> | <u>                    </u> |
| <u>1 4086</u>            | <u>3/4 9928</u>          | <u>                    </u> | <u>                    </u> |
| <u>1/2 4400</u>          | <u>1 10425</u>           | <u>                    </u> | <u>                    </u> |
| <u>1 4903</u>            | <u>2 3/4 10646</u>       | <u>                    </u> | <u>                    </u> |

Drilling Contractor MORANCO Drilling, Inc.

By Wiley Gilmore  
Wiley Gilmore - Marketing Manager

Subscribed and sworn to before me this 30th day of October 19 87

My Commission expires:

January 30, 1989

Susie Branyon  
Notary Public Susie Branyon  
Lea County, New Mexico

RECEIVED  
NOV 23 1987  
OCD  
HOBBS OFFICE