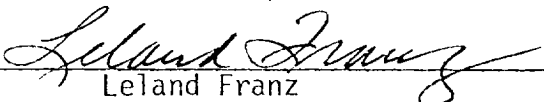


New Mexico State No. 1
Unit F, Section 2,
T-19-S, R-34-E
Lea County, New Mexico

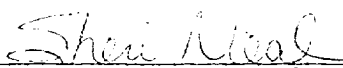
LIST OF DEVIATION SURVEYS

| <u>DEPTH</u> | <u>SLOPE</u> |
|--------------|--------------|
| 833' | 3/4° |
| 1350 | 1 |
| 1850 | 1 |
| 1860 | 1 |
| 2354 | 1-1/2 |
| 2886 | 1-1/2 |
| 3380 | 1 |
| 4320 | 3/4 |
| 4820 | 1/4 |
| 5320 | 1/2 |
| 5830 | 1/2 |
| 6330 | 1/2 |
| 6850 | 1-1/2 |
| 7399 | 2 |
| 7805 | 2-1/4 |
| 8000 | 2 |
| 8341 | 1 |
| 8760 | 1-1/4 |
| 8914 | 1-1/2 |
| 9360 | 1 |
| 9860 | 1-1/4 |
| 10,347 | 1-1/4 |
| 10,818 | 1-1/2 |
| 11,230 | 1-1/4 |
| 11,573 | 1-1/2 |
| 11,887 | 1 |
| 12,335 | 1 |
| 12,511 | 1-1/4 |
| 13,217 | 3/4 |
| 13,400 | 3/4 |
| 13,675 | 3/4 |

The above deviation record was taken from the daily drilling reports.
I hereby certify the above to be a true and accurate report to the best of
my knowledge.


Leland Franz

Sworn to and subscribed before me on this the 12th day of May 1980.


Notary Public
THE STATE OF Texas
COUNTY OF Midland