TAHOE DRILLING CO.

PHONE (915) 697-4173 • 4402 W. INDUSTRIAL • MIDLAND, TEXAS 79703

Well Name & Number CARLSON FEDERAL #4

Operator DOYLE HARTMAN, P.O. BOX 10426, MIDLAND, TEXAS 79702

Location UNIT P OF SEC. 23, T-25-S, R-37-E.

County 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)
485	485	1/4	0.44	2.13	2.13
960	475	3/4	1.31	6.22	8.35
1460	500	1 1/2	2.62	13.10	21.45
1960	500	1 3/4	3.05	15.25	36.70
2453	493	1	1.75	8.62	45.32
2920	467	1 1/4	2.18	10.18	55.50
3381	461	1/2	0.87	4.01	59.51
3713	322	1/4	0.44	1.46	60.97
3800	87	1/4	0.44	0.38	61.35

Drilling Contractor: Tahoe Drilling Company

By: W. C. Hill

Subscribed and sworn to before me this 24th day of SEPTEMBER, 19 85.

Diane D. Hiers

Notary Public

Commission Expires: 9-17-88 Midland County, Texas

SEP 2 4 1985

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