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March 1, 1967

Mr. Wendell Cook
T. F. Hodge
901 W. Missouri
Midland, Texas

Dear Mr. Cook:

Following is a list of deviations surveys taken while drilling your
Tenneco State No. 1 well, Section 31, T-11-S, R-34-E, Lea County,
New Mexico.

<u>DEPTH</u>	<u>INCLINATION</u>	<u>DISPLACEMENT</u>	<u>CUMULATIVE DISPLACEMENT</u>
375	1/2 Degree	3.28	3.28
875	1 Degree	8.71	11.99
1398	1 1/2 Degrees	13.70	25.69
1860	3/4 Degrees	5.26	30.95
1890	3/4 Degrees	1.18	32.13
2413	1/2 Degree	4.56	36.69
2935	1 Degree	9.11	45.80
3520	2 Degrees	20.43	66.23
3595	1 3/4 Degrees	0.23	66.46
3960	1/2 Degree	0.57	67.03
4560	1 1/2 Degrees	15.71	82.74
4873	3/4 Degrees	4.10	86.84
5307	1 1/2 Degrees	11.36	98.20
5589	1/2 Degree	2.46	100.66
6100	1/4 Degree	2.23	102.89
6795	1 Degree	12.13	115.02
6989	1 Degree	3.39	118.41
7450	3/4 Degrees	6.03	124.44
7703	1/2 Degree	2.21	126.65
8035	1 1/2 Degrees	8.69	135.34
8210	1 1/4 Degrees	3.82	139.16
8427	2 Degrees	7.58	146.74
8664	3/4 Degrees	3.10	149.84
8819	1 3/4 Degrees	4.74	154.58
8930	1 3/4 Degrees	3.39	157.97

T. F. HODGE
901 West Missouri
MIDLAND, TEXAS 79701

Mr. Wendell Cook

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<u>DATE</u>	<u>INCLINATION</u>	<u>DIAPHRAGMATIC</u>	<u>DISPERMATIVE</u>
9039	1 1/2 Degrees	2.85	160.62
9197	1 3/4 Degrees	4.03	165.65
9321	1 Degree	2.16	167.81
9557	1 3/4 Degrees	7.21	175.92
10154	1 1/2 Degrees	15.63	190.65
10336	1 1/4 Degrees	3.97	194.62

I certify the above to be true and complete to the best of my knowledge.

Richard L. Robinson
Richard L. Robinson
Vice President

Subscribed and sworn to before me, this 1st day of March, 1967.

Wanda Harris

T. F. HODGE
901 West Missouri
MIDLAND, TEXAS 79701