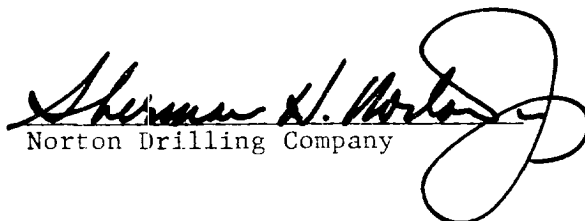


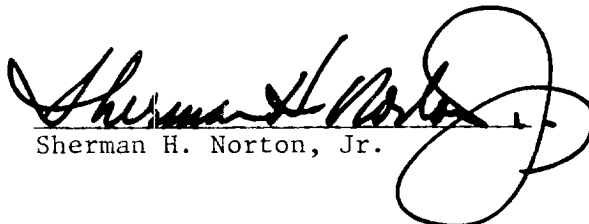
Deviation surveys taken on Chi Operating's Long #1 well in Lea County,
New Mexico: *1214/ S & 368/W 11-22-37*

<u>Depth</u>	<u>Degree</u>
410	.75
910	1.00
1327	1.25
1416	.50
1910	.75
2410	.75
2876	1.50
3351	1.00
3853	1.00
4380	1.00
4700	1.00

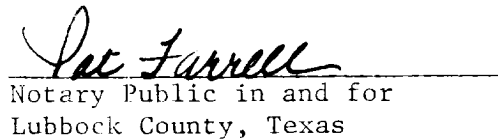
I hereby certify that I have personal knowledge of the facts placed
on this sheet and that such information given above is true and complete.


Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared
Sherman H. Norton, Jr., known to me to be the person whose name is
subscribed hereto, who, after being duly sworn, on oath states that he
is the drilling contractor of the well identified in this instrument
and that such well was not intentionally deviated from the vertical
whatsoever.


Sherman H. Norton, Jr.

SWORN AND SUBSCRIBED TO before me this 16th day of August 1988.


Notary Public in and for
Lubbock County, Texas

My Commission Expires 4-9-92.

RECEIVED

SEP 8 1968

NOBBS OFFICE