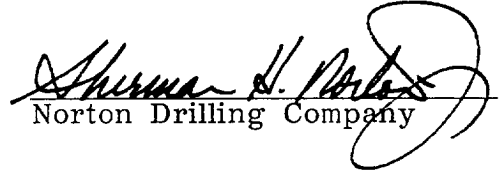


Deviation surveys taken on Shell Western E&P Inc.'s N.E. Drinkard
Unit #514 well in Lea County, New Mexico:

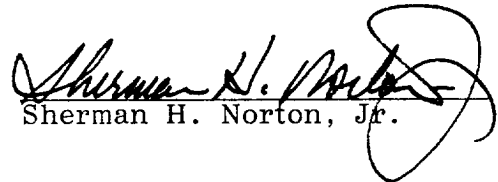
2010/8 + 660/w
10-21-37

<u>Depth</u>	<u>Degree</u>
410	.75
863	1.00
1360	.75
1823	.75
2317	1.50
2468	2.50
2597	2.25
3015	.75
3450	.75
3945	.75
4442	1.00
4934	1.25
5552	1.00
6830	1.25
6320	1.25

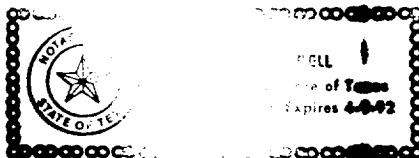
I hereby certify that I have personal knowledge of the facts placed
on this sheet and that such information given above is true and
complete.

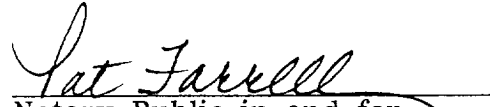

Norton Drilling Company

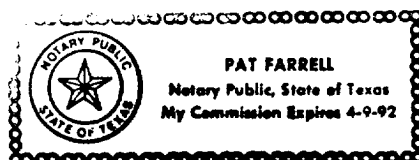
Before me, the undersigned authority, on this day personally appeared
Sherman H. Norton, Jr., known to me to be the person whose name is
subscribed hereto, who, after being duly sworn, on oath states that he
is the drilling contractor of the well identified in this instrument and
that such well was not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


Sherman H. Norton, Jr.

SWORN AND SUBSCRIBED TO before me this 1st day of March 1991.




Notary Public in and for
Lubbock County, Texas.



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MAY 24 1991

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