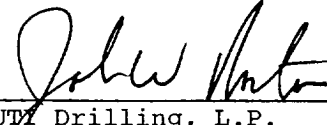


Deviation surveys taken on The Wiser Oil Company's Caswell #1 well in
Lea County, New Mexico:

<u>Depth</u>	<u>Degree</u>
476	.75
720	.50
1312	.25
1813	.50
2315	.50
2849	1.25
3095	.50
3597	1.00
3976	1.25
4500	.50

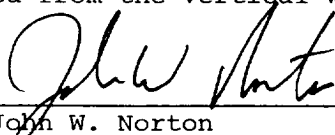
Unit M 33-16s-32e
660/s 4 560/w
30-025-34984

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.



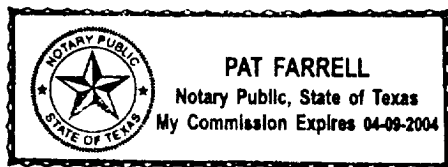
UTM Drilling, L.P.

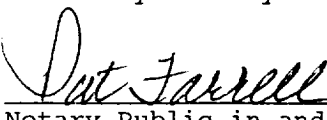
Before me, the undersigned authority, on this day personally appeared
John W. Norton, known to me to be the person whose name is subscribed
hereto, who, after being duly sworn, on oath states that he is the
drilling contractor of the well identified in this instrument and that
such well was not intentionally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



John W. Norton

SWORN AND SUBSCRIBED TO before me this 25th day of July 2000.





Notary Public in and for
Lubbock County, Texas.