

Deviation surveys taken on Texaco E&P Inc.'s J. R. Phillips #16 well in
Lea County, New Mexico:

<u>Depth</u>	<u>Degree</u>
244	.25
603	.50
1113	.00
1328	.75
1828	1.00
1983	1.00
2167	1.00
2420	1.00
2700	1.00
2948	1.00
3413	1.00
3883	1.00
4358	2.00
4453	1.75
4579	1.75
4892	1.50
5258	1.00
5351	1.00
5506	.75
5818	1.25
5942	1.00
6221	3.50
6287	3.00
6535	.50
6815	.50
7314	.75
7820	.25

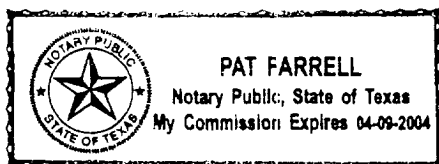
I hereby certify that I have personal knowledge of the facts placed on
this sheet and that such information given above is true and complete.

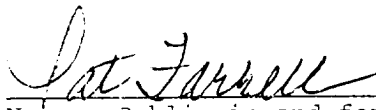

Patterson-UTI Drilling Co.

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 26th day of June 2001.




Notary Public in and for
Lubbock County, Texas.