

Deviation surveys taken on Shahara Oil Company's Phillips State #11 well in  
Lea County, New Mexico: Unit M 16-175-332

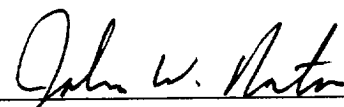
Depth	Degree
231	.25
558	.75
997	.50
1495	.75
1990	1.00
2456	.50
2952	.75
3452	1.25
3671	.50
4171	1.50
4484	1.25
4950	1.00

1305/S & 1301/W  
30-025-34092

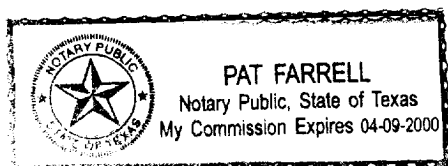
I hereby certify that I have personal knowledge of the facts placed on this  
sheet and that such information given above is true and complete.

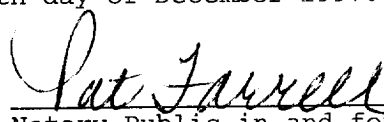
  
Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared 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 17th day of December 1997.



  
Notary Public in and for  
Lubbock County, Texas.