

Deviation surveys taken on Spence Energy's Federal 25 #1 well in  
Lea County, New Mexico:

<u>Depth</u>	<u>Degree</u>
400	.75
1357	.75
2268	.25
3110	.50
3665	.25
4489	.50
5114	.75
6030	.50
7017	1.00
7982	1.00
8076	1.00
8978	.75
9070	.75
9816	1.25
11,300	.25
11,124	.75
11,290	.25
11,614	1.00
11,650	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.

David W. Ridley  
Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared  
David W. Ridley, 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.

David W. Ridley  
David W. Ridley

SWORN AND SUBSCRIBED TO before me this 20th day of June 1985.

Pat Farrell  
Notary Public in and for  
Lubbock County, Texas.

My Commission Expires: 4-9-88