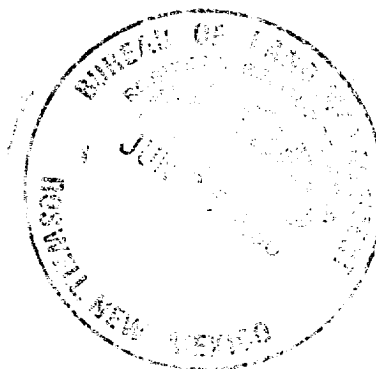


Deviation surveys taken on Plains Petroleum Company's FSA #1814 well
in Roosevelt County, New Mexico:

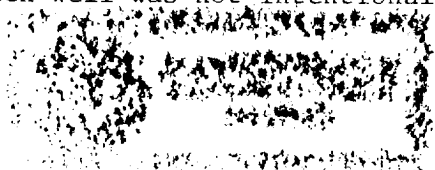
<u>Depth</u>	<u>Degree</u>
479	1.00
969	1.00
1439	.75
1938	1.00
2350	1.25
2846	1.00
3189	1.00
3661	1.75
4037	1.25
4437	1.00
4925	1.25



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.

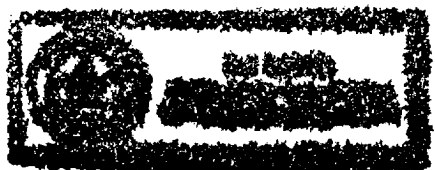
Howard Norton
Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared
S. Howard 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.



S. Howard Norton
S. Howard Norton

SWORN AND SUBSCRIBED TO before me this 25th day of May 1990.



Pat Farrell

RECEIVED MAY 29 1990