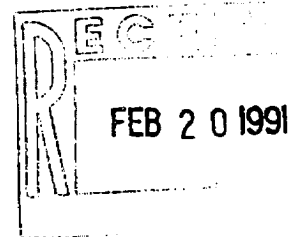


New file

Deviation surveys taken on BHP Petroleum's Puffer State #1 well in
Chaves County, New Mexico:

<u>Depth</u>	<u>Degree</u>
375	.50
645	.25
998	.25
1143	.50
1600	1.00
2108	1.25
2575	.75
3043	1.00
3552	1.25
4049	.00
4585	.25
5026	.50
5491	1.00
5992	1.50
6470	1.25
6810	2.25



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O. C. D.
ARTESIA, OFFICE

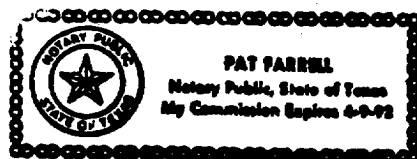
I hereby certify that I have personal knowledge of the facts placed
on this sheet and that such information given above is true and
complete.

S. 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 18th day of February 1991.



Pat Farrell
Notary Public in and for
Lubbock County, Texas