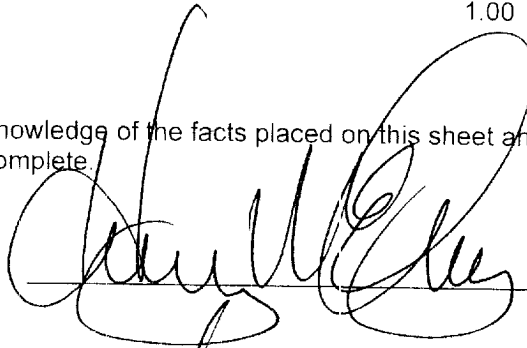


Deviation survey taken on Apache Corporation's Livingston 19 well in Lea County, New Mexico:

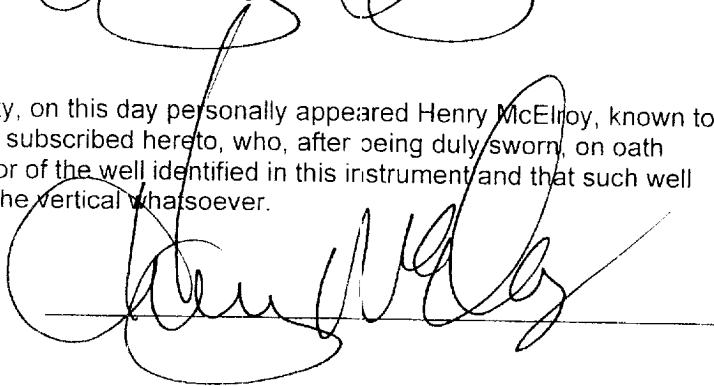
<u>Depth</u>	<u>Deviation</u>
311	0.50
635	0.50
858	0.75
1197	0.25
1490	0.75
1763	0.75
2192	1.00
2436	1.50
2623	1.50
2879	1.00
3349	0.75
3848	1.25
4346	1.00
4450	1.00

I-4-215-37e
3630/N & 810/E
30-025-35341

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.



Before me, the undersigned authority, on this day personally appeared Henry McElroy, 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.



SWORN AND SUBSCRIBED TO before me this 26th day of February, 2001.

