

WELL NAME AND NUMBER SEVEN RIVERS QUEEN UNIT #77-9  
LOCATION LEA COUNTY, NEW MEXICO 1570/8 + 1650/E  
(Give Unit, Section, Township and Range)  
OPERATOR ARCO OIL & GAS CO.  
DRILLING CONTRACTOR TINSLEY & SON DRILLING CORP.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation test and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/2 310</u>	<u>                    </u>	<u>                    </u>
<u>3/4 782</u>	<u>                    </u>	<u>                    </u>
<u>3/4 1281</u>	<u>                    </u>	<u>                    </u>
<u>1/2 1806</u>	<u>                    </u>	<u>                    </u>
<u>3/4 2224</u>	<u>                    </u>	<u>                    </u>
<u>1 2724</u>	<u>                    </u>	<u>                    </u>
<u>1 1/4 3238</u>	<u>                    </u>	<u>                    </u>
<u>3/4 3850</u>	<u>                    </u>	<u>                    </u>
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Drilling Contractor TINSLEY & SON DRILLING CORP.  
By NEIL TINSLEY

Subscribed and sworn to before me this 23rd day of JANUARY, 19 90  
PAULA SADDLER  
Notary Public

My Commission Expires: 9/18/90 ECTOR TEXAS  
County State