

WELL NAME AND NUMBER Barbara Federal #4LOCATION Section 17, T-19-S, R-25-E, Eddy County, New Mexico
(New Mexico give U, S, T & R; Texas give S, Blk., Sur. & Twp. when required)OPERATOR Roger C. HanksDRILLING CONTRACTOR McVay Drilling Company

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 tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>3° 3990</u>	<u>1° 4696</u>	<u>2½° 5896</u>	<u> </u>
<u>4½° 4020</u>	<u>7° 4711</u>	<u>1½° 6055</u>	<u> </u>
<u>4½° 4067</u>	<u>7° 4774</u>	<u>1½° 6199</u>	<u> </u>
<u>4 3/4° 4160</u>	<u>7° 4830</u>	<u>1½° 6354</u>	<u> </u>
<u>5° 4262</u>	<u>6½° 4868</u>	<u>1° 6666</u>	<u> </u>
<u>5° 4345</u>	<u>6° 4962</u>	<u>2½° 7355</u>	<u> </u>
<u>5° 4440</u>	<u>5½° 5055</u>	<u>1° 7540</u>	<u> </u>
<u>5½° 4534</u>	<u>5½° 5180</u>	<u>3/4° 7930</u>	<u> </u>
<u>3/4° 4558</u>	<u>4 3/4° 5273</u>	<u> </u>	<u> </u>
<u> 4568</u>	<u>4½° 5364</u>	<u> </u>	<u> </u>
<u>3/4° 4587</u>	<u>4° 5461</u>	<u> </u>	<u> </u>
<u>6° 4596</u>	<u>3½° 5555</u>	<u> </u>	<u> </u>
<u>½° 4614</u>	<u>3½° 5647</u>	<u> </u>	<u> </u>
<u>6 3/4° 4649</u>	<u>2 3/4° 5773</u>	<u> </u>	<u> </u>

Drilling Contractor McVay Drilling CompanyBy Jim McVaySubscribed and sworn to before me this 1st day of May, 1975

My Commission Expires:

February 14, 1979

Notary Public

County, New Mexico

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U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO