

WELL NAME AND NUMBER Tonkin Federal #5

LOCATION 1955' FSL & 510' FEL, Sec. 18-T24N-R3W, Rio Arriba County, New Mexico  
(New Mexico give U, S, T, & R; Texas give S, Blk., Sur. & Twp. when required.)

OPERATOR Arco Oil & Gas Company

DRILLING CONTRACTOR Aztec Well Servicing Company, Inc.

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:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1 1/2° @ 510'</u>	<u>2° @ 2569'</u>		
<u>3° @ 520'</u>	<u>1 1/2° @ 3035'</u>		
<u>3° @ 550'</u>	<u>1 1/2° @ 3559'</u>		
<u>3° @ 581'</u>	<u>1 1/2° @ 4057'</u>		
<u>3° @ 611'</u>	<u>1 1/4° @ 4525'</u>		
<u>3° @ 649'</u>	<u>1 3/4° @ 4742'</u>		
<u>3° @ 681'</u>	<u>1 3/4° @ 5053'</u>		
<u>2 3/4° @ 736'</u>	<u>1 1/2° @ 5550'</u>		
<u>2 3/4° @ 795'</u>	<u>1° @ 6044'</u>		
<u>2° @ 885'</u>	<u>1° @ 6500'</u>		
<u>2° @ 1131'</u>	<u>1 3/4° @ 7215'</u>		
<u>1 3/4° @ 1379'</u>	<u>1° @ 7630'</u>		
<u>1° @ 1541'</u>			
<u>2 1/4° @ 2058'</u>			
<u>2° @ 2509'</u>			

Drilling Contractor Aztec Well Servicing Co.

By Richard Petrone

Subscribed and sworn to before me this 12 day of January, 1987

Notary Public

My Commission Expires:

County, N.M.

