

WELL NAME . D NUMBER Joyce Federal Co #1 100000  
 LOCATION Sec. 32, T19S, R25E, Eddy County, New Mexico  
 (Give Unit, Section, Township and Range)  
 OPERATOR Conoco, Inc.  
 DRILLING 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
<u>3/4 307</u>	<u>2 3/4 5067</u>	<u>                    </u>
<u>1 1/4 614</u>	<u>3 5193</u>	<u>                    </u>
<u>1 793</u>	<u>3 5318</u>	<u>                    </u>
<u>1 3/4 1105</u>	<u>2 1/4 5418</u>	<u>                    </u>
<u>1 3/4 1634</u>	<u>2 1/2 5644</u>	<u>                    </u>
<u>1 1/2 2063</u>	<u>1 3/4 5779</u>	<u>                    </u>
<u>1 1/4 2527</u>	<u>1 1/4 6181</u>	<u>                    </u>
<u>3/4 2973</u>	<u>2 1/2 6652</u>	<u>                    </u>
<u>3/4 3409</u>	<u>1 3/4 6809</u>	<u>                    </u>
<u>1/4 3843</u>	<u>1 1/2 7181</u>	<u>                    </u>
<u>1/2 4192</u>	<u>2 7649</u>	<u>                    </u>
<u>1 1/2 4475</u>	<u>1 1/4 8150</u>	<u>                    </u>
<u>2 4693</u>	<u>                    </u>	<u>                    </u>
<u>2 1/4 4819</u>	<u>                    </u>	<u>                    </u>
<u>2 1/2 4943</u>	<u>                    </u>	<u>                    </u>

Drilling Contractor: McVay Drilling Company

By: John W. Ryan Jr.

Subscribed and sworn to before me this 17th day of January, 1995

Jane Fleming  
 Notary Public

My Commission Expires: 8-16-97 Lea County New Mexico