

WELL Federal 12 #1

LOCATION 12-22S-31E Eddy County, NM

(Give Unit, Section, Township, And Range)

OPERATOR Pogo P. O. Box 2504 Houston, TX 77252

DRILLING CONTRACTOR Exeter 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:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1 1/2 281'</u>	<u>3 4,040'</u>	
<u>3/4 650'</u>	<u>2 3/4 4,160'</u>	
<u>1 3/4 828'</u>	<u>2 1/4 4,225'</u>	
<u>1 1/2 1,339'</u>	<u>2 1/4 4,325'</u>	
<u>1 1/2 1,834'</u>	<u>1/4 4,840'</u>	
<u>1 1/2 2,334'</u>	<u>1 3/4 5,340'</u>	
<u>1 3/4 2,829'</u>	<u>1 1/4 5,860'</u>	
<u>1 3/4 3,079'</u>	<u>3/4 6,357'</u>	
<u>1 1/2 3,339'</u>	<u>1 3/4 6,860'</u>	
<u>3 3,482'</u>	<u>1 3/4 7,349'</u>	
<u>3 1/4 3,513'</u>	<u>1 3/4 7,845'</u>	
<u>4 3,573'</u>	<u>1 3/4 8,345'</u>	
<u>3 3/4 3,636'</u>	<u>1 3/4 8,439'</u>	
<u>4 3,698'</u>		
<u>3 3/4 3,800'</u>		
<u>2 1/2 3,855'</u>		
<u>3 1/4 3,918'</u>		
<u>2 1/2 3,978'</u>		

Drilling Contractor EXETER DRILLING CO.

By BB Lange

Bob Lange, Drilling Engineer-Southern Div

Subscribed and sworn to before me this 10th day of July, 1991.



SHERRI K. MERKET
Notary Public State of Texas
My Commission Expires Mar 10, 1994

Notary Public Sherri K. Merket

Sherri K. Merket

My commission expires: 3-10-94

Midland County, Texas