

WELL NAME AND NUMBER Murphy Federal No. 1

LOCATION 660/S 1980/E Section 12, T20S, R27E, Eddy County, New Mexico  
(New Mexico give U.S.T&R: Texas give S, BLK, SURV. and TWP)

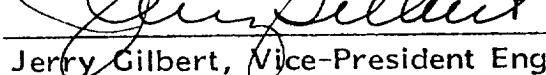
OPERATOR Boyd Operating Company

DRILLING CONTRACTOR MORANCO

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 and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>1/2 500</u>	<u>2 1/2 3501</u>	<u>1 3/4 6477</u>	<u>1 11,100</u>
<u>1/2 600</u>	<u>2 3618</u>	<u>1 1/2 6824</u>	
<u>2 1037</u>	<u>2 1/4 3805</u>	<u>1 7302</u>	
<u>1 1203</u>	<u>2 1/2 4001</u>	<u>3/4 7658</u>	
<u>1 1/4 1414</u>	<u>1 1/2 4308</u>	<u>1 8182</u>	
<u>1 1572</u>	<u>1 4599</u>	<u>3/4 8676</u>	
<u>3/4 1833</u>	<u>1 1/4 4780</u>	<u>3/4 9148</u>	
<u>3/4 2296</u>	<u>3/4 5220</u>	<u>1 9374</u>	
<u>3/4 2800</u>	<u>3/4 5385</u>	<u>1 1/4 9761</u>	
<u>2 1/2 3117</u>	<u>3/4 5849</u>	<u>1 1/4 10,138</u>	
<u>2 3/4 3243</u>	<u>2 6046</u>	<u>1 1/4 10,515</u>	
<u>2 3/4 3368</u>	<u>2 6195</u>	<u>1 10,892</u>	

Drilling Contractor MORANCO

By   
Jerry Gilbert, Vice-President Engineering

Subscribed and sworn to before me this 2nd day of March 19 79

