

WELL NAME AND NUMBER EMPIRE SOUTH DEEP 1 WT No. 12

LOCATION Section 5, T-17-S, R-29-E, Eddy County, New Mexico
(New Mexico give U, S, T & R; Texas give S, T, R, Sur. & Tap. When required)

OPERATOR Amoco Production Company

DRILLING CONTRACTOR SHARP DRILLING Co. 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:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>1/2 172</u>	<u>1 1/4 5144</u>	<u>2 1/2 7233</u>	<u> </u>
<u>3/4 430</u>	<u>2 1/4 5214</u>	<u>2 3/4 7327</u>	<u> </u>
<u>1 3/4 806</u>	<u>2 3/4 5777</u>	<u>2 7513</u>	<u> </u>
<u>1 1151</u>	<u>3 5928</u>	<u>1 3/4 7796</u>	<u> </u>
<u>3/4 1248</u>	<u>3 1/2 6083</u>	<u>1 8030</u>	<u> </u>
<u>1/2 2118</u>	<u>3 1/2 6208</u>	<u>3/4 8485</u>	<u> </u>
<u>1/2 2526</u>	<u>3 3/4 6280</u>	<u>3/4 8955</u>	<u> </u>
<u>3/4 2890</u>	<u>3 3/4 6356</u>	<u>1 9280</u>	<u> </u>
<u>3/4 2980</u>	<u>4 1/2 6543</u>	<u>1 9701</u>	<u> </u>
<u>1 3362</u>	<u>4 1/2 6606</u>	<u>1 10169</u>	<u> </u>
<u>1 3785</u>	<u>4 6669</u>	<u>1/2 10390</u>	<u> </u>
<u>3/4 4019</u>	<u>3 1/2 6826</u>	<u>1/4 11160</u>	<u> </u>
<u>3/4 4457</u>	<u>3 1/4 6889</u>	<u> </u>	<u> </u>
<u>1 4875</u>	<u>2 3/4 7077</u>	<u> </u>	<u> </u>

Drilling Contractor SHARP DRILLING Co. Inc.

By R. E. Cramer

Subscribed and sworn to before me this 1 day of FEBRUARY 19 77

Not. Buchanan
Notary Public

My Commission Expires:
JUNE 1, 1977

MIDLAND County, TEXAS