

WELL NA AND NUMBER Lovelace No. 1
LOCATION Section 27, T-22-S, R-27-E, Eddy Co., NM
(New Mexico give U, S, T & R; Texas give S, Blk., Surf. & Twp. when required)
OPERATOR Santa Fe Energy 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° 168'</u>	<u>1° 2804'</u>	<u>2° 8191'</u>	
<u>1 348</u>	<u>1 3211</u>	<u>1 1/2 8691</u>	
<u>1/2 520</u>	<u>3/4 3750</u>	<u>1 8969</u>	
<u>1/2 800</u>	<u>1 1/4 4220</u>	<u>1 9472</u>	
<u>1/4 1083</u>	<u>1/2 4533</u>	<u>3 10149</u>	
<u>1 3/4 1394</u>	<u>1 4950</u>	<u>2 1/2 10320</u>	
<u>3 1/2 1771</u>	<u>1/4 5570</u>	<u>2 11102</u>	
<u>3 1863</u>	<u>3/4 5608</u>	<u>1 3/4 12010</u>	
<u>3 1/4 1940</u>	<u>1 5747</u>	<u>1 3/4 12120</u>	
<u>2 1/4 2003</u>	<u>1 1/2 6073</u>		
<u>1 3/4 2099</u>	<u>1 3/4 6402</u>		
<u>1 1/2 2177</u>	<u>1 1/2 6896</u>		
<u>1 1/4 2378</u>	<u>3/4 7419</u>		
<u>1 2618</u>	<u>3/4 7925</u>		

Drilling Contractor Sharp Drilling Co., Inc.

By Robert V. Straugh

Subscribed and sworn to before me this 19 day of December 19 81

Pat Buchanan
Notary Public

My Commission Expires:

6-30-88

Midland County, Texas