

WELL NAME AND NUME Shinnery 14 Feder. #2 - P

LOCATION 330' FSL & 660' FEL, Section 14, T-18S, R-32E, Lea County, New Mexico
(New Mexico give U.S.T.&R. - Texas give S, BLK, SURV. and TWP)

OPERATOR Santa Fe Energy Operating Partners, L.P.

DRILLING CONTRACTOR MORANCO Drilling, 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:

<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>1/4 435</u>	<u>1 1/4 5820</u>	<u>0 8653</u>	
<u>1/4 900</u>	<u>1 1/4 6312</u>	<u>3/4 8960</u>	
<u>3/4 1400</u>	<u>2 6750</u>	<u>3/4 9250</u>	
<u>1 1913</u>	<u>1 7266</u>	<u>3/4 9551</u>	
<u>1 1/4 2368</u>	<u>1 7507</u>	<u>1/4 9646</u>	
<u>2 3/4 2750</u>	<u>2 7629</u>	<u>1/4 9931</u>	
<u>1 1/2 2970</u>	<u>1 1/4 7730</u>		
<u>1 1/2 3497</u>	<u>3/4 7846</u>		
<u>1 3962</u>	<u>1 1/2 7971</u>		
<u>1 4460</u>	<u>1 3/4 8120</u>		
<u>3/4 4952</u>	<u>0 8284</u>		
<u>1/2 5447</u>	<u>1/4 8345</u>		

Drilling Contractor MORANCO Drilling, Inc.

By Wiley Gilmore
Wiley Gilmore, Marketing Manager

Subscribed and sworn to before me this 4th day of April 19 89

My Commission expires:
September 13, 1992

Virginia G. Perry
Notary Public
Lea County, New Mexico