

WELL NAME AND NUMBER Kachina 8 Fed. #3LOCATION Section 8, T18S, R33E, Lea County, New Mexico
(Give Unit, Section, Township and Range)1980/N 31984/EOPERATOR Santa Fe Energy Operating Partners, L.P.DRILLING CONTRACTOR McVay 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>1/2 245</u>	<u>2 5385</u>	<u>1 1/4 8308</u>
<u>3/4 475</u>	<u>2 5679</u>	<u>1 1/4 8553</u>
<u>3/4 978</u>	<u>3 5900</u>	<u>1 1/4 8802</u>
<u>1/2 1446</u>	<u>3 6074</u>	<u>1 1/4 9049</u>
<u>1/4 1972</u>	<u>3 6230</u>	<u>1 9380</u>
<u>3/4 2473</u>	<u>3 1/4 6383</u>	<u>1 1/2 9732</u>
<u>2 2847</u>	<u>3 1/4 6543</u>	<u>1 10,180</u>
<u>3/4 3110</u>	<u>3 6699</u>	<u>3/4 10,351</u>
<u>1 1/2 3163</u>	<u>3 6887</u>	<u>1/4 10,760</u>
<u>2 1/2 3443</u>	<u>2 1/2 7072</u>	<u>1 1/4 11,525</u>
<u>1 3/4 3610</u>	<u>2 3/4 7258</u>	
<u>1 1/4 3818</u>	<u>2 3/4 7444</u>	
<u>1 1/2 4288</u>	<u>2 3/4 7627</u>	
<u>1 1/2 4700</u>	<u>2 1/2 7810</u>	
<u>2 5200</u>	<u>1 1/2 8075</u>	

Drilling Contractor McVay Drilling CompanyBy: Joe WilsonSubscribed and sworn to before me this 30th day of December, 19 92Yekhi Blake

Notary Public

My Commission Expires: 8/24/96Lea County New Mexico