WELL NAME AND NUMBER	ig#4 Shinnery 14 Fed No. 5	
	T18S, R32E, Lea County Section, Township and Range)	
OPERATOR <u>Santa</u> Fe Er	nergy 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:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
1/4 395	1/4 4,823	
1/4 884	1/2 5,321	
1 1,358	1/4 5,798	·····
1/4 1,733	1/4 5,939	
1/2 1,941	3/4 6,190	
3/4 2,180	1-3/4 6,439	
1-1/4 2,431	2-3/4 6,720	
1-3/4 2,525	1-1/2 6,939	
2 2,619	1 7,218	······
2 2,744	1/2 7,535	· · · · · · · · · · · · · · · · · · ·
1-1/2 2,889	1/2 7,830	
1-1/2 3,140	1 8,019	
3/4 3,330	1-1/4 8,301	
3/4 3,823	1-1/4 8,429	
3/4 4,323	1 8,782	

	Drilling Contractor <u>McVay Drilling Company</u>
	By: Jan Duger In-
Subscribed and sworn to before me	this 28 day of November, 1989
•	Kulles Courtricht 9618
	(Notary Public 12
My Commision Expires: <u>12/27/91</u>	Lea County New Mexico
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