

Deviation surveys taken on Santa Fe Energy Resources' Gaucho Unit #4 well
in Lea County, New Mexico:

Unit G

20-22-34

1650'N + 2310'E

<u>Depth</u>	<u>Degree</u>
170	1.00
456	.50
686	.25
948	.25
1230	.25
1480	.50
2171	.50
2514	.75
2945	2.25
3107	2.75
3218	3.25
3320	3.50
3479	3.50
3578	4.00
3685	3.25
3779	2.75
3805	2.75
3930	2.00
4203	1.50
4300	1.00
4641	1.00
5138	.75
5642	.50
6139	.75
6640	.00
7130	.50
7629	.50
8125	1.00
8589	.75
9060	.50
9456	1.00
9945	1.50
10,397	1.00
10,891	1.25
11,239	1.25
11,870	.25
12,634	.50
13,075	.75
13,440	1.00

I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.


Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared John W. Norton, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor