

Maximum cumulative horizontal deflection calculated from deviation survey readings.

COMPANY: Coastal States Gas Producing Company
 WELL NAME: Gulf State #1
 LEGAL DESCRIPTION: 1980 FNL & 2310 FWL, Sec. 20, T-17S, R-36E, Lea County, New Mexico

<u>DEPTH</u>	<u>DEGREES</u>	<u>HORIZONTAL DEFLECTION</u>	<u>CUMMULATIVE</u> <u>HORIZONTAL DEFLECTION</u>
<u>FT.</u>		<u>FT.</u>	<u>FT.</u>
59	1/4	0.257	0.257
360	1/2	2.628	2.885
884	1/4	2.285	5.170
1530	1/2	5.640	10.810
1988	1/2	3.998	14.808
2778	3/4	7.181	21.989
3320	1-3/4	16.552	38.541
3525	2-1/4	8.048	46.589
4000	1-3/4	14.506	61.095
4560	3/4	5.090	66.185
4834	1-1/2	7.173	73.358
5050	1-1/2	5.655	79.013
5366	1-1/2	8.273	87.286
5575	1	3.647	90.933
5862	1	5.008	95.941
6310	1-1/4	9.771	105.712
6552	1	4.223	109.935
6741	1-1/2	4.948	114.883
7500	3	39.726	154.609
7670	3	8.898	163.507
7730	3	3.140	166.647
8161	2	1.504	168.151
8262	2-3/4	4.846	172.997
8370	2-1/2	4.711	177.708
8440	2-3/4	3.359	181.067
8533	2-1/2	4.057	185.124
8600	2-3/4	3.215	188.339
8680	3	4.187	192.526
8810	3-1/4	7.371	199.897
8877	3	3.507	203.404
8914	3	1.937	205.341
9000	3-3/4	5.625	210.966
9070	3-3/4	4.579	215.545
9190	3-3/4	7.849	223.394