

Oct 17 3 43 PM '63

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 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

OCT 17 3 43 PM '63

The above deviation surveys are accurate and true to the best of my knowledge.



H. C. LILE

Drilling Supt.

STATE OF TEXAS)
)
COUNTY OF ECTOR)

BEFORE ME, the undersigned, a Notary Public in and for said county and State on this day personally appeared H. C. Lile, known to me to be the person whose name is subscribed to the foregoing instrument as Drilling Supt. for Loffland Brothers Company, a corporation, and acknowledged to me that he executed the same for the purpose and consideration therein expressed, in the capacity stated, and as the act and deed of said corporation.

GIVEN under my hand and seal of office this 3rd day of September, A.D., 1963.


Notary Public in and for
Ector County, Texas

My Commission Expires: 6-1-65