

30-025-31689

## COLUMBIA GAS DEVELOPMENT CORPORATION

CAVE ESTATE '27' #1  
K SEC.27-T14S-R38E  
LEA COUNTY, NEW MEXICO

2292/84 W

DEVIATION SURVEY INFORMATION

|                | <u>DEPTH</u> | <u>DEVIATION</u> |
|----------------|--------------|------------------|
| WIRELIN SURVEY | 225'         | 1/4°             |
|                | 510'         | 1/2°             |
|                | 1013'        | 1°               |
|                | 1512'        | 1-1/4°           |
|                | 2012'        | 3/4°             |
|                | 2136'        | 1/2°             |
|                | 2704'        | 3/4°             |
|                | 3237'        | 1/2°             |
|                | 3519'        | 3/4°             |
|                | 4018'        | 1°               |
|                | 4268'        | 3/4°             |
|                | 4644'        | 1°               |
|                | 4898'        | 1°               |
|                | 5398'        | 3/4°             |
|                | 5903'        | 1-1/4°           |
|                | 6250'        | 1-1/4°           |
|                | 6657'        | 3/4°             |
|                | 6987'        | 3/4°             |
|                | 7468'        | 3/4°             |
|                | 7789'        | 3/4°             |
|                | 8280'        | 1-1/4°           |
|                | 8665'        | 1-1/4°           |
|                | 9148'        | 1°               |
|                | 9225'        | 1-1/2°           |
|                | 9376'        | 1°               |
|                | 9636'        | 1°               |
|                | 9850'        | 1°               |

I hereby certify that this report was prepared by me and the data stated therein is true, correct, and complete, to the best of my knowledge.

Wendy G. DesOrmeaux  
Wendy G. DesOrmeaux, Regulatory Coordinator

11/25/92  
Date

STATE OF TEXAS  
COUNTY OF HARRIS

SUBSCRIBED AND SWORN to before me this 25th day of November, 1992.

Adela Zarala  
Notary Public

My commission expires

the 64 day of

May, 1995