

WELL NAME AND NUMBER Empire State SWD #2

30-015-37787

LOCATION Section 9, T17S, R29E, 1980 ENL, 1980 FWL, Eddy County

OPERATOR COG Operating LLC

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth
1.2 @ 210'
1.9 @ 447'
1.4 @ 652'
1.6 @ 820'
1.3 @ 939'
0.9 @ 1066'
0.1 @ 1193'
0.4 @ 1315'
0.5 @ 1734'
0.8 @ 2020'
0.9 @ 2234'
1.5 @ 2457'
0.7 @ 2683'
0.5 @ 2937'
1.0 @ 3112'
1.0 @ 3254'

Degrees @ Depth
0.7 @ 3469'
0.3 @ 3668'
0.3 @ 3890'
0.9 @ 4281'
0.2 @ 4421'
0.4 @ 4634'
0.5 @ 5034'
0.2 @ 5520'
0.3 @ 5658'
0.6 @ 5922'
0.9 @ 6068'
1.0 @ 6134'
0.9 @ 6293'
1.1 @ 6525'
0.5 @ 6652'
0.8 @ 6937'

Degrees @ Depth
1.4 @ 7182'
0.9 @ 7277'
1.4 @ 7405'
1.0 @ 7542'
1.8 @ 7669'
2.1 @ 7722'
2.5 @ 7844'
2.0 @ 7954'
3.5 @ 8050'
2.5 @ 8176'
3.4 @ 8257'
2.4 @ 8305'
3.8 @ 8788'

Drilling Contractor- UNITED DRILLING, INC.

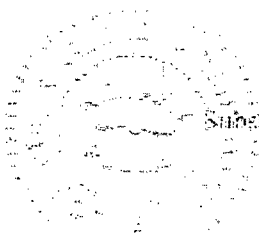
By:

Luisa Noriega
(Luisa Noriega)

Title:

Assistant Office Manager

Subscribed and sworn to before me this 18th day of August, 2010.



Charles Martin
Notary Public

Charles Martin
County State

My Commission Expires: 10-8-12