

**RECEIVED**

OCT 21 2010

**NMOCD ARTESIA**WELL NAME AND NUMBER Empire State SWD #2LOCATION Section 9, T17S, R29E, 1980 FNL, 1980 FWL, Eddy CountyOPERATOR COG Operating LLCDRILLING 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 | Degrees @ Depth | Degrees @ Depth |
|-----------------|-----------------|-----------------|
| 1/2 @ 210'      | 0.7 @ 3469'     | 1.4 @ 7182'     |
| 1.9 @ 447'      | 0.3 @ 3668'     | 0.9 @ 7277'     |
| 1.4 @ 652'      | 0.3 @ 3890'     | 1.4 @ 7405'     |
| 1.6 @ 820'      | 0.9 @ 4281'     | 1.00 @ 7542'    |
| 1.3 @ 939'      | 0.2 @ 4421'     | 1.8 @ 7669'     |
| 0.9 @ 1066'     | 0.4 @ 4654'     | 2.1 @ 7722'     |
| 0.1 @ 1193'     | 0.5 @ 5034'     | 2.5 @ 7844'     |
| 0.4 @ 1515'     | 0.2 @ 5520'     | 2.0 @ 7954'     |
| 0.5 @ 1734'     | 0.3 @ 5658'     | 3.5 @ 8050'     |
| 0.8 @ 2020'     | 0.6 @ 5922'     | 2.5 @ 8176'     |
| 0.9 @ 2234'     | 0.9 @ 6068'     | 3.4 @ 8257'     |
| 1.5 @ 2457'     | 1.0 @ 6134'     | 2.4 @ 8305'     |
| 0.7 @ 2683'     | 0.9 @ 6293'     | 3.8 @ 8788'     |
| 0.5 @ 2937'     | 1.1 @ 6525'     |                 |
| 1.0 @ 3112'     | 0.5 @ 6652'     |                 |
| 1.0 @ 3254'     | 0.8 @ 6937'     |                 |

Drilling Contractor- UNITED DRILLING, INC.By: *Luisa Noriega*  
(Luisa Noriega)Title: Assistant Office ManagerSubscribed and sworn to before me this 18<sup>th</sup> day of August, 2010.*Carlene Martin*  
Notary Public*Chaves* *New Mex*  
County StateMy Commission Expires: 10-8-12