

30-015-38389

WELL NAME AND NUMBER Randall Federal No. 3

LOCATION Section 7, T17S, R30E, 330 FSL, 990 FEL, 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	Degrees @ Depth	Degrees @ Depth
1/2° @ 286'		
1° @ 326'		
1° @ 439'		
1/2° @ 665'		
3/4° @ 901'		
3/4° @ 1290'		
3/4° @ 1804'		
1/2° @ 2301'		
1° @ 2819'		
1° @ 3284'		
0.9° @ 3761'		
1° @ 4237'		
.6° @ 4680'		



Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 13th day of April, 2011.

My Commission Expires: 10/8/12

Celine Martin
Notary Public
Charles NM
County State