

WELL NAME AND NUMBER Dodd Federal Unit No. 587 15-40599
LOCATION Section 14, T17S, R29E, Unit B, 165 FNL, 1600 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
.5° @ 177'	.2° @ 3650'	
.6° @ 270'	.4° @ 3902'	
.9° @ 386'	.3° @ 4123'	
.6° @ 519'	.1° @ 4376'	
1.2° @ 643'	.5° @ 4557'	
1.1° @ 768'		
1.4° @ 894'		
1.1° @ 1004'		
1.1° @ 1158'		
.5° @ 1284'		
.1° @ 1536'		
.1° @ 1788'		
.3° @ 2072'		
.6° @ 2325'		
.3° @ 2578'		
.3° @ 2830'		
.4° @ 3082'		
.5° @ 3334'		

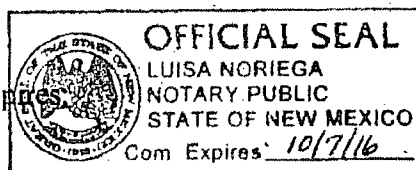
Drilling Contractor- UNITED DRILLING, INC.

By: Angel Salazar
(Angel Salazar)

Title: Vice President

Subscribed and sworn to before me this 13th day of November 2014.

My Commission Expires



Luisa Noriega
Notary Public
Chaves NM
County State