

30-015-41451

WELL NAME AND NUMBER Cadillac State No. 4
 LOCATION Section 15, T17S, R29E, Unit K, 1650 FSL, 1650 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	Degrees @ Depth	Degrees @ Depth
2.2° @ 565'	5.5° @ 3162'	
4.5° @ 800'	5.4° @ 3257'	
4.5° @ 928'	4.1° @ 3352'	
3.8° @ 1022'	2.2° @ 3637'	
3.4° @ 1157'	1.0° @ 3731'	
2.2° @ 1326'	.8° @ 3826'	
2.4° @ 1441'	.9° @ 4393'	
2.3° @ 1755'	1.0° @ 4487'	
2.5° @ 2027'	1.0° @ 4582'	
2.9° @ 2312'	1.2° @ 4866'	
3.3° @ 2503'	1.2° @ 4960'	
3.6° @ 2698'	1.2° @ 5055'	
3.3° @ 2790'	1.1° @ 5339'	
3.5° @ 2857'	1.1° @ 5401'	
2.2° @ 2952'		
2.8° @ 3046'		
2.7° @ 3138'		

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Asst. Office Manager

Subscribed and sworn to before me this 19th day of February 2014.

Carlae Martin
Notary Public
Chaves New Mexico
County State

My Commission Expires: 10/8/16