

30-015-40448



WELL NAME AND NUMBER Blue Duck Federal No. 1H  
 LOCATION Section 30, T16S, R30E, Lot M, 380 FSL, 330 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
.5° @ 143'		
0.0° @ 233'		
.1° @ 345'		
1.0° @ 628'		
2.4° @ 967'		
1.1° @ 1121'		
1.4° @ 1368'		
.2° @ 1797'		
.6° @ 2143'		
.7° @ 2555'		
.2° @ 3007'		
.2° @ 3451'		
.2° @ 3898'		
.2° @ 4342'		

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega  
 (Luisa Noriega)

Title: Asst. Office Manager

Subscribed and sworn to before me this 20<sup>th</sup> day of August, 2012.

Carlene Mathis  
 Notary Public

Chaves New Mexico  
 County State

My Commission Expires: 10/8/12