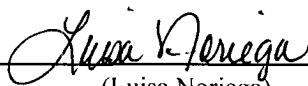


WELL NAME AND NUMBER Dogwood Federal No. 4 30-015-39467
LOCATION Section 25, T17S, R27E, Lot F, 2310 FNL, 2275 FWL, Eddy County
OPERATOR COG Operating LLC
DRILLING CONTRACTOR United Drilling, Inc.

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:

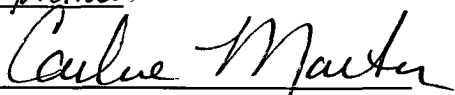
<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>.7° @ 103'</u>		
<u>1° @ 325'</u>		
<u>1° @ 353'</u>		
<u>.7° @ 514'</u>		
<u>.6° @ 758'</u>		
<u>.7° @ 981'</u>		
<u>.2° @ 1194'</u>		
<u>.2° @ 1669'</u>		
<u>.7° @ 2144'</u>		
<u>.5° @ 2652'</u>		
<u>.3° @ 3128'</u>		
<u>.0° @ 3603'</u>		
<u>.5° @ 4111'</u>		
<u>.4° @ 4586'</u>		

Drilling Contractor- UNITED DRILLING, INC.

By: 
(Luisa Noriega)

Title: Asst. Office Manager

Subscribed and sworn to before me this 4th day of November 2011.


Notary Public
Chaves New Mexico
County State

My Commission Expires: 10/8/12