

30-015-39463

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JAN 27 2012

NMOCD ARTESIA

WELL NAME AND NUMBER Spruce Federal No. 2LOCATION Section 25, T17S, R27E, Lot K, 2500 FSL, 2310 FWL, Eddy CountyOPERATOR COG Operating LLCDRILLING 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
.4° @ 139'		
.3° @ 676'		
.3° @ 994'		
.6° @ 1414'		
.7° @ 1857'		
.2° @ 2777'		
.0° @ 3189'		
.6° @ 3633'		
.5° @ 4045'		
.2° @ 4489'		
.4° @ 4710'		

Drilling Contractor- UNITED DRILLING, INC.By: Luisa Noriega

(Luisa Noriega)

Title: Asst. Office ManagerSubscribed and sworn to before me this 28th day of November 2011.

Diego A. Chaves
Notary Public

Chaves
County

NM
State

My Commission Expires:

10-8-12