

30-015-39464

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FEB 28 2012

NMOCD ARTESIA

WELL NAME AND NUMBER Spruce Federal No. 4LOCATION Section 25, T17S, R27E, Lot K, 2460 FSL, 1650 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
.5° @ 116'	5.45° @ 1785'	.3° @ 4459'
1.7° @ 359'	5.47° @ 1887'	.7° @ 4657'
1.2° @ 516'	5.15° @ 1982'	
.8° @ 668'	5.33° @ 2077'	
.9° @ 826'	4.79° @ 2362'	
.9° @ 988'	4.84° @ 2648'	
1.44° @ 992'	5.17° @ 2775'	
1.08° @ 1056'	4.85° @ 2838'	
1.62° @ 1119'	5.39° @ 2961'	
1.44° @ 1183'	4.23° @ 2965'	
2.41° @ 1246'	3.67° @ 3028'	
3.17° @ 1309'	2.27° @ 3091'	
4.36° @ 1373'	1.28° @ 3155'	
4.81° @ 1436'	.52° @ 3250'	
5.98° @ 1499'	.5° @ 3506'	
6.16° @ 1563'	.6° @ 4013'	

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

(Luisa Noriega)

Title: Asst. Office ManagerSubscribed and sworn to before me this 12<sup>th</sup> day of December, 2011.My Commission Expires: 10/8/12

Charles Martin  
Notary Public  
Chaves New Mexico  
County State