

WELL NAME AND NUMBER Big Boy State No. 4 30 015 40429
LOCATION Section 36, T17S, R27E, Unit M, 492 FSL, 806 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
.3° @ 175'	.9° @ 3502'	
.4° @ 467'	1.2° @ 3754'	
.6° @ 576'	1.2° @ 4007'	
.9° @ 637'	1.9° @ 4228'	
.6° @ 905'	1.6° @ 4514'	
.7° @ 1108'	1.9° @ 4733'	
1.2° @ 1360'	2.7° @ 5015'	
1.0° @ 1424'		
1.2° @ 1518'		
1.8° @ 1645'		
.8° @ 1771'		
1.3° @ 1897'		
1.3° @ 2150'		
1.2° @ 2402'		
1.3° @ 2632'		
1.3° @ 2844'		
1.3° @ 3061'		
.5° @ 3313'		

Drilling Contractor- UNITED DRILLING, INC.

By: Angel Salazar
(Angel Salazar)

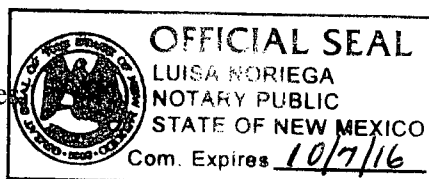
Title: Vice President

Subscribed and sworn to before me this 8th day of September, 2014.

Luisa Noriega
Notary Public

Chaves NM
County State

My Commission Expires



NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 27 2014

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