

WELL NAME AND NUMBER Big Boy State No. 6

30-015-39324

LOCATION Section 36, T17S, R27E, Lot O, 480 FSL, 2210 FEL, 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
.6° @ 140'		
.7° @ 227'		
.7° @ 516'		
.6° @ 827'		
.3° @ 1287'		
.6° @ 1731'		
.8° @ 2237'		
.6° @ 2714'		
.9° @ 3158'		
.3° @ 3675'		
.5° @ 4077'		
.9° @ 4553'		
1.3° @ 4904'		

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Asst. Office Manager



Subscribed and sworn to before me this 27th day of December, 2011.

My Commission Expires: 10/8/12

Carlos Martin
Notary Public
Chaves New Mexico
County State