

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)

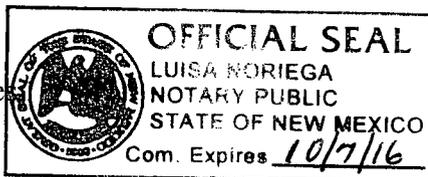
Title: Vice President

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

Luisa Noriega
 Notary Public

Craves NM
 County State

My Commission Expires



NM OIL CONSERVATION
 ARTESIA DISTRICT
 OCT 27 2014

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