

SUR: N-22-17s-32e, 748/S & 1689/W
BHL: N-22-17s-32e, 993/S & 1653/W
API # 30-025-39862

WELL NAME AND NUMBER JC Federal No. 53
LOCATION Section 22, T17S, R32E, 784 FSL, 1689 FWL, Lea 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
1 1/2° @ 138'		
3/4° @ 350'		
1 1/2° @ 443'		
1 3/4° @ 534'		
2° @ 625'		
2 1/4° @ 721'		
2 3/4° @ 841'		
1 1/4° @ 1036'		
3/4° @ 1447'		
3° @ 1891'		
2° @ 2094'		
1° @ 6569'		
3/4° @ 7074'		

HOBBS OCD
JUN 29 2011
RECEIVED

Drilling Contractor- UNITED DRILLING, INC.

By: *Luisa Noriega*
(Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 2nd day of May, 2011.

Celine Mauter
Notary Public

Charles N.M.
County State

My Commission Expires: 10/8/12

KE

JUL 06 2011