

FEB 04 2013

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WELL NAME AND NUMBER Pearsall Federal SWD No. 15
 LOCATION Section 28, T27S, R32E, Eddy Cty Lea Cty
 OPERATOR Cimarex Energy Company
 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° @ 242'	1/2° @ 6087'	1/2° @ 7664'
.2° @ 458'	2 1/2° @ 6648'	1/2° @ 7782'
.3° @ 708'	2 1/2° @ 6681'	1/2° @ 7880'
1.1° @ 900'	2° @ 6775'	1/2° @ 7971'
1/2° @ 1389'	2.1° @ 6810'	1/2° @ 8082'
1° @ 1865'	1.5° @ 6870'	1/2° @ 8209'
1° @ 2373'	1.5° @ 6900'	1/2° @ 8328'
1° @ 2826'	1/2° @ 6938'	1/2° @ 8526'
1° @ 3291'	1 1/2° @ 7031'	1/2° @ 8621'
1° @ 3808'	1.5° @ 7119'	1/2° @ 8739'
1/2° @ 4018'	1.5° @ 7181'	1 1/2° @ 8839'
1° @ 4215'	1° @ 7309'	1/2° @ 8930'
.0° @ 4498'	1/2° @ 7482'	1/2° @ 9027'
.0° @ 4812'	1/2° @ 7482'	1° @ 9222'
.9° @ 5196'	1/2° @ 7397'	1 1/2° @ 9380'
.3° @ 5602'	1 1/2° @ 7569'	1° @ 9467'

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 15th day of October, 2012.

Charles Martin
Notary Public
Charles New Mexico
County State

My Commission Expires: 10/8/12

APR 11 2013

