

MAY 07 2015

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WELL NAME AND NUMBER Munds 1 Federal Com LBB No. 2H

LOCATION Section 1, T17S, R29E, Unit 1, 890 FNL, 295 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
.5° @ 273'	24.9° @ 4129'	90.0° @ 5102'
.8° @ 371'	30.0° @ 4192'	90.5° @ 5291'
.6° @ 708'	31.5° @ 4223'	90.6° @ 5385'
1.3° @ 1028'	33.7° @ 4255'	92.2° @ 5480'
1.6° @ 1108'	37.4° @ 4287'	93.4° @ 5574'
.7° @ 1548'	46.9° @ 4381'	93.2° @ 5669'
.2° @ 1864'	49.7° @ 4412'	92.7° @ 5858'
.1° @ 2148'	52.4° @ 4444'	90.9° @ 6046'
.9° @ 2395'	61.8° @ 4530'	90.4° @ 6236'
.4° @ 2805'	64.1° @ 4569'	90.6° @ 6425'
.3° @ 3190'	67.3° @ 4601'	90.7° @ 6519'
.8° @ 3631'	71.0° @ 4632'	90.6° @ 6613'
.4° @ 3834'	72.8° @ 4664'	90.8° @ 6708'
.1° @ 3940'	75.1° @ 4695'	89.6° @ 6991'
.9° @ 3971'	77.9° @ 4727'	88.6° @ 7086'
5.0° @ 4003'	83.4° @ 4790'	89.1° @ 7180'
10.6° @ 4034'	89.2° @ 4944'	89.6° @ 7343'
21.0° @ 4097'	90.7° @ 5007'	90.1° @ 7370'

Drilling Contractor- UNITED DRILLING, INC.

By: Angel Salazar
(Angel Salazar)

Title: Vice President

Subscribed and sworn to before me this 17th day of March 2015.

Luisa Noriega
Notary Public

Chavis NM
County State

My Commission Expires



