

WELL NAME AND NUMBER Harvard Federal No. 17 30-015-38505
LOCATION Section 21, T17S, R30E, 710 FNL, 550 FWL, Eddy County UL D
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
.3° @ 343'
.3° @ 495'
.6° @ 806'
.6° @ 1056'
.5° @ 1390'
.72° @ 1473'
2.07° @ 1592'
2.78° @ 1656'
3.60° @ 1719'
5.28° @ 1846'
6.65° @ 1909'
7.56° @ 1973'
8.29° @ 2036'
8.04° @ 2100'
8.05° @ 2145'
7.31° @ 2290'

Degrees @ Depth
8.81° @ 2385'
7.97° @ 2671'
8.27° @ 2963'
7.95° @ 3058'
8.63° @ 3153'
8.48° @ 3343'
8.31° @ 3534'
7.42° @ 3629'
7.32° @ 3724'
7.67° @ 3945'
7.53° @ 4104'
6.89° @ 4199'
5.21° @ 4294'
3.50° @ 4390'
.50° @ 4580'
.58° @ 4675'

[illegible]

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Drilling Contractor- **UNITED DRILLING, INC.**

By: Luisa Noriega
(Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 8th day of June, 2011.

Caroline Martin
Notary Public

Notary Public
Charles New Mexico
County State

My Commission Expires: 10/8/11