



DRILLING INC. Oil Well Drilling Contractor

30-025-40227

Post Office Box 160 Artesia, New Mexico 88211-0160 Office (575) 748-8704 Fax (575) 748-8719

October 3, 2011

COG Operating LLC
550 W. Texas, Suite 1300
Midland, Texas 79701

Re: GC Federal #61
Sec. 19, T-17-S, R-32-E
Lea County, New Mexico

Attn: John Coffman

The following is a Deviation Survey on the referenced well in Lea County, New Mexico:

- 470' - 1°
- 624' - 0.75°
- 1077' - 0.75°
- 1576' - 0.75°
- 2043' - 2°

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 3rd day of October, 2011 by Gary W. Chappell.

NOTARY PUBLIC



OFFICIAL SEAL
CHERYL A. BARTLETT
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 4-29-12