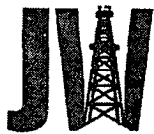


EC



DRILLING INC. Oil Well Drilling Contractor

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

March 8, 2010

30-025-39268
I-20-17S-32E
2310 FSL + 990 FEL

C.O.G. Operating, LLC
550 W. Texas, Suite 1300
Midland, Texas 79701

Re: GC Federal # 22
Sec. 20, 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:

256' - 0.75°	6646' - 0.5°
496' - 1.25°	
643' - 0.5°	
1126' - 1°	
1625' - 2°	
2317' - 2°	
2814' - 2.75°	
3313' - 3°	
3751' - 3°	
4167' - 2.25°	
4658' - 2.5°	
5156' - 1°	
5652' - 0.75°	
6149' - 0.25°	

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 8th day of March, 2010 by Gary W. Chappell.

MY COMMISSION EXPIRES

NOTARY PUBLIC

