

DRILLING INC. Oil Well Drilling Contractor

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

RECEIVED

March 29, 2010

JUN 11 2010

HOBBSOCD

30-025-38713

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

Re: BC Federal #31 Unit G
Sec. 20, T-17-S, R-32-E
Lea County, New Mexico

1690/N & 2150/E

Attn: John Coffman

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

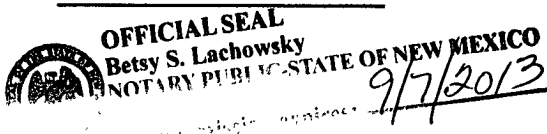
257' - 1.5°	6370' - 1.25°
494' - 1.75°	6806' - 0.5°
702' - 3°	6985' - 0.75°
1172' - 2°	
1670' - 0.75°	
2049' - 1.75°	
2541' - 1°	
3039' - 1.5°	
3538' - 1.25°	
3910' - 0.75°	
4410' - 1°	
4909' - 0.75°	
5376' - 1°	
5873' - 1°	

Sincerely

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 29th day of March, 2010 by Gary W. Chappell.
MY COMMISSION EXPIRES


NOTARY PUBLIC

KZ

