



DRILLING INC. Oil Well Drilling Contractor

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

RECEIVED

November 1, 2010

DEC 29 2010
HOBBSD

30-025-39418

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

Re: BC Federal #44 *UNIT A*
Sec. 19, T-17-S, R-32-E
Lea County, New Mexico
330/N & 990/E

Attn: John Coffman

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

249' - 1°	6491' - 0.75°
485' - 1.25°	6649' - 0.25°
676' - 1°	6989' - 0.25°
1144' - 0.75°	
1612' - 2°	
2037' - 1°	
2502' - 1°	
3001' - 1°	
3501' - 1°	
4001' - 1.25°	
4501' - 0.75°	
5000' - 0.75°	
5497' - 1°	
5997' - 0.5°	

Sincerely,

Gary W. Chappell
Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 1st day of November, 2010 by Gary W. Chappell.

MY COMMISSION EXPIRES

4-29-12

Cheryl A. Bartlett
NOTARY PUBLIC



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

My commission expires: 4-29-12

KC