

DRILLING INC. Oil Well Drilling Contractor

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

RECEIVED

August 30, 2010

OCT 19 2010
HOBBSOCD

30-025-39611

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

Re: BC Federal #46 Unit #
Sec. 19, T-17-S, R-32-E
Lea County, New Mexico

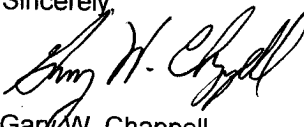
Attn: John Coffman

990/N 330/E

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

248' - 0.25°	2060' - 1°	3996' - 1°	5960' - 1°
486' - 0.75°	2533' - 1°	4494' - 1°	6457' - 1°
663' - 1°	3030' - 0.5°	4962' - 1°	6862' - 1°
1156' - 0.75°	3529' - 0.75°	5462' - 1°	
1623' - 1.5°			

Sincerely,


Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 30th day of August, 2010 by Gary W. Chappell.

MY COMMISSION EXPIRES

4-29-12


NOTARY PUBLIC



OFFICIAL SEAL
CHERYL A. BARTLETT
NOTARY PUBLIC - STATE OF NEW MEXICO
My commission expires: 4-29-12

K-2 PETROLEUM ENGINEER
FEB 16 2011