

DRILLING INC. Oil Well Drilling Contractor

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

RECEIVED

APR 09 2010

HOBBSOCD

February 9, 2010

30-025-39058

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

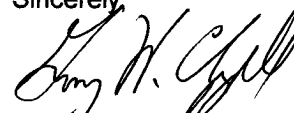
Re: MC Federal # 30 Unit F
Sec. 21, T-17-S, R-32-E
Lea County, New Mexico

Attn: John Coffman

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

247' - 0.5°	5966' - 0.25°
547' - 3.5°	6462' - 1°
665' - 4.75°	6960' - 0.25°
790' - 3.75°	
1031' - 3°	
1531' - 2.5°	
2031' - 1°	
2603' - 1°	
3006' - 1.75°	
3475' - 2.5°	
3974' - 2.75°	
4473' - 1.75°	
4970' - 2°	
5467' - 1.25°	


Sincerely,

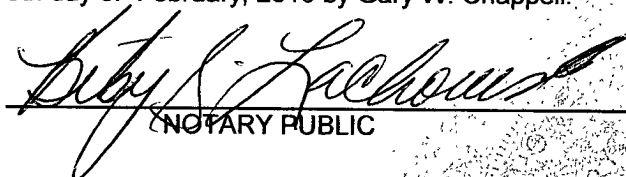

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 9th day of February, 2010 by Gary W. Chappell.

MY COMMISSION EXPIRES

 OFFICIAL SEAL
Betsy S. Lachowsky
NOTARY PUBLIC
9/7/2012


NOTARY PUBLIC

KZ

