



DRILLING INC. Oil Well Drilling Contractor

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30-015-30539

November 12, 2010

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

Re: Caribou "19" Federal Com. #2
Sec. 19, T-16-S, R-28-E
Eddy County, New Mexico

Attn: John Coffman

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

248' - 0.5°	5237' - 1°
592' - 1°	5764' - 1°
930' - 1.25°	
1240' - 1°	
1586' - 1°	
1990' - 0.75°	
2395' - 0.75°	
2860' - 1°	
3270' - 0.75°	
3677' - 1.25°	
3989' - 0.5°	
4300' - 1°	
4706' - 1.25°	
4831' - 1°	

RECEIVED

FEB 22 2011

NMOCD ARTESIA

Sincerely

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 12th day of November, 2010 by Gary W. Chappell.

MY COMMISSION EXPIRES

10-28-2014

NOTARY PUBLIC



OFFICIAL SEAL
Crisha Morgan
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires 10-28-14