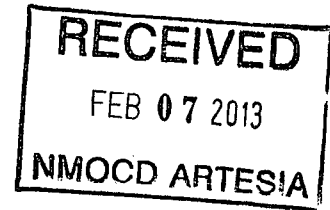


DRILLING INC. Oil Well Drilling Contractor

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

November 1, 2012



COG Operating, LLC
One Concho Center 600 W. Illinois Ave
Midland, Texas 79701

Re: Lakewood SWD # 1
Sec., 8, T-19-S, R-26-E
Eddy County, New Mexico

Attn: Jim Evans

30-015-40717

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

373' - 0.25°	2498' - 0.25°	4806' - 1.5°	7299' - 1°
578' - 1.75°	2933' - 0.75°	5241' - 1.25°	7549' - 1°
865' - 0.5°	3372' - 0.25°	5491' - 1.25°	8016' - 0.75°
1174' - 1°	3838' - 0.5°	5927' - 0.75°	8362' - 0.25°
1624' - 1°	4118' - 1.25°	6363' - 0.25°	
2060' - 0.75°	4400' - 1.5°	6861' - 1.5°	

TA 8434'

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 1st day of November, 2012 by Gary W. Chappell.

