

DRILLING INC. Oil Well Drilling Contractor

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

October 9, 2012

15-39589

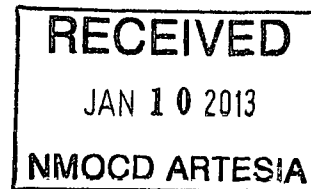
COG Operating, LLC
One Concho Center 600 W Illinois Ave
Midland, Texas 79701

Re: Sherman 4 Fee # 1
Sec. 4, T-19-S, R-26-E
Eddy County, New Mexico

Attn: Jim Evans

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

284' - 0.75°	1155' - 1°	2549' - 1.5°	3892' - 1°
549' - 0.25°	1653' - 2°	2803' - 0.5°	4276' - 0.25°
827' - 1.25°	2151' - 1.75°	3331' - 1°	



Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 9th day of October, 2012 by Gary W. Chappell.

NOTARY PUBLIC

