



DRILLING INC. Oil Well Drilling Contractor

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

January 3, 2012

HOBBS OCD *48T 30/025/39628*
MAR 22 2012

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

Attn: John Coffman

RECEIVED
Re: MC Federal # 65 - m
Sec. 21, T-17-S, R-32-E
Lea County, New Mexico
808/s + 2491w

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

295' - 1°	2322' - 1.25°	5002' - 0.5°
467' - 0.5°	2822' - 0.25°	5500' - 1°
726' - 1.25°	3289' - 0.25°	5968' - 0.25°
1178' - 0.75°	3788' - 0.5°	6466' - 0.75°
1674' - 1°	4286' - 0.25°	6965' - 0.25°
2138' - 2.25°	4783' - 1.25°	

Sincerely,

Gary W. Chappell
Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 3rd day of January, 2012 by Gary W. Chappell.



OFFICIAL SEAL
Pam Moore
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires 3-24-2012

Pam Moore
NOTARY PUBLIC

KC

MAR 29 2012