



DRILLING INC. Oil Well Drilling Contractor

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September 29, 2009

RECEIVED

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HOBBSOCD

30-025-39002

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

Re: MC Federal #34 Unit I
Sec. 21, T-17-S, R-32-E, 1530/S #990/R
Lea County, New Mexico

Attn: John Coffman

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

253' - 0.75°	4597' - 2.25°
496' - 0.75°	4834' - 2.5°
791' - 0.25°	5098' - 2.25°
1037' - 1°	5379' - 2°
1379' - 1.5°	5598' - 1.25°
1815' - 1°	6050' - 1.75°
2320' - 2°	6485' - 1.5°
2789' - 1.5°	6640' - 1°
3225' - 1.5°	6982' - 1°
3672' - 2.5°	
3910' - 3°	
4035' - 3.5°	
4192' - 3°	
4348' - 2.25°	

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO()
COUNTY OF EDDY)

The foregoing was acknowledged before me this 29th day of September, 2009 by Gary W. Chappell.

MY COMMISSION EXPIRES

9/7/2013

NOTARY PUBLIC

