



DRILLING INC. Oil Well Drilling Contractor

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

RECEIVED

OCT 26 2009

HOBBSOCD

September 18, 2009

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

Re: JC Federal #28 Unit N
Sec. 22, T-17-S, R-32-E
Lea County, New Mexico

30-025-39160

990/s & 209D/W

Attn: John Coffman

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

254' - 1°	6179' - 1°
496' - 0.75°	6675' - 1°
763' - 1.25°	7034' - 1°
1255' - 0.25°	
1754' - 2°	
2065' - 2°	
2449' - 1.5°	
2920' - 1.5°	
3419' - 1°	
3918' - 1°	
4387' - 1.25°	
4698' - 0.75°	
5196' - 1°	
5682' - 1.5°	

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO()
COUNTY OF EDDY)

The foregoing was acknowledged before me this 18th day of September, 2009 by Gary W. Chappell.

MY COMMISSION EXPIRES

9/7/2013

NOTARY PUBLIC

