

DRILLING INC. Oil Well Drilling Contractor

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

August 20, 2009

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

30-025-39164
Re: JC Federal # 23 - K, 145054162/62
Sec. 22, T-17-S, R-32-E
Lea County, New Mexico

Attn: John Coffman

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


250' - 1°	5870' - 1°
491' - 0.25°	6340' - 1.5°
975' - 0.5°	6804' - 1°
1468' - 0.75°	7069' - 2°
1966' - 1°	
2134' - 2.5°	
2414' - 2.5°	
2663' - 2°	
2943' - 1°	
3411' - 1°	
3909' - 1.25°	
4408' - 1.75°	
4876' - 0.75°	
5372' - 1°	

RECEIVED

OCT 16 2009

HOBBSOCD

Sincerely,


Gary W. Chappell
Contracts Manager

STATE OF NEW MEXIC())
COUNTY OF EDDY)

The foregoing was acknowledged before me this 20th day of August, 2009 by Gary W. Chappell.

MY COMMISSION EXPIRES

Sept 1, 2009


NOTARY PUBLIC

