

DRILLING INC. Oil Well Drilling Contractor

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RECEIVED

May 6, 2010

JUL 19 2010

HOBBSOCD

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

Re: BC FED #40
Sec. 20, 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:

248' - 1°	5747' - 1°
487' - 2.25°	6245' - 0.75°
630' - 2.75°	6741' - 0.75°
883' - 3°	6996' - 0.5°
1133' - 2.25°	
1632' - 0.75°	
2058' - 0.5°	
2535' - 0.25°	
3033' - 1°	
3531' - 1°	
3840' - 0.75°	
4343' - 0.5°	
4843' - 0.25°	
5248' - 0.25°	

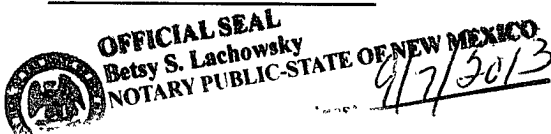
Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 6th day of May, 2010 by Gary W. Chappell.

MY COMMISSION EXPIRES

NOTARY PUBLIC

PETROLEUM ENGINEER
AUG 04 2010