



DRILLING INC. Oil Well Drilling Contractor

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

March 7, 2011

HOBBS OGD

MAY 09 2011

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

RECEIVED

Re: JC Fed # 41
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:

264' - 1°	2632' - 0.25°	5596' - 0.5°
519' - 1.75°	3130' - 0.75°	6095' - 0.25°
877' - 2°	3630' - 1.75°	6594' - 0.25°
1160' - 2°	4101' - 1.5°	7072' - 0.5°
1659' - 1°	4600' - 1.25°	
2089' - 0.25°	5096' - 1°	

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 7th day of March, 2011 by Gary W. Chappell.

MY COMMISSION EXPIRES

10/28/2014



OFFICIAL SEAL
Crisha Morgan
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 10/28/2014

NOTARY PUBLIC

MAY 23 2011