

DRILLING INC. Oil Well Drilling Contractor

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

RECEIVED

June 3, 2010

JUL 26 2010

HOBBSOCD

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

Attn: John Coffman

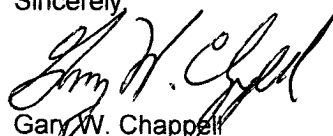
Re: JC Federal # 35 Unit D
Sec. 21, T-17-S, R-32-E
Lea County, New Mexico

290/S + 2200/E

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

| | |
|---------------|---------------|
| 248' - 0.25° | 6184' - 0.75° |
| 516' - 1.75° | 6681' - 1° |
| 810' - 3.25° | 7053' - 1° |
| 1281' - 1.25° | |
| 1779' - 0.25° | |
| 2026' - 1.25° | |
| 2503' - 1° | |
| 3003' - 1.25° | |
| 3502' - 1.75° | |
| 3971' - 0.5° | |
| 4470' - 0.75° | |
| 4940' - 1° | |
| 5190' - 0.5° | |
| 5689' - 1° | |

Sincerely,


Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
COUNTY OF EDDY)

The foregoing was acknowledged before me this 3rd day of June, 2010 by Gary W. Chappell.

MY COMMISSION EXPIRES

8-13-2013


NOTARY PUBLIC



RACHEL SHANNON
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires:

8-13-2013