



PO Box 1370
 Artesia, NM 88211-1370
 (505) 748-1288

July 10, 2007

COG, LLC
 Fasken Center, Tower II
 550 West Texas Ave, Suite 1300
 Midland, TX 79701

30-D25-38366

RE: BC Federal #14
 1650' FNL & 2020' FWL
 Sec. 20, T17S, R32E
 Lea County, New Mexico

Unit F

Dear Sir,

The following is the Deviation Survey for the above captioned well.

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
360.00	1.00	1922.00	0.75	4829.00	0.75
715.00	5.00	2110.00	1.00	5149.00	0.75
746.00	4.00	2450.00	0.50	5545.00	0.75
827.00	3.75	2733.00	0.75	5845.00	0.25
922.00	2.75	3045.00	0.75	6145.00	0.75
1016.00	2.00	3390.00	0.75	6476.00	0.25
1143.00	1.25	3888.00	0.50	6791.00	0.50
1333.00	1.50	4236.00	0.50	6955.00	1.00
1573.00	0.50	4536.00	0.75		

Very truly yours,

Eddie LaRue
 Operations Manager

State of New Mexico }
 County of Eddy }



The foregoing was acknowledged before me this 10th day of July, 2007.

Notary Public

