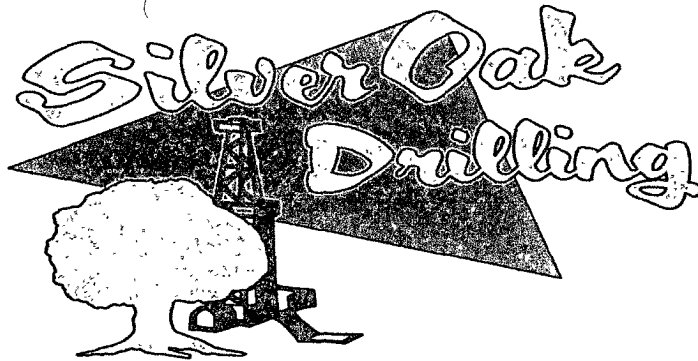




PO Box 1370
 Artesia, NM 88211-1370
 (575) 748-1288

October 8, 2009

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

RE: Melrose Federal #4
 2274' FNL & 344' FWL
 Sec. 23, T17S, R30E
 Eddy County, New Mexico

Dear Sir,

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

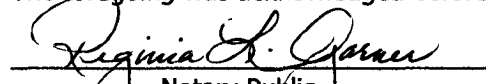
Depth	Deviation	Depth	Deviation
229.00	0.70	3568.00	0.70
674.00	0.90	3906.00	0.50
1080.00	1.40	4212.00	0.60
1655.00	1.20	4682.00	0.90
2103.00	0.70	5193.00	0.30
2579.00	0.70	5671.00	1.10
3056.00	0.50		

Very truly yours,


 Eddie C. LaRue
 Operations Manager

State of New Mexico }
 County of Eddy }

The foregoing was acknowledged before me this 8th day of October, 2009.


 Notary Public

