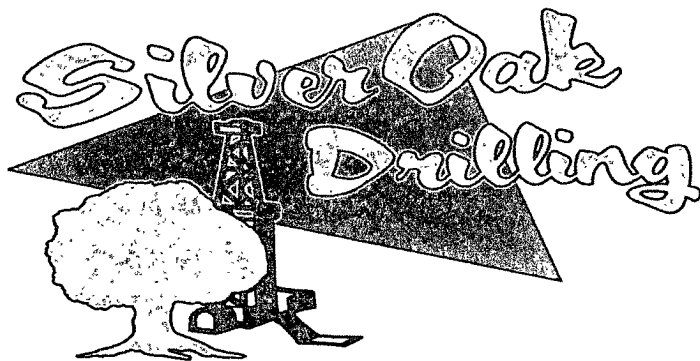
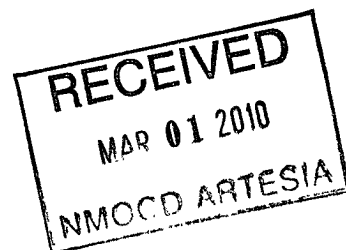




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288



December 31, 2009

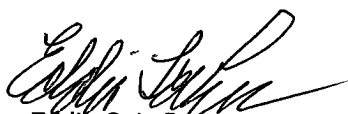
COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Electra Federal #39
990' FNL & 330' FWL
Sec. 15, T17S, R30E
Eddy County, New Mexico

Dear Sir,

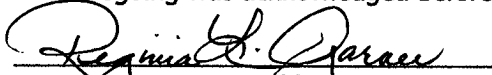
The attached is the Deviation Survey for the above captioned well.

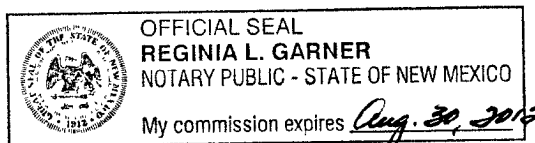
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 31st day of December, 2009.


Notary Public





Date	Depth	Dev	TVD
12/16/2009	260.00	0.80	300.00
12/17/2009	529.00	2.40	
12/18/2009	799.00	2.40	839.00
12/18/2009	1022.00	2.20	1062.00
12/18/2009	1266.00	1.10	
12/19/2009	1438.00	0.60	1510.00
12/19/2009	1916.00	0.60	1988.00
12/20/2009	2397.00	1.20	2467.00
12/20/2009	2906.00	0.90	2977.00
12/20/2009	3882.00	0.70	3454.00
12/21/2009	3862.00	0.20	3932.00
12/21/2009	4338.00	0.30	4410.00
12/22/2009	4818.00	0.30	4888.00
12/22/2009	5327.00	0.50	5398.00
12/22/2009	5804.00	0.40	5876.00
12/23/2009	5937.00	0.30	