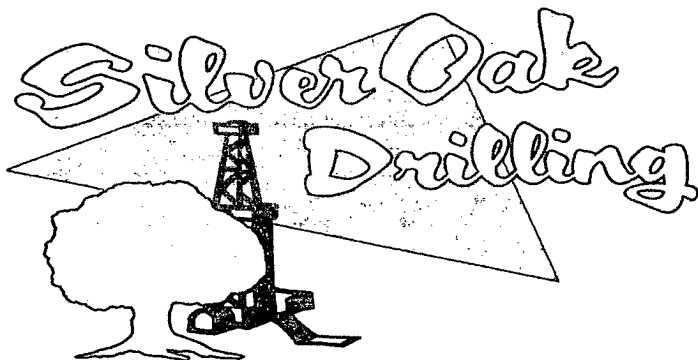




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

August 20, 2010

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

30-015-37223

RE: Electra Federal #47
2310' FSL & 1650' FWL
Sec. 10, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

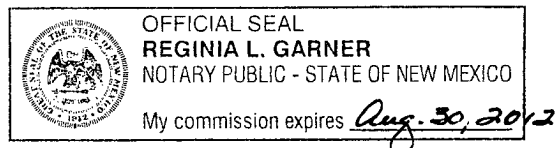
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 20th day of August, 2010.


Regina L. Garner
Notary Public



Electra Federal #47

Date	Depth	Dev/Inc	TVD
8/10/2010	467	1.80	507
8/11/2010	957	0.80	997
8/11/2010	1315	0.90	
8/13/2010	1820	0.30	1890
8/13/2010	2265	0.60	2337
8/13/2010	2744	0.50	2814
8/14/2010	3220	0.70	3292
8/14/2010	3700	0.70	3770
8/15/2010	4178	0.70	4248
8/16/2010	4656	0.60	4726
8/16/2010	5132	0.70	5207
8/16/2010	5612	0.80	
8/18/2010	6020	2.50	