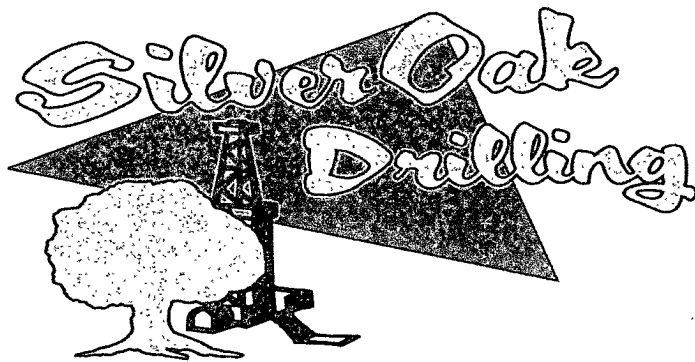




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

November 18 , 2009

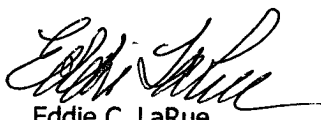
COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: GC Federal #16
615' FSL & 990' FWL
Sec. 19, T17S, R32E
Lea County, New Mexico

Dear Sir,

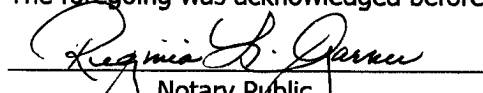
The attached is the Deviation Survey for the above captioned well.

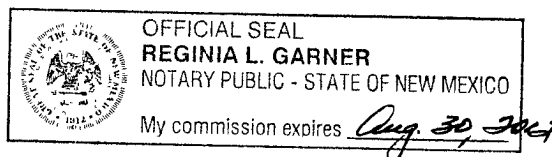
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 18th day of November, 2009.


Notary Public



Pason DataHub Deviation Survey 2009/11/13 08:46:18

Well Dossier 1256317598 - GC fed 16

#

# Date	Depth	Deviation	Direction	TVD
10/22/2009	294.00	0.60	0.00	334.00
10/23/2009	654.00	1.10	0.00	672.00
10/24/2009	905.00	1.10	0.00	975.00
10/24/2009	1376.00	0.60	0.00	1446.00
10/25/2009	1875.00	1.60	0.00	0.00
10/26/2009	2171.00	1.58	61.12	0.00
10/26/2009	2264.00	2.64	124.14	0.00
10/26/2009	2359.00	3.43	150.06	2411.00
10/26/2009	2547.00	4.13	191.99	2599.00
10/26/2009	2735.00	4.40	185.57	2787.00
10/26/2009	2453.00	3.96	173.71	2505.00
10/26/2009	2641.00	5.01	187.51	2693.00
10/27/2009	2831.00	4.48	189.27	2883.00
10/27/2009	2926.00	6.16	187.68	3009.00
10/27/2009	3020.00	5.01	190.23	3072.00
10/27/2009	3399.00	4.31	185.05	0.00
10/27/2009	3494.00	6.07	178.45	0.00
10/27/2009	3590.00	5.89	177.40	0.00
10/27/2009	3684.00	6.16	174.76	3736.00
10/27/2009	3787.00	5.01	188.30	3830.00
10/28/2009	3873.00	4.75	187.33	3925.00
10/28/2009	3968.00	5.28	185.13	0.00
10/28/2009	4157.00	5.01	184.08	0.00
10/29/2009	4282.00	4.13	185.66	4328.00
10/29/2009	4377.00	4.22	190.06	4423.00
10/29/2009	4472.00	4.04	186.05	4463.00
10/29/2009	4567.00	4.13	186.45	4558.00
10/29/2009	4661.00	4.57	185.57	4707.00
10/29/2009	4850.00	3.96	183.64	4896.00
10/29/2009	4755.00	4.04	182.23	4801.00
10/30/2009	4945.00	4.01	175.26	4991.00
10/30/2009	5039.00	3.89	1811.65	5089.00
10/30/2009	5134.00	3.31	181.12	0.00
10/30/2009	5197.00	2.23	169.32	0.00
10/30/2009	5261.00	1.55	169.65	5307.00
10/30/2009	5323.00	0.17	162.89	5369.00
10/31/2009	5552.00	0.40	0.00	5621.00
11/1/2009	5984.00	1.20	0.00	6063.00
11/1/2009	6529.00	0.60	0.00	6598.00
11/2/2009	7027.00	1.70	0.00	0.00

EOF