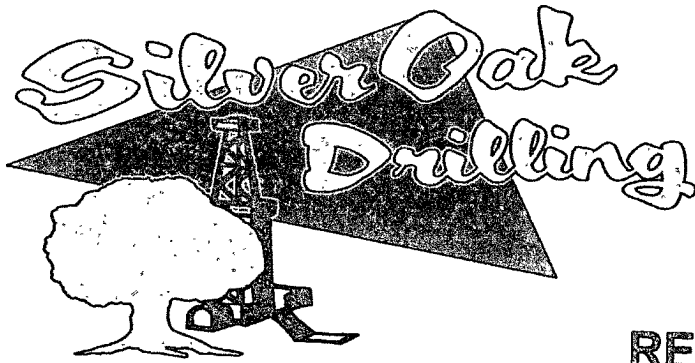




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

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FEB 09 2010

HOBBSOCD

November 18, 2009

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

30-025-39480

RE: JC Federal #49 Unit K
2310' FSL & 1650' FWL
Sec. 22, T17S, R32E
Lea County, New Mexico

Dear Sir,

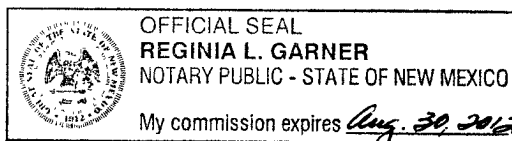
The attached is the Deviation Survey for the above captioned well.

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 2009/12/07 16:04:56

Well Dossier 1257466231 - JC Federal #49

#

# Date	Depth	Dev	Dir	TVD
11/6/2009	325	0.3	0	365
11/7/2009	825	2	0	854
11/9/2009	1251	1.1	0	0
11/9/2009	1726	1.2	0	1796
11/10/2009	2252	0.3	0	2322
11/11/2009	2662	0.3	0	2733
11/11/2009	3135	0.4	0	3225
11/11/2009	3639	0.8	0	3709
11/12/2009	4079	0.4	0	4150
11/12/2009	4550	0.7	0	4620
11/12/2009	5052	0.1	0	5122
11/13/2009	5491	0.4	0	5562
11/13/2009	6028	0.4	0	6098
11/14/2009	6468	0.9	0	6539
11/15/2009	6956	0.1	0	7027

EOF