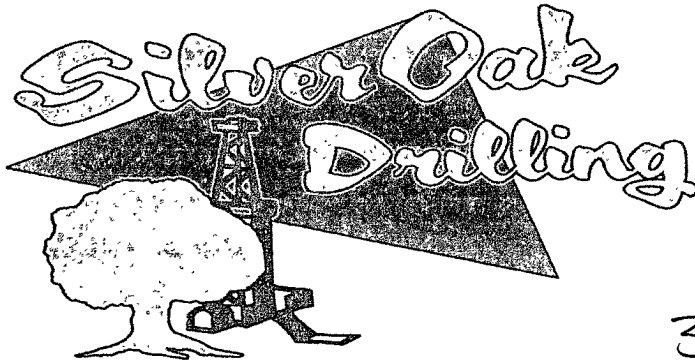




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-025-39247
M-22-17S-32E
1240 FSL + 990 FWL

RECEIVED

JUL 02 2010

HOBBSOCD

April 21, 2010

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

RE: J C Federal #27
1240' FSL & 990' FWL
Sec. 22, T17S, R32E
Lea County, New Mexico

Dear Sir,

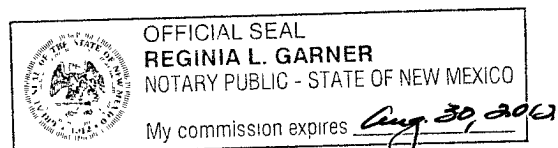
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 21st day of April, 2010.

Regina L. Garner
Notary Public

JC Fed #27

30-025-39247

Date	Dev	Dir
4/8/2010	259	0.10
4/10/2010	493	0.80
4/10/2010	775	0.40
4/12/2010	1117	0.40
4/12/2010	1432	0.50
4/12/2010	1808	1.50
4/12/2010	2090	0.10
4/14/2010	2437	1.00
4/14/2010	2937	0.90
4/14/2010	3440	0.80
4/15/2010	3941	0.60
4/15/2010	4410	0.40
4/16/2010	4912	0.40
4/16/2010	5383	0.30
4/17/2010	5853	0.50
4/18/2010	6353	1.00
4/19/2010	6885	0.60
4/19/2010	6970	0.80