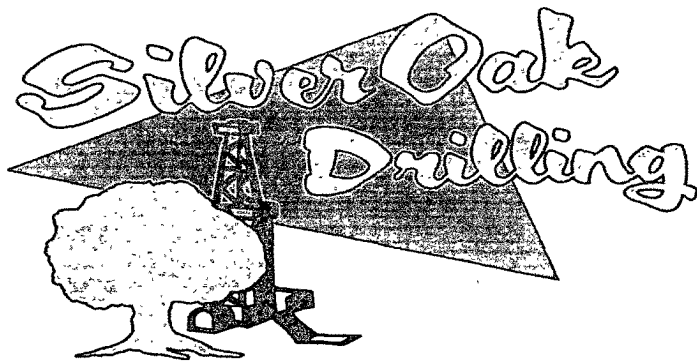




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

RECEIVED

JUL 24 2009

HOBBSOCD

June 22, 2009

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

30-025-38715

RE: M C Federal #22 Unit B
990' FNL & 1780' FEL
Sec. 21, T17S, R32E
Lea County, New Mexico

Dear Sir,

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

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
149.00	0.00	2221.00	1.25	5234.00	0.75
302.00	0.25	2533.00	0.50	5745.00	0.75
601.00	0.00	3031.00	0.50	6172.00	0.75
1034.00	0.25	3287.00	0.50	6242.00	1.00
1348.00	0.75	3787.00	0.50	6714.00	1.00
1633.00	0.75	4262.00	1.00		
1949.00	1.00	4734.00	1.00		

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 22nd day of June, 2009.

Notary Public

OFFICIAL SEAL
REGINIA L. GARNER
NOTARY PUBLIC - STATE OF NEW MEXICO

My commission expires Aug. 30, 2012