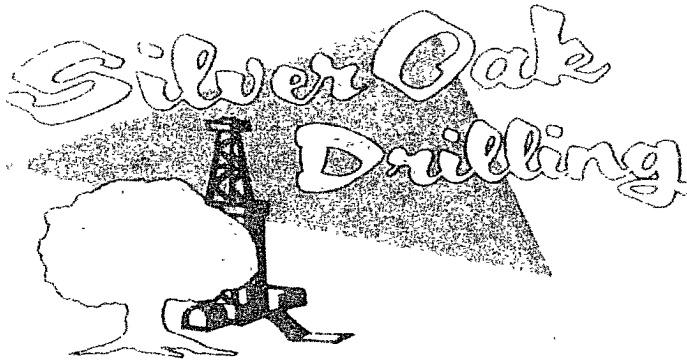




PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

July 20, 2007

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

30-025-38387

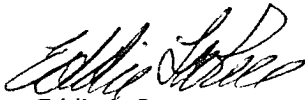
RE: MC Federal #11 Unit J
2460' FSL & 2210' FEL
Sec. 21, T17S, R32E
Lea County, New Mexico

Dear Sir,

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

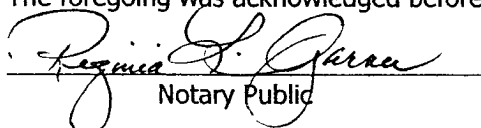
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
182.00	0.25	4333.00	1.00
500.00	2.00	4770.00	1.75
733.00	2.75	5175.00	2.75
982.00	1.75	5295.00	2.25
1282.00	1.50	5456.00	2.00
1550.00	0.50	5579.00	2.00
2045.00	2.00	5670.00	2.75
2237.00	2.00	5719.00	2.25
2437.00	1.75	5957.00	2.00
2637.00	1.75	6173.00	1.75
2926.00	1.00	6362.00	2.25
3226.00	1.00	6550.00	1.50
3583.00	0.50	6861.00	1.75
3988.00	0.50	6944.00	1.00

Very truly yours,


Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 10th day of July, 2007.


Notary Public

