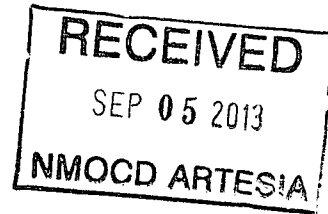




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-015-40897



April 10, 2013

COG, LLC
One Concho Center
600 W. Illinois Ave.
Midland, TX 79701

RE: McIntyre DK Federal #18
990' FSL & 1650' FWL
Sec. 17, T17S, R30E
Eddy County, New Mexico

Dear Sir,

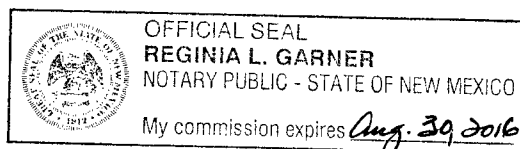
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 10th day of April, 2013.



McIntyre DK Fed #18

Date	Depth	Deviation
4/2/2013	194	0.70
4/3/2013	274	1.10
4/4/2013	446	1.10
4/4/2013	768	1.00
4/5/2013	1060	0.50
4/6/2013	1506	1.00
4/6/2013	1882	0.30
4/6/2013	2257	0.10
4/7/2013	2694	0.30
4/7/2013	3131	0.40
4/7/2013	3569	0.40
4/7/2013	4008	0.70
4/8/2013	4477	0.50