



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

July 8, 2013

30-015-40900

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

RE: McIntyre DK Federal #22
1065' FSL & 1175' FEL
Sec. 17, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

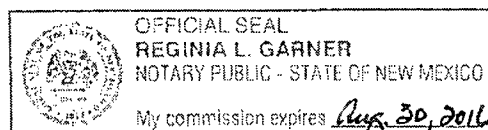
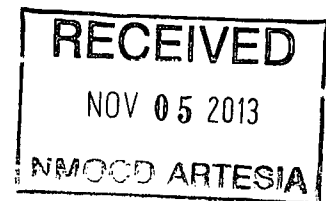
Very truly yours,


Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 8th day of July, 2013.


Regina L. Garner
Notary Public



McIntyre DK Federal #22

Date	Depth	Deviation
6/29/2013	162	0.50
6/29/2013	284	1.10
7/1/2013	668	0.90
7/1/2013	1074	0.60
7/3/2013	1295	0.70
7/3/2013	1608	0.70
7/3/2013	2079	0.60
7/3/2013	2521	0.40
7/4/2013	2963	0.30
7/4/2013	3404	0.70
7/4/2013	3842	0.40
7/5/2013	4286	0.40
7/5/2013	4753	0.40