



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

June 30, 2011

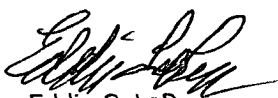
COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

30-015-36909
RE: McIntyre A East Fed #20
1585' FSL & 525' FEL UL I
Sec. 20, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

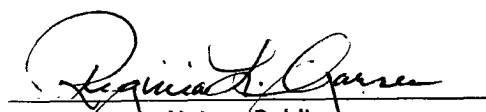
Very truly yours,

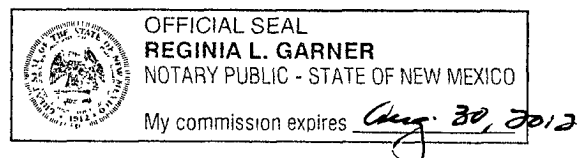

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 30th day of June, 2011.




Regina L. Garner
Notary Public



McIntyre A East Federal #20

Date	Depth	Dev/Inc
6/15/2011	220	0.60
6/18/2011	431	0.50
6/18/2011	681	0.30
6/18/2011	992	0.40
6/19/2011	1260	0.30
6/20/2011	1753	1.50
6/20/2011	2003	1.60
6/20/2011	2127	1.90
6/21/2011	2373	1.70
6/21/2011	2623	1.70
6/21/2011	2870	1.20
6/22/2011	3120	1.90
6/22/2011	3276	1.00
6/22/2011	3432	1.30
6/22/2011	3618	1.00
6/23/2011	4116	0.80
6/23/2011	4365	0.40
6/25/2011	4852	0.50
6/25/2011	5350	1.70
6/26/2011	5818	3.40
6/27/2011	6004	3.20
6/27/2011	6191	5.60
6/29/2011	6441	5.20