



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

September 29, 2011

30-015-39243

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

RE: Tex Mack #224
865' FNL & 1105' FEL
Sec. 2, T17S, R31E
Eddy County, New Mexico

Dear Sir,

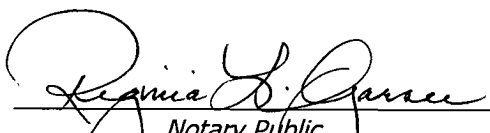
The attached is the Deviation Survey for the above captioned well.

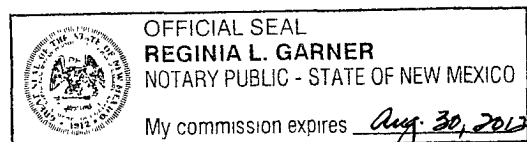
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 29th day of September, 2011.


Regina L. Garner
Notary Public



Pason DataHub Deviation Survey
Well Dossier 1316467872 - TEX MACK #224
#

# Date	Depth	Deviation
9/20/2011	135	0.20
9/20/2011	222	0.20
9/20/2011	309	0.80
9/20/2011	397	1.00
9/20/2011	484	1.20
9/21/2011	601	1.30
9/21/2011	717	3.00
9/22/2011	995	1.90
9/22/2011	1464	0.90
9/23/2011	2030	0.80
9/24/2011	2254	0.70
9/24/2011	2664	0.70
9/24/2011	3164	0.30
9/25/2011	3664	0.10
9/25/2011	4073	0.30
9/25/2011	4573	0.10
9/25/2011	5044	0.30
9/26/2011	5544	0.10
9/26/2011	6044	0.20
9/27/2011	6482	0.10
9/27/2011	6669	0.30

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