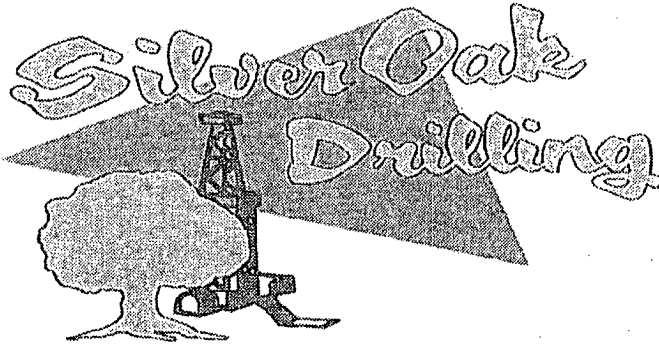


EC



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

30-015-38140

October 6, 2010

Cimarex Energy Co.
Attn: Jim Evans
600 N. Marienfeld, Suite 600
Midland, TX 79701

RE: Thorntail 31 Federal #1
525' FSL & 330' FEL
Sec. 31, T16S, R29E
Eddy County, New Mexico

Dear Sir,

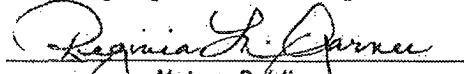
The attached is the Deviation Survey for the above captioned well.

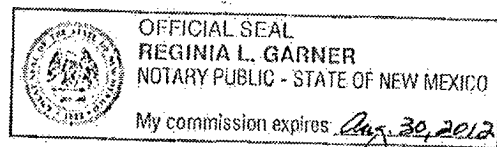
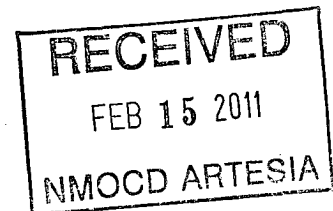
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 6th day of October, 2010.


Regina L. Garner
Notary Public



EC

Pason DataHub Deviation Survey
Well Dossier 1285419291 - THORNTAIL 31 FED # 1
#

# Date	Depth	Deviation
9/25/2010	226	0.80
9/25/2010	381	1.60
9/30/2010	873	0.70
9/30/2010	1250	0.30
10/1/2010	1719	0.50
10/1/2010	2153	0.10
10/2/2010	2623	0.70
10/2/2010	3059	0.40
10/2/2010	3496	0.60
10/2/2010	3964	0.40
10/3/2010	4433	0.40
10/3/2010	4903	0.30
10/4/2010	5218	0.40

EOF