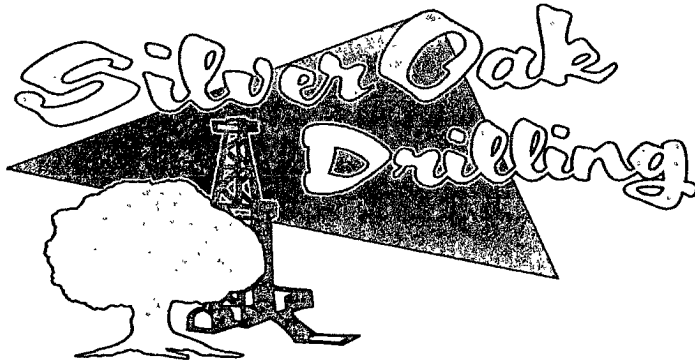
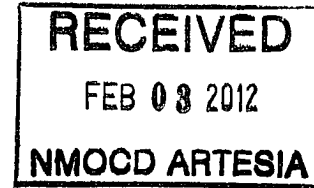




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288



August 8, 2011

30-015-39030

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

RE: Pere Marquette 18 Federal #2
594' FNL & 1210' FWL
Sec. 18, T17S, R29E
Eddy County, New Mexico

Dear Sir,

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

Very truly yours,

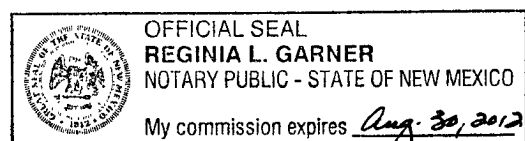
A handwritten signature in cursive script, appearing to read "Chris Graham".

Chris Graham
Drilling Superintendent

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 8th day of August, 2011.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".

Notary Public

Pason DataHub Deviation Survey
Well Dossier 3199368 - Pere Marquette 18 Fed #2

# Date	Depth	Deviation	Direction
7/28/2011	250	0.80	0.00
7/30/2011	472	0.60	0.00
7/30/2011	972	1.20	0.00
7/30/2011	1049	0.50	108.40
7/30/2011	1068	0.50	118.20
7/30/2011	1099	0.70	15.10
7/30/2011	1130	1.90	358.90
7/30/2011	1162	2.70	350.60
7/31/2011	1194	3.10	347.70
7/31/2011	1225	3.20	348.00
7/31/2011	1257	3.50	348.50
7/31/2011	1289	3.80	348.10
7/31/2011	1324	3.70	355.80
7/31/2011	1351	3.80	354.40
7/31/2011	1381	3.80	355.40
7/31/2011	1446	3.00	1.80
7/31/2011	1478	3.00	1.20
7/31/2011	1509	2.90	359.70
7/31/2011	1541	3.60	352.10
7/31/2011	1573	4.60	351.80
7/31/2011	1605	4.90	349.50
7/31/2011	1636	4.80	350.40
7/31/2011	1699	4.20	356.10
7/31/2011	1762	3.70	4.90
7/31/2011	1856	3.30	354.80
7/31/2011	1952	4.10	1.80
7/31/2011	2015	4.30	2.20
7/31/2011	2047	4.10	2.60
7/31/2011	2078	3.30	14.00
8/1/2011	2110	18.30	0.00
8/1/2011	2174	2.60	7.30
8/1/2011	2268	2.00	343.70
8/1/2011	2362	3.70	325.70
8/1/2011	2456	3.80	340.10
8/1/2011	2551	4.50	348.00
8/2/2011	2645	4.60	350.00
8/2/2011	2740	5.00	8.10
8/2/2011	2836	4.90	7.80
8/2/2011	2930	4.80	6.60
8/2/2011	3025	4.00	8.80
8/2/2011	3119	3.90	1.20
8/2/2011	3214	3.90	6.20
8/3/2011	3309	4.00	4.60
8/3/2011	3404	3.90	4.50
8/3/2011	3498	3.80	2.90
8/3/2011	3530	3.90	2.00
8/3/2011	3593	3.70	1.50
8/3/2011	3688	3.70	4.70
8/3/2011	3790	3.90	4.70
8/4/2011	3855	4.00	3.20

#	Date	Depth	Deviation	Direction
	8/4/2011	3980	4.00	2.40
	8/4/2011	4074	4.20	1.80
	8/4/2011	4264	3.70	5.50
	8/4/2011	4358	3.80	4.70
	8/4/2011	4453	3.60	3.70
	8/4/2011	4547	3.60	5.60
	8/4/2011	4641	4.00	2.50
#	EOF			