

OPERATOR: Cimarex Energy Co.
WELL/LEASE: Crescent Hale 12 Federal # 2 H
COUNTY: Lea Co., New Mexico
Sec. 12, T19S, R30E

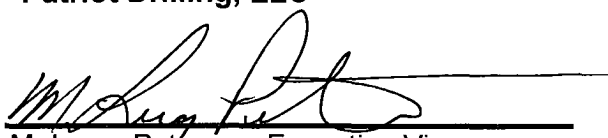
30-015-40054

STATE OF NEW MEXICO
DEVIATION REPORT

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
193	1	3,205	1/4
433	1	3,498	1/4
700	2	3,768	1/2
930	3	3,972	1/4
1,119	3	4,234	2
1,214	3	4,519	2
1,309	2	4,993	2
1,404	1	5,277	2
1,499	3	5,562	1
1,594	2	5,846	1
1,688	1	6,131	1
1,783	1	6,416	1
1,878	3	6,701	2
1,973	2	6,986	2
2,068	3	7,270	2
2,162	2	7,555	1
2,257	3	7,839	1
2,352	3	8,124	1
2,447	1/4	8,409	2
2,636	1/4	8,693	1
2,921	1		

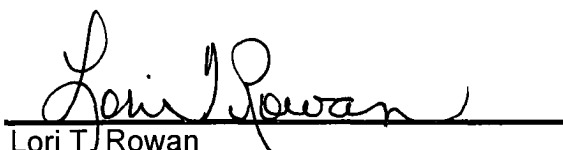
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Patriot Drilling, LLC


M. Leroy Peterson, Executive Vice-
President

The foregoing instrument was acknowledged before me on this 9th day of May,
2012 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 02/01/2015


Lori T. Rowan
Notary Public for Ector Co., Texas

