



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

30-015-40928

February 25, 2013

Mack Energy Corporation
PO Box 960
Artesia, NM 88211-0960

RE: Razorback Federal #5
1650' FNL & 330' FWL
Sec. 3, T18S, R31E
Eddy County, New Mexico

Dear Sir,

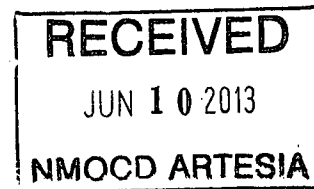
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

A handwritten signature in black ink, appearing to read "Eddie C. LaRue".

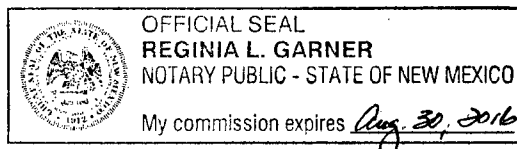
Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }



The foregoing was acknowledged before me this 25th day of February, 2013.

A handwritten signature in black ink, appearing to read "Regina L. Garner".

Notary Public

Pason DataHub Deviation Survey
Well Dossier 1360712322 - Razorback Federal 5

MD(ftKB) Incl(deg) Azm(deg) TVD(ftKB)

181	0.10	0.00	0.00
414	0.40	0.00	0.00
530	0.00	0.00	0.00
679	1.10	0.00	0.00
805	0.50	244.30	804.99
961	0.40	230.40	960.98
1148	0.20	169.80	1147.98
1335	0.30	106.20	1334.98
1521	0.40	52.30	1520.98
1708	0.50	45.50	1707.97
1895	1.20	43.70	1894.95
2019	1.40	30.60	1997.92
2079	1.20	24.30	2078.90
2266	1.30	15.10	2265.86
2453	1.20	8.90	2452.81
2547	1.30	233.00	2599.00
2640	1.30	20.50	2639.77
2827	1.30	20.10	2826.72
3013	1.50	13.80	3012.67
3200	1.50	4.80	3199.60
3387	1.50	9.30	3386.54
3574	1.60	6.70	3573.47
3760	0.80	191.90	3759.45
3948	1.30	197.00	3947.42
4187	1.30	195.20	4186.36
4321	1.00	200.20	4320.33
4356	1.00	197.70	4355.14
4387	1.00	206.10	4386.70
4413	0.90	206.10	4412.64
4413	0.90	216.80	4412.64
4508	0.90	217.60	4507.30
4694	0.80	256.00	4693.00
4881	0.70	2675.00	4880.27
5068	1.10	323.90	5067.25
5255	1.50	353.20	5254.21
5442	1.90	2.10	5441.13
5567	1.50	7.90	5566.07

EOF