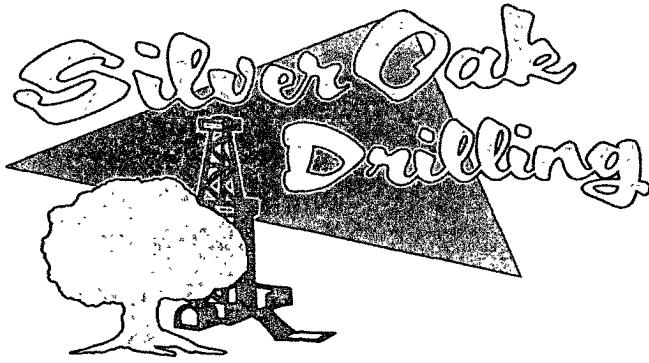
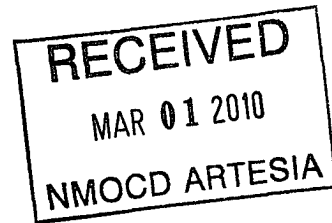




PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288



August 26, 2009

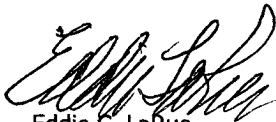
Mack Energy Corporation
PO Box 960
Artesia, NM 88211-0960

RE: Vikings Fed Com #1
355' FNL & 330' FEL
Sec. 20, T16S, R29E
Eddy County, New Mexico

Dear Sir,

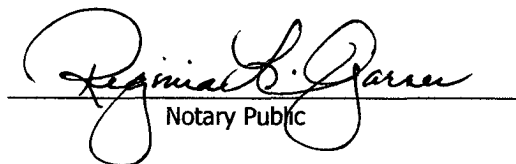
The attached is the Deviation Survey for the above captioned well.

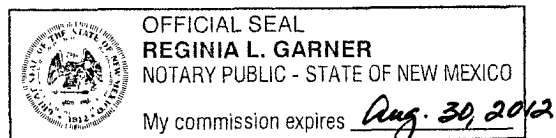
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 26th day of August, 2009.


Notary Public



Pason DataHub Deviation Survey 2009/08/17 11:29:22

Well Dossier 1246226001 - VIKINGS FED. COM. # 1

#

# Date	Depth	Deviation	Direction	TVD	Horiz Disp
6/29/2009	192	0.75	0	0	0
6/29/2009	342	4	0	0	0
7/1/2009	419	3.7	0	0	0
7/1/2009	479	3.4	0	0	0
7/1/2009	544	3	0	574	0
7/1/2009	604	2.9	0	634	0
7/1/2009	667	2.7	0	695	0
7/1/2009	727	2.5	0	756	0
7/1/2009	788	2	0	818	0
7/1/2009	849	1.7	0	0	0
7/1/2009	944	1.5	0	0	0
7/1/2009	1039	1.4	0	0	0
7/1/2009	1134	1.3	0	0	0
7/2/2009	1225	0.9	0	0	0
7/2/2009	1325	1	0	0	0
7/2/2009	1421	0.8	0	0	0
7/2/2009	1517	0.7	0	0	0
7/2/2009	1610	0.6	0	0	0
7/2/2009	1796	0.6	0	0	0
7/2/2009	1954	0.3	0	0	0
7/2/2009	2111	0.3	0	0	0
7/3/2009	2274	0.4	0	0	0
7/3/2009	2464	0.1	0	2494	0
7/3/2009	2621	0.2	0	2650	0
7/4/2009	2799	0	0	0	0
7/4/2009	2938	0.1	0	2967	0
7/4/2009	3096	0.1	0	3126	0
7/4/2009	3254	0.1	0	0	0
7/4/2009	3412	0.1	0	0	0
7/5/2009	3569	0	0	0	0
7/5/2009	3790	0.3	0	3819	0
7/5/2009	3946	0.3	0	0	0
7/6/2009	4099	0.1	0	0	0
7/6/2009	4260	0	0	4289	0
7/6/2009	4416	0.5	0	0	0
7/6/2009	4574	0.2	0	0	0
7/7/2009	4761	0.3	0	4791	0
7/7/2009	4916	0.1	0	4946	0
7/8/2009	5065	0.3	0	0	0
7/8/2009	5220	0.3	0	0	0
7/9/2009	5364	0.35	322.17	0	0
7/9/2009	5519	1.23	338.25	0	0
7/9/2009	5673	1.32	338.6	0	0
7/10/2009	5827	0.88	345.46	0	0
7/12/2009	6145	0.88	3.13	0	0
7/12/2009	6303	0.79	4.44	0	0
7/13/2009	6462	0.62	8.05	0	0
7/13/2009	6621	0.88	37.32	6620.11	0
7/13/2009	6780	0.97	35.82	6824	0
7/13/2009	6939	0.79	31.08	0	0
7/14/2009	7097	0.7	11.39	0	0

#	Date	Depth	Deviation	Direction	TVD	Horiz Disp
7/14/2009	7206	0.79	20.26	0	0	
7/17/2009	6425	0.76	9.74	6424	0	
7/17/2009	6456	2.29	278.82	0	0	
7/17/2009	6488	6.51	267.51	6487.01	0	
7/18/2009	6583	18.29	263.31	6579	19.15	
7/18/2009	6615	21.54	264.42	6609	30	
7/18/2009	6647	24.36	266.69	6639	42	
7/18/2009	6678	27.35	266.77	6667	55.8	
7/19/2009	6773	34.03	272.7	6748.34	104.79	
7/19/2009	6805	36.05	273.39	6774.54	123.13	
7/19/2009	6869	40.98	270.3	6824.6	162.94	
7/19/2009	6900	42.65	268.88	6847.7	183.6	
7/20/2009	6932	44.67	268.28	6870	0	
7/20/2009	6964	46.69	269.16	6893	0	
7/20/2009	6996	49.15	271.12	6914.66	252.32	
7/20/2009	7027	51.35	272.15	6934.48	276.14	
7/20/2009	7059	53.82	272.49	6953.92	301.54	
7/20/2009	7091	56.63	272.29	6972.17	327.8	
7/20/2009	7123	59.62	271.98	6989.06	354.95	
7/20/2009	7154	63.49	271.84	7003.8	402.86	
7/20/2009	7186	67.18	271.45	7017.18	411.25	
7/21/2009	7218	69.64	270.3	7028	0	
7/21/2009	7250	71.49	270.82	7039.6	0	
7/21/2009	7281	74.74	271.35	7048	0	
7/22/2009	7344	80.67	268.54	7061.69	562.41	
7/22/2009	7376	83.32	267.91	7066.15	594.08	
7/22/2009	7407	84.45	267.99	7069.45	624.89	
7/22/2009	7438	86.81	268.55	7071.82	655.78	
7/22/2009	7500	91.68	269.79	7072.6	717.75	
7/22/2009	7595	91.18	270.89	7070.25	812.71	
7/22/2009	7658	91.29	270.88	7068.9	875.69	
7/22/2009	7719	90.06	271.49	7068.19	936.67	
7/23/2009	7783	89.33	271.35	7068.52	1000.65	
7/23/2009	7846	90.39	271.28	7068.68	1063.63	
7/23/2009	7910	90.5	271.61	7068.18	1127.67	
7/23/2009	7973	90.34	271.51	7067.72	1190.59	
7/23/2009	8036	89.78	271.34	0	0	
7/23/2009	8100	91.12	271.88	7067.1	1317.5	
7/23/2009	8163	91.62	271.6	7065.6	1380.5	
7/23/2009	8226	91.85	270.81	7063.74	1443.44	
7/24/2009	8290	91.01	270.63	7062.14	1507.42	
7/24/2009	8352	89.44	269.81	7061.9	1569.41	
7/24/2009	8412	89.55	269.99	7062.42	1629.41	
7/24/2009	8474	90.34	269.4	7062.48	1691.41	
7/24/2009	8537	90.84	268.87	7061.8	1754.4	
7/24/2009	8599	89.11	268.82	7061.9	1816.4	
7/24/2009	8661	88.54	269.57	7063.13	1878.36	
7/24/2009	8724	88.71	270.13	7064.6	1941.3	
7/24/2009	8788	89.83	269.2	7065.46	2005.34	
7/25/2009	8851	91.01	268.51	7065	2068.32	
7/25/2009	8914	90.78	268.65	7064.01	2131.3	
7/25/2009	8977	92.18	268.58	7062.39	2194.26	
7/25/2009	9039	91.79	269.33	7060.2	0	
7/25/2009	9102	91.12	270.36	7058	0	

# Date	Depth	Deviation	Direction	TVD	Horiz Disp
7/25/2009	9165	0	0	0	0
7/25/2009	9228	90.39	270.48	7058	2445.2
7/25/2009	9290	91.46	270.46	7057	2507.2
7/25/2009	9353	0	0	0	0
7/26/2009	9416	91.4	270.36	7053.64	2633.11
7/26/2009	9479	90.67	270.59	7052.5	2696.1
7/26/2009	9541	90.5	270.75	7051.87	2758.09
7/26/2009	9605	90.73	270.23	7051.18	2822.08
7/26/2009	9668	90.28	270.47	7050	0
7/26/2009	9732	90.45	270.42	7050.2	0
7/26/2009	9768	90.84	270.65	7049.5	0
7/26/2009	9859	91.9	270.79	7048	3076
7/26/2009	9923	91.62	270.54	7046	3140
7/26/2009	9986	90.67	270.58	7044.76	3203
7/27/2009	10049	90.62	270.29	7044.05	3265.99
7/27/2009	10113	90.89	270.56	7043.2	3329.98
7/27/2009	10176	91.29	270.63	7042.01	3392.96
7/28/2009	10240	91.68	270.02	7040.35	3456.94
7/28/2009	10303	91.68	269.05	7038.5	3519.91
7/28/2009	10367	91.68	269.1	7037.19	3583.89
7/28/2009	10649	90.75	269.19	7033.6	3865.8
7/28/2009	10712	91.01	268.99	7032.6	3928.8
7/28/2009	10775	91.36	268.65	7031.32	3991.76
7/29/2009	10839	91.01	269.36	7030	0
7/29/2009	10938	90.84	269.29	7030	0
7/30/2009	11029	90.84	270.12	7027.21	4245.72
7/30/2009	11092	91.01	270.07	7024.36	4308.71

EOF