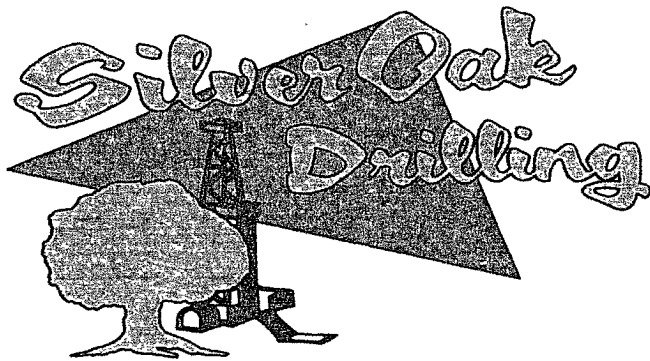


30.015.36449



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

June 22, 2009

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

RE: Titans Federal Com #1
1675' FNL & 30' FWL
Sec. 17, T16S, R29E
Eddy County, New Mexico

Dear Sir,

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

Very truly yours,

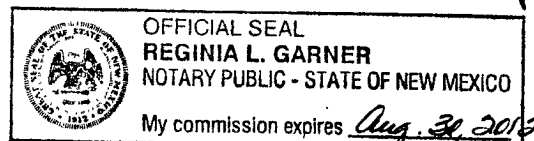
A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 22nd day of June, 2009.

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

Notary Public

Date	Depth	Dev	Dir	TVD
04/28/2009	202.00	1.25	0.00	0.00
04/29/2009	358.00	1.00	0.00	0.00
04/30/2009	500.00	0.70	137.10	0.00
04/30/2009	623.00	1.50	114.10	0.00
04/30/2009	835.00	1.00	96.10	0.00
04/30/2009	959.00	0.40	129.10	0.00
05/01/2009	1078.00	0.20	77.10	0.00
05/01/2009	1235.00	0.50	66.10	0.00
05/01/2009	1359.00	0.10	110.10	0.00
05/01/2009	1488.00	0.40	89.10	0.00
05/01/2009	1612.00	0.10	23.10	0.00
05/01/2009	1686.00	0.40	324.10	0.00
05/01/2009	1899.00	4.00	319.10	0.00
05/01/2009	2055.00	0.90	285.10	0.00
05/02/2009	2205.00	0.70	252.10	0.00
05/02/2009	2362.00	1.40	265.10	0.00
05/02/2009	2521.00	1.20	236.10	0.00
05/02/2009	2677.00	1.30	253.10	0.00
05/02/2009	2832.00	1.00	731.10	0.00
05/02/2009	3020.00	0.90	274.10	0.00
05/02/2009	3144.00	0.60	289.10	0.00
05/03/2009	3300.00	1.30	299.10	0.00
05/03/2009	3455.00	1.40	298.10	0.00
05/03/2009	3617.00	1.10	308.10	0.00
05/04/2009	3773.00	1.30	300.10	0.00
05/04/2009	3929.00	1.20	303.10	0.00
05/04/2009	4084.00	0.90	293.10	0.00
05/05/2009	4240.00	1.00	281.10	0.00
05/05/2009	4396.00	0.90	277.10	0.00
05/05/2009	4551.00	0.80	294.10	0.00
05/06/2009	4707.00	1.30	308.10	0.00
05/06/2009	4856.00	1.00	316.10	0.00
05/07/2009	5014.00	1.10	290.10	0.00
05/07/2009	5167.00	1.40	302.10	0.00
05/07/2009	5360.00	1.80	276.00	0.00
05/07/2009	5516.00	1.60	302.00	0.00
05/08/2009	5641.00	0.60	268.10	0.00
05/08/2009	5791.00	0.30	295.10	0.00
05/08/2009	5962.00	0.60	277.10	0.00
05/09/2009	6007.00	1.85	265.69	0.00
05/09/2009	6069.00	2.02	66.80	6068.14
05/09/2009	6162.00	2.02	78.40	6161.09
05/09/2009	6256.00	2.64	171.48	6255.04
05/09/2009	6349.00	1.23	123.14	6347.99
05/09/2009	6442.00	1.41	122.62	6440.96
05/10/2009	6536.00	3.17	136.31	6534.88
05/10/2009	6629.00	2.81	124.54	6627.76
05/10/2009	6722.00	2.90	153.81	6720.65
05/10/2009	6816.00	1.06	127.53	6814.59
05/10/2009	6909.00	2.46	115.49	6907.00
05/10/2009	7002.00	2.46	132.28	7000.46
05/11/2009	7154.00	1.14	143.79	7152.38
05/14/2009	6452.00	4.31	93.12	6450.86
05/14/2009	6483.00	9.60	86.47	6481.64
05/14/2009	6514.00	13.28	85.11	6512.04
05/14/2009	6545.00	17.24	86.47	6541.94
05/14/2009	6576.00	18.64	86.80	6571.44
05/14/2009	6608.00	18.99	84.88	6601.73
05/14/2009	6639.00	20.22	84.26	6630.93
05/14/2009	6670.00	22.95	86.66	6659.75
05/15/2009	6701.00	25.94	89.04	6687.97
05/15/2009	6732.00	29.19	92.67	6715.45

Date	Depth	Dev	Dir	TVD
05/15/2009	6763.00	32.98	92.80	6741.99
05/15/2009	6825.00	39.13	93.13	6792.07
05/15/2009	6856.00	41.59	94.50	6815.69
05/15/2009	6887.00	44.67	95.01	6838.31
05/15/2009	6919.00	47.66	94.04	6860.47
05/15/2009	6950.00	51.18	92.64	6880.63
05/15/2009	6981.00	54.69	90.97	6899.31
05/15/2009	7012.00	57.68	90.88	6916.57
05/16/2009	7043.00	60.06	90.04	6932.59
05/16/2009	7074.00	64.01	89.65	6947.12
05/16/2009	7106.00	67.44	90.29	6960.29
05/16/2009	7137.00	69.82	90.61	6971.20
05/16/2009	7168.00	73.25	89.47	6981.02
05/16/2009	7199.00	77.29	89.01	6988.90
05/16/2009	7230.00	81.34	89.14	6995.01
05/18/2009	7304.00	89.38	90.05	7000.99
05/18/2009	7335.00	89.78	90.79	7001.22
05/18/2009	7366.00	89.72	90.87	7001.60
05/18/2009	7398.00	89.50	90.79	7001.54
05/18/2009	7460.00	88.94	90.98	7002.48
05/18/2009	7491.00	88.60	91.22	7003.15
05/18/2009	7522.00	89.83	91.61	7003.57
05/18/2009	7553.00	89.94	92.11	7003.64
05/18/2009	7585.00	89.44	92.02	7003.81
05/18/2009	7616.00	89.10	92.01	7004.20
05/18/2009	7647.00	89.50	91.26	7004.58
05/18/2009	7678.00	89.44	90.56	7004.87
05/18/2009	7709.00	90.56	89.57	7004.33
05/19/2009	7740.00	90.78	89.23	7004.51
05/19/2009	7771.00	90.67	89.34	7004.26
05/19/2009	7802.00	90.50	89.21	7003.89
05/19/2009	7833.00	90.34	89.56	7003.14
05/19/2009	7865.00	90.11	89.41	7003.53
05/19/2009	7896.00	89.83	89.55	7003.55
05/19/2009	7927.00	89.61	89.50	7003.70
05/19/2009	7958.00	89.44	89.42	7003.96
05/19/2009	7989.00	89.22	89.58	7004.32
05/19/2009	8020.00	89.50	89.91	7004.67
05/19/2009	8051.00	90.50	90.08	7004.67
05/19/2009	8082.00	90.39	90.28	7004.35
05/19/2009	8114.00	90.11	89.99	7004.21
05/19/2009	8145.00	90.60	89.87	7004.16
05/19/2009	8176.00	90.06	90.06	7004.13
05/19/2009	8207.00	90.28	89.97	7004.03
05/19/2009	8238.00	90.11	90.12	7003.93
05/19/2009	8269.00	90.17	90.27	7003.85
05/19/2009	8300.00	90.11	90.56	7003.78
05/20/2009	8331.00	89.72	90.66	7003.82
05/20/2009	8363.00	89.78	90.47	7003.96
05/20/2009	8394.00	88.79	90.73	7004.73
05/20/2009	8425.00	87.82	90.95	7005.43
05/20/2009	8456.00	87.76	90.81	7006.62
05/20/2009	8487.00	87.76	90.91	7009.99
05/20/2009	8518.00	87.65	91.23	7009.08
05/20/2009	8549.00	89.05	90.71	7009.97
05/20/2009	8580.00	89.33	91.16	7010.41
05/20/2009	8612.00	89.38	91.59	7010.77
05/20/2009	8643.00	88.94	91.48	7011.22
05/20/2009	8674.00	88.94	91.79	7011.80
05/20/2009	8705.00	88.80	91.24	7012.46
05/20/2009	8736.00	88.54	91.24	7013.24
05/20/2009	8767.00	88.49	91.60	7014.04

Date	Depth	Dev	Dir	TVD
05/21/2009	8799.00	88.38	91.70	7014.90
05/21/2009	8830.00	88.49	91.89	7015.76
05/21/2009	8861.00	88.60	91.94	7016.55
05/21/2009	8892.00	88.38	92.34	7017.36
05/21/2009	8923.00	88.10	90.44	7018.32
05/21/2009	8954.00	88.10	89.11	7019.34
05/21/2009	8985.00	88.04	89.13	7020.39
05/21/2009	9016.00	89.38	89.16	7021.09
05/21/2009	9048.00	89.78	89.28	7021.32
05/21/2009	9079.00	89.89	89.25	7021.41
05/21/2009	9110.00	90.00	89.32	7021.44
05/21/2009	9141.00	90.06	89.55	7021.42
05/22/2009	9172.00	90.06	89.61	7021.39
05/22/2009	9204.00	90.06	89.80	7012.36
05/22/2009	9235.00	89.94	89.86	7021.41
05/22/2009	9266.00	89.94	90.05	7021.39
05/22/2009	9297.00	88.60	89.70	7021.78
05/22/2009	9328.00	88.15	89.53	7022.66
05/22/2009	9357.00	87.87	89.59	7023.74
05/22/2009	9390.00	87.76	89.98	7024.92
05/22/2009	9421.00	87.81	90.17	7026.12
05/22/2009	9452.00	89.50	89.87	7026.85
05/22/2009	9483.00	89.89	90.32	7027.12
05/22/2009	9514.00	89.78	90.72	7024.10
05/23/2009	9545.00	89.16	91.10	7027.39
05/23/2009	9577.00	89.10	91.21	7028.36
05/23/2009	9608.00	89.16	91.29	7028.35
05/23/2009	9670.00	89.16	91.74	7029.27
05/24/2009	9701.00	89.16	91.18	7029.71
05/24/2009	9732.00	88.71	90.34	7030.29
05/24/2009	9763.00	88.60	89.95	7031.01
05/24/2009	9795.00	88.60	89.98	7030.29
05/24/2009	9826.00	88.49	90.16	7032.59
05/24/2009	9857.00	88.38	90.37	7033.43
05/24/2009	9888.00	88.66	89.72	7034.23
05/24/2009	9919.00	88.82	89.75	7034.91
05/24/2009	9950.00	89.61	89.78	7035.34
05/24/2009	9981.00	89.89	89.77	7035.47
05/24/2009	10012.00	90.22	89.66	7035.44
05/24/2009	10074.00	90.06	89.71	7035.17
05/24/2009	10136.00	88.71	89.11	7035.76
05/24/2009	10043.00	90.39	90.00	7035.28
05/24/2009	10105.00	89.50	89.43	7035.29
05/24/2009	10168.00	88.60	89.01	7036.51
05/24/2009	10199.00	88.71	89.29	7037.24
05/25/2009	10230.00	88.83	89.29	7037.90
05/25/2009	10261.00	88.82	89.09	7038.54
05/25/2009	10292.00	88.71	88.81	7039.21
05/25/2009	10417.00	89.44	88.82	7041.76
05/25/2009	10323.00	88.60	88.77	7039.93
05/25/2009	10354.00	88.66	89.01	7040.67
05/25/2009	10365.00	89.22	88.65	7041.25
05/25/2009	10448.00	89.33	88.77	7041.97
05/25/2009	10479.00	89.33	88.85	7042.32
05/25/2009	10510.00	89.38	89.11	7042.67
05/25/2009	10541.00	89.27	89.37	7042.03
05/25/2009	10572.00	89.16	89.54	7043.46
05/25/2009	10603.00	89.38	89.46	7043.85
05/25/2009	10634.00	89.27	89.66	7044.22
05/25/2009	10666.00	89.22	89.80	7044.64
05/25/2009	10697.00	89.16	89.80	7045.08
05/25/2009	10728.00	88.94	90.06	7045.59

Date	Depth	Dev	Dir	TVD
05/25/2009	10759.00	88.88	89.95	7046.19
05/25/2009	10790.00	88.82	89.93	7046.80
05/26/2009	10821.00	88.60	90.42	7047.50
05/26/2009	10852.00	89.27	89.91	7048.08
05/26/2009	10883.00	89.50	89.97	7048.41
05/26/2009	10914.00	89.55	90.22	7048.67
05/26/2009	10945.00	89.50	90.35	7048.92
05/26/2009	10976.00	89.50	90.34	7049.19
05/26/2009	11007.00	89.55	90.40	7049.45
05/26/2009	11039.00	89.27	90.27	7049.78
05/26/2009	11070.00	89.05	90.22	7050.23
05/26/2009	11101.00	89.16	90.21	7050.72
05/26/2009	11132.00	89.22	90.02	7051.16
05/26/2009	11163.00	89.38	90.17	7051.54
05/26/2009	11194.00	89.33	90.17	7051.88
05/26/2009	11256.00	89.38	90.31	7052.57
05/26/2009	11288.00	89.89	90.10	7052.77
05/26/2009	11319.00	90.06	89.96	7052.79
05/26/2009	11350.00	90.06	89.89	7052.75
05/26/2009	11381.00	89.83	90.24	7042.77
05/26/2009	11412.00	89.83	90.32	7052.84
05/26/2009	11443.00	89.89	90.45	7052.92
05/26/2009	11474.00	90.06	90.62	7052.93
05/26/2009	11505.00	90.17	90.64	7052.70
05/27/2009	11538.00	90.22	90.81	7052.76
05/27/2009	11568.00	89.72	90.80	7052.78
05/27/2009	11599.00	89.50	90.93	7052.99
05/27/2009	11630.00	89.10	91.05	7053.37
# EOF				