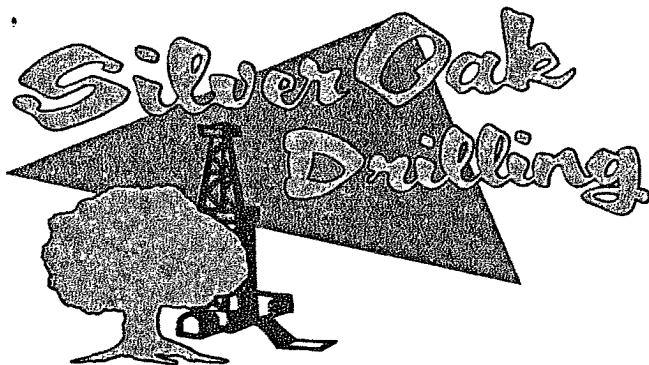




PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

SUR: E-21-15s-31e, 1675/N & 330/W
BHL: H-21-15s-31e, 1664/N & 4948/W
API # 30-005-29082

November 14, 2009

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

30-005-29082
RE: Tom State #2
1675' FNL & 330' FWL
Sec. 21, T15S, R31E
Chaves County, New Mexico

Dear Sir,

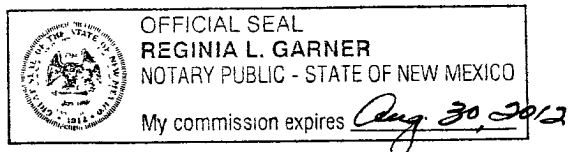
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 14th day of November, 2009.

Notary Public

Pason DataHub Deviation Survey 2009/11/13 08:47:15

Well Dossier 1252261100 - TOM STATE # 2

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#	Date	Depth	Deviation	Direction	TVD
	9/7/2009	157.00	0.10	58.10	0.00
	9/7/2009	344.00	0.10	51.10	0.00
	9/7/2009	500.00	0.00	196.10	0.00
	9/8/2009	649.00	0.07	42.10	0.00
	9/8/2009	805.00	0.06	48.10	0.00
	9/8/2009	960.00	0.40	134.10	0.00
	9/8/2009	1116.00	0.20	195.10	0.00
	9/8/2009	1303.00	0.20	200.10	0.00
	9/8/2009	1332.00	0.02	61.10	0.00
	9/10/2009	1377.00	0.00	0.00	0.00
	9/10/2009	1512.00	0.00	16.10	0.00
	9/10/2009	1668.00	0.40	215.10	0.00
	9/10/2009	1823.00	1.00	131.10	0.00
	9/10/2009	1982.00	1.30	130.10	0.00
	9/10/2009	2073.00	1.60	108.10	0.00
	9/10/2009	2168.00	2.30	108.10	0.00
	9/10/2009	2207.00	2.40	107.10	0.00
	9/12/2009	2422.00	1.90	100.10	0.00
	9/12/2009	2484.00	1.40	113.10	0.00
	9/12/2009	2541.00	1.20	102.10	0.00
	9/12/2009	2604.00	1.10	119.10	0.00
	9/12/2009	2703.00	1.10	122.10	0.00
	9/12/2009	2789.00	0.80	110.10	0.00
	9/13/2009	2889.00	0.04	107.10	0.00
	9/13/2009	2983.00	0.06	152.10	0.00
	9/13/2009	3237.00	0.60	0.00	0.00
	9/14/2009	3445.00	0.50	0.00	0.00
	9/15/2009	3686.00	0.20	0.00	0.00
	9/15/2009	3904.00	0.20	0.00	0.00
	9/15/2009	4122.00	0.20	0.00	0.00
	9/16/2009	4340.00	0.10	0.00	0.00
	9/17/2009	4567.00	0.10	0.00	0.00
	9/17/2009	4785.00	0.20	0.00	0.00
	9/17/2009	5003.00	0.10	0.00	0.00
	9/18/2009	5221.00	0.50	0.00	0.00
	9/18/2009	5439.00	0.60	0.00	0.00
	9/18/2009	5657.00	1.30	0.00	0.00
	9/23/2009	6054.00	1.10	317.75	6053.38
	9/23/2009	6147.00	0.35	141.41	6173.37
	9/24/2009	6241.00	0.26	151.92	6240.37
	9/24/2009	6334.00	0.26	187.81	6333.37
	9/24/2009	6427.00	0.35	203.69	6426.37
	9/24/2009	6521.00	0.88	157.12	6520.37
	9/24/2009	6614.00	0.88	158.92	6613.26
	9/25/2009	6707.00	0.44	278.40	6706.35
	9/25/2009	6800.00	0.53	282.89	6799.35
	9/25/2009	6984.00	0.53	303.85	6893.34
	9/25/2009	6987.00	0.62	299.84	6986.34
	9/25/2009	7080.00	0.50	300.86	7079.33
	9/26/2009	7174.00	0.44	274.10	7173.33
	9/26/2009	7236.00	0.53	275.62	7235.33

Pason DataHub Deviation Survey 2009/11/13 08:47:15

Well Dossier 1252261100 - TOM STATE # 2

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#	Date	Depth	Deviation	Direction	TVD
	9/27/2009	7423.00	0.44	306.34	7422.32
	9/27/2009	7516.00	0.35	292.41	7515.32
	9/28/2009	7609.00	0.35	256.59	0.00
	9/28/2009	7702.00	0.18	218.55	0.00
	9/28/2009	7796.00	0.44	268.01	7795.32
	9/28/2009	7889.00	0.44	273.55	0.00
	9/29/2009	7983.00	0.35	256.36	7982.31
	9/29/2009	8076.00	0.35	283.48	8075.31
	9/29/2009	8170.00	0.35	303.42	8169.31
	9/29/2009	8263.00	0.26	343.36	8262.31
	9/29/2009	8357.00	0.26	22.21	8356.31
	9/29/2009	8450.00	0.18	10.75	0.00
	9/30/2009	8544.00	0.62	313.88	8543.30
	9/30/2009	8637.00	0.70	316.57	8636.30
	10/1/2009	8730.00	0.97	331.34	8729.29
	10/1/2009	8824.00	0.88	332.32	8823.28
	10/2/2009	8917.00	0.79	330.19	8916.27
	10/3/2009	9010.00	0.79	336.35	9009.26
	10/3/2009	9104.00	0.70	334.55	9103.25
	10/3/2009	9197.00	0.62	320.11	9169.24
	10/4/2009	9291.00	0.88	249.49	9290.24
	10/4/2009	9384.00	1.14	243.52	9383.22
	10/5/2009	9477.00	1.23	239.83	9476.20
	10/5/2009	9570.00	1.23	244.19	9569.18
	10/6/2009	9664.00	0.97	261.42	9663.16
	10/9/2009	9757.00	1.06	254.22	9756.15
	10/10/2009	9850.00	0.79	230.54	9849.14
	10/10/2009	9944.00	0.97	227.38	9949.13
	10/10/2009	10037.00	0.70	133.74	10036.12
	10/11/2009	10131.00	0.62	106.85	10130.11
	10/11/2009	10224.00	0.53	93.88	10223.11
	10/12/2009	10318.00	0.70	90.55	10317.10
	10/12/2009	10411.00	0.88	81.79	10410.99
	10/14/2009	10505.00	1.06	78.86	10504.08
	10/15/2009	10598.00	0.70	95.29	10597.07
	10/15/2009	10691.00	0.53	95.31	10690.06
	10/15/2009	10746.00	0.53	96.56	10745.06
	10/20/2009	8292.00	2.99	81.70	8291.30
	10/21/2009	8262.00	2.90	81.95	8261.29
	10/21/2009	8293.00	6.07	81.41	8292.20
	10/21/2009	8325.00	9.85	83.82	8323.89
	10/21/2009	8348.00	12.75	86.47	8346.28
	10/21/2009	8379.00	15.65	90.67	8376.33
	10/21/2009	8410.00	16.09	89.92	8406.33
	10/22/2009	8441.00	18.03	89.75	8435.79
	10/22/2009	8472.00	22.16	90.74	8464.98
	10/22/2009	8504.00	26.47	91.67	8494.05
	10/22/2009	8535.00	29.90	94.08	8521.37
	10/22/2009	8566.00	32.01	92.99	8547.95
	10/23/2009	8597.00	34.12	92.67	8573.91
	10/23/2009	8626.00	37.64	92.34	8599.05

Pason DataHub Deviation Survey 2009/11/13 08:47:15

Well Dossier 1252261100 - TOM STATE # 2

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#	Date	Depth	Deviation	Direction	TVD
	10/23/2009	8659.00	41.68	92.96	8622.90
	10/23/2009	8691.00	45.37	92.07	8646.10
	10/23/2009	8722.00	48.54	92.60	8667.26
	10/23/2009	8753.00	51.27	92.70	8687.22
	10/23/2009	8784.00	54.96	92.33	8705.83
	10/24/2009	8815.00	58.92	91.32	8722.74
	10/24/2009	8846.00	62.96	89.95	8737.79
	10/24/2009	8877.00	65.69	89.79	8751.22
	10/24/2009	8908.00	68.24	89.91	8763.35
	10/25/2009	9840.00	71.84	88.75	8774.28
	10/26/2009	8988.00	78.05	85.83	8786.75
	10/26/2009	9019.00	82.36	85.65	8792.03
	10/26/2009	9050.00	85.40	86.59	8795.33
	10/27/2009	9082.00	88.04	86.59	8797.16
	10/27/2009	9113.00	88.55	86.67	8798.07
	10/27/2009	9144.00	88.55	86.55	8798.86
	10/27/2009	9175.00	88.88	87.09	8799.56
	10/27/2009	9206.00	88.88	87.36	8000.17
	10/28/2009	9237.00	88.49	87.26	8800.88
	10/28/2009	9268.00	88.15	87.37	8801.79
	10/28/2009	9300.00	88.26	86.85	8802.78
	10/28/2009	9331.00	89.05	87.24	8803.51
	10/28/2009	9362.00	89.05	88.83	8804.02
	10/28/2009	9393.00	89.16	88.99	8804.51
	10/28/2009	9424.00	89.50	89.47	8804.87
	10/28/2009	9455.00	89.66	89.89	8805.10
	10/28/2009	9486.00	89.16	90.26	8805.30
	10/28/2009	9518.00	89.50	89.69	8805.54
	10/28/2009	9549.00	89.38	89.78	8805.85
	10/29/2009	9580.00	89.55	89.64	8806.14
	10/29/2009	9611.00	89.50	89.64	8806.40
	10/29/2009	9642.00	90.17	90.53	8806.49
	10/29/2009	9673.00	90.22	91.13	8806.38
	10/29/2009	9705.00	90.11	91.16	8806.29
	10/29/2009	9736.00	89.66	91.26	8806.35
	10/29/2009	9767.00	89.44	90.95	8806.60
	10/29/2009	9798.00	89.55	90.89	8806.87
	10/29/2009	9829.00	90.06	91.37	8806.97
	10/29/2009	9860.00	90.39	91.49	8806.85
	10/29/2009	9891.00	90.17	91.94	8806.70
	10/29/2009	9953.00	89.89	91.93	8806.63
	10/29/2009	9984.00	90.84	92.02	8806.43
	10/30/2009	10015.00	91.57	91.62	8805.78
	10/30/2009	10046.00	91.23	92.62	8805.02
	10/30/2009	10109.00	91.79	92.55	8803.42
	10/30/2009	10140.00	91.23	92.30	8802.61
	10/30/2009	10171.00	90.90	92.10	8802.03
	10/30/2009	10202.00	89.89	91.25	8801.82
	10/30/2009	10233.00	88.83	90.88	8802.16
	10/30/2009	10265.00	88.37	90.46	8802.94
	10/30/2009	10296.00	88.15	91.02	8803.88

Pason DataHub Deviation Survey 2009/11/13 08:47:15

Well Dossier 1252261100 - TOM STATE # 2

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#	Date	Depth	Deviation	Direction	TVD
	10/30/2009	10327.00	88.15	91.02	8804.89
	10/30/2009	10358.00	87.99	91.21	8805.93
	10/30/2009	10389.00	89.10	90.79	8806.72
	10/31/2009	10420.00	89.61	90.92	8807.07
	10/31/2009	10451.00	89.50	91.43	8807.31
	10/31/2009	10482.00	89.72	91.27	8807.52
	10/31/2009	10514.00	89.66	90.96	8807.59
	10/31/2009	10545.00	89.50	91.17	8807.92
	10/31/2009	10576.00	89.38	91.26	8808.22
	10/31/2009	10607.00	89.44	89.96	8808.54
	10/31/2009	10638.00	89.33	89.70	8808.87
	10/31/2009	10669.00	89.33	89.54	8809.24
	10/31/2009	10700.00	89.22	89.89	8809.63
	10/31/2009	10731.00	89.10	89.77	8810.08
	10/31/2009	10763.00	88.99	89.75	8810.62
	10/31/2009	10794.00	88.99	89.66	8811.16
	10/31/2009	10825.00	89.83	89.72	8811.48
	10/31/2009	10856.00	90.45	89.31	8811.40
	10/31/2009	10887.00	90.28	89.89	8811.21
	10/31/2009	10919.00	90.11	90.07	8811.10
	11/1/2009	10950.00	90.17	90.21	8811.02
	11/1/2009	10981.00	90.67	89.83	8810.80
	11/1/2009	11012.00	90.12	89.61	8810.57
	11/1/2009	11043.00	90.00	88.96	8810.52
	11/1/2009	11074.00	90.22	89.76	8810.46
	11/1/2009	11105.00	89.33	89.57	8810.58
	11/2/2009	11150.00	88.77	89.81	8811.33
	11/2/2009	11211.00	88.71	90.02	8812.66
	11/2/2009	11242.00	88.55	90.31	8813.40
	11/2/2009	11274.00	89.10	89.07	8814.05
	11/2/2009	11305.00	89.78	88.09	8814.09
	11/2/2009	11367.00	88.60	87.35	8815.34
	11/2/2009	11398.00	88.77	87.62	8816.05
	11/2/2009	11429.00	88.71	87.62	8816.73
	11/2/2009	11460.00	88.54	87.86	8817.48
	11/2/2009	11491.00	88.38	87.57	8819.31
	11/2/2009	11523.00	88.10	87.83	8819.29
	11/2/2009	11554.00	87.76	87.74	8820.41
	11/3/2009	11585.00	87.54	87.51	8821.68
	11/3/2009	11616.00	88.21	87.76	8822.83
	11/3/2009	11647.00	89.16	88.49	8823.55
	11/3/2009	11678.00	89.25	88.66	8824.03
	11/3/2009	11700.00	89.05	88.66	8824.03
	11/3/2009	11710.00	88.88	88.63	8824.61
	11/3/2009	11741.00	88.82	88.62	8825.23
	11/3/2009	11772.00	89.62	88.71	8825.81
	11/3/2009	11803.00	88.94	88.76	8826.35
	11/4/2009	11834.00	88.83	88.63	8826.95
	11/4/2009	11865.00	89.33	89.73	8827.45
	11/4/2009	11896.00	89.38	90.19	8827.80
	11/4/2009	11927.00	89.16	89.89	8828.19

Pason DataHub Deviation Survey 2009/11/13 08:47:15

Well Dossier 1252261100 - TOM STATE # 2

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#	Date	Depth	Deviation	Direction	TVD
	11/4/2009	11958.00	88.88	89.94	8828.72
	11/4/2009	12020.00	88.85	89.86	8830.04
	11/4/2009	12052.00	89.22	89.82	8830.58
	11/4/2009	12083.00	89.16	89.76	8931.01
	11/4/2009	12114.00	88.99	89.63	8831.51
	11/4/2009	12145.00	89.83	89.40	8831.99
	11/4/2009	12176.00	90.06	88.88	8832.02
	11/4/2009	12207.00	89.79	88.92	8822.07
	11/4/2009	12238.00	90.11	88.63	8832.10
	11/4/2009	12270.00	90.50	88.54	8831.93
	11/5/2009	12301.00	90.50	88.66	8831.66
	11/5/2009	12332.00	90.28	88.35	8831.45
	11/5/2009	12363.00	90.28	88.47	8831.29
	11/5/2009	12394.00	90.22	88.44	8831.16
	11/5/2009	12425.00	90.11	88.19	8831.07
	11/5/2009	12457.00	90.06	88.05	8831.02
	11/5/2009	12519.00	89.66	87.80	8831.22
	11/5/2009	12519.00	89.66	87.80	8831.22
	11/5/2009	12550.00	89.72	88.75	8831.38
	11/5/2009	12581.00	89.66	89.35	8831.95
	11/5/2009	12581.00	89.66	89.35	8831.95
	11/5/2009	12612.00	89.50	89.30	8832.21
	11/5/2009	12644.00	89.44	89.30	8832.08
	11/5/2009	12675.00	89.94	90.12	8832.21
	11/5/2009	12706.00	90.00	90.97	8832.26
	11/5/2009	12737.00	90.00	90.99	8832.26
	11/6/2009	12768.00	89.94	91.19	8832.28
	11/6/2009	12799.00	89.94	91.32	8832.31
	11/6/2009	12830.00	89.89	91.43	8832.35
	11/6/2009	12861.00	89.94	91.45	8832.40
	11/6/2009	12892.00	90.11	91.49	8832.39
	11/6/2009	12923.00	90.39	91.81	8832.25
	11/6/2009	12954.00	90.62	91.87	8831.98
	11/6/2009	12985.00	90.67	92.12	8831.63
	11/7/2009	13017.00	90.45	92.30	8831.32
	11/7/2009	13048.00	90.34	92.84	8811.10
	11/7/2009	13079.00	90.17	92.69	8830.87
	11/7/2009	13110.00	89.83	92.71	8830.97
	11/7/2009	13117.00	89.61	92.74	8831.00

EOF