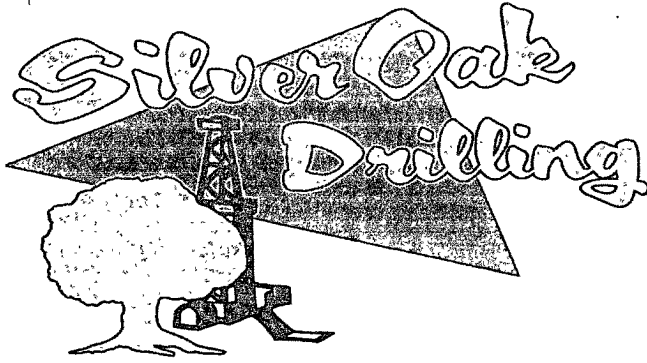




PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

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SEP 07 2010
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July 6, 2010

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

RE: Tom State #1
355' FNL & 330' FEL
Sec. 21, T17S, R31E
Chaves County, New Mexico

Dear Sir,

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

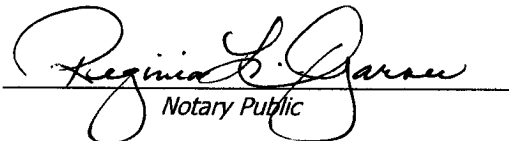
SUR @ A-21-15s-31e, 355/N & 330/E
BHL @ D-21-15s-31e, 375/N & 4955/E
API # 30-005-39081

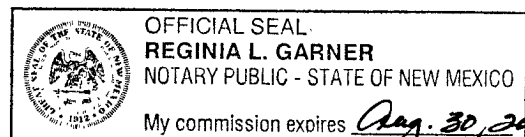
Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 6th day of July, 2010.


Notary Public



Pason DataHub Deviation Survey 2010/07/16 11:52:28
 # Well Dossier 1274040860 - TOM STATE #1
 #

#	Date	Depth	Deviation	Direction	TVD
	5/17/2010	238	0.40	0.00	0.00
	5/18/2010	418	0.20	0.00	0.00
	5/18/2010	598	0.40	0.00	0.00
	5/18/2010	775	0.40	0.00	0.00
	5/18/2010	922	0.20	0.00	0.00
	5/19/2010	1041	0.80	0.00	0.00
	5/19/2010	1164	0.80	0.00	0.00
	5/19/2010	1287	1.00	0.00	0.00
	5/21/2010	1440	0.90	349.30	0.00
	5/21/2010	1532	1.00	359.20	0.00
	5/21/2010	1625	1.60	44.90	0.00
	5/21/2010	1716	0.80	359.50	0.00
	5/21/2010	1811	1.40	74.10	0.00
	5/21/2010	1903	0.50	131.00	0.00
	5/21/2010	1997	1.50	54.00	0.00
	5/21/2010	2087	1.80	68.80	0.00
	5/21/2010	2176	1.80	103.90	0.00
	5/21/2010	2267	1.50	27.30	0.00
	5/21/2010	2364	0.80	125.70	0.00
	5/21/2010	2457	0.40	140.09	0.00
	5/21/2010	2550	1.20	57.20	0.00
	5/22/2010	2644	0.20	163.40	0.00
	5/22/2010	2738	1.00	65.60	0.00
	5/22/2010	2831	0.50	103.90	0.00
	5/22/2010	2925	0.50	11.10	0.00
	5/22/2010	3019	0.40	15.40	0.00
	5/22/2010	3112	0.60	58.60	0.00
	5/22/2010	3173	0.40	353.20	0.00
	5/22/2010	3298	0.60	34.70	0.00
	5/22/2010	3391	0.40	47.70	0.00
	5/22/2010	3485	0.60	37.90	0.00
	5/22/2010	3578	0.50	63.90	0.00
	5/22/2010	3672	0.50	34.70	0.00
	5/22/2010	3767	0.30	91.30	0.00
	5/23/2010	3858	0.10	147.90	0.00
	5/23/2010	3951	0.10	290.30	0.00
	5/23/2010	4044	0.20	65.60	0.00
	5/23/2010	4134	0.40	325.40	0.00
	5/23/2010	4486	0.40	357.10	0.00
	5/24/2010	4605	0.10	81.80	0.00
	5/24/2010	4696	0.20	322.30	0.00
	5/24/2010	4800	0.20	319.50	0.00
	5/24/2010	4956	0.40	284.30	0.00
	5/24/2010	4987	0.10	293.10	0.00
	5/25/2010	5085	0.10	240.70	0.00
	5/25/2010	5168	0.60	286.40	0.00
	5/26/2010	5258	0.80	293.10	0.00
	5/26/2010	5353	0.80	288.50	0.00
	5/26/2010	5446	0.40	282.20	0.00
	5/26/2010	5540	0.60	275.50	0.00

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 # Well Dossier 1274040860 - TOM STATE #1
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#	Date	Depth	Deviation	Direction	TVD
5/26/2010	5633	0.70	293.10	0.00	
5/26/2010	5726	0.80	277.30	0.00	
5/27/2010	5824	0.60	295.50	0.00	
5/27/2010	5909	0.70	281.10	0.00	
5/27/2010	6006	0.70	281.50	0.00	
5/27/2010	6099	0.40	301.20	0.00	
5/27/2010	6193	0.80	306.80	0.00	
5/27/2010	6255	0.70	307.20	0.00	
5/27/2010	6410	0.40	302.90	0.00	
5/28/2010	6533	0.50	302.90	6540.00	
5/29/2010	6808	0.50	292.10	0.00	
5/29/2010	6895	0.44	195.82	6890.54	
5/29/2010	6989	0.70	227.45	6988.54	
5/29/2010	7082	0.79	169.05	7081.53	
5/29/2010	7176	0.79	164.18	7175.52	
5/30/2010	7269	1.85	152.38	0.00	
5/30/2010	7362	2.11	164.88	0.00	
5/30/2010	7456	1.58	156.46	7455.39	
5/30/2010	7549	1.58	151.12	7548.36	
5/30/2010	7643	1.58	144.79	7642.32	
5/30/2010	7736	2.29	163.69	7735.27	
5/30/2010	7829	2.11	167.51	7828.20	
5/31/2010	7923	2.02	165.17	7922.00	
5/31/2010	8110	1.32	136.50	8109.06	
5/31/2010	8203	0.88	144.90	8202.04	
5/31/2010	8297	0.62	126.76	8296.03	
6/1/2010	8483	1.06	136.15	8482.00	
6/1/2010	8670	1.06	88.93	8668.99	
6/1/2010	8763	1.14	79.69	8761.97	
6/1/2010	8857	1.14	145.60	8855.95	
6/2/2010	8950	0.62	39.04	8948.00	
6/2/2010	9043	0.25	13.27	9041.00	
6/3/2010	9329	0.20	0.00	0.00	
6/4/2010	9464	0.10	0.00	0.00	
6/7/2010	8221	3.96	241.47	8219.96	
6/8/2010	8252	7.39	249.69	8250.81	
6/8/2010	8283	10.90	255.92	8281.46	
6/8/2010	8315	13.89	261.78	8312.72	
6/9/2010	8346	15.92	263.58	8342.68	
6/9/2010	8377	17.76	265.03	8372.34	
6/9/2010	8407	20.58	264.13	8400.62	
6/10/2010	8439	22.95	263.76	8430.00	
6/10/2010	8470	25.32	263.26	8458.70	
6/11/2010	8501	26.29	264.44	8486.00	
6/11/2010	8533	29.33	265.81	8515.05	
6/11/2010	8538	38.69	270.32	0.00	
6/11/2010	8564	31.57	266.11	8541.92	
6/11/2010	8595	34.56	267.24	8567.90	
6/11/2010	8626	37.72	269.06	8592.93	
6/11/2010	8638	38.69	270.32	0.00	

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#	Date	Depth	Deviation	Direction	TVD
6/15/2010	8730	46.17	274.59	8670.23	
6/15/2010	8761	50.21	274.03	8690.89	
6/15/2010	8793	54.17	273.20	8710.51	
6/15/2010	8825	58.21	272.66	8728.21	
6/15/2010	8857	62.08	270.83	8744.24	
6/15/2010	8889	66.13	271.12	8758.21	
6/16/2010	8921	70.70	270.68	876.98	
6/16/2010	9080	83.71	269.02	8802.89	
6/16/2010	9112	86.53	269.10	8805.61	
6/16/2010	9143	88.99	269.33	8806.82	
6/17/2010	9175	89.43	269.65	8807.26	
6/17/2010	9238	92.42	264.25	8806.55	
6/17/2010	9270	93.03	269.48	8805.02	
6/17/2010	9301	39.47	270.14	8803.27	
6/17/2010	9365	91.63	269.75	8800.89	
6/17/2010	9397	90.45	269.51	8800.03	
6/17/2010	9429	90.75	270.22	8799.41	
6/17/2010	9461	90.92	270.19	8798.95	
6/18/2010	9524	91.01	269.92	8796.69	
6/18/2010	9556	90.92	270.04	8796.26	
6/18/2010	9588	90.13	269.69	8797.12	
6/18/2010	9779	90.48	270.09	8995.81	
6/18/2010	9842	90.75	270.48	8795.14	
6/18/2010	9938	91.36	269.68	8793.37	
6/18/2010	10002	91.80	269.19	8792.61	
6/18/2010	10034	92.15	269.59	8790.57	
6/18/2010	10129	89.96	269.36	8789.66	
6/18/2010	10225	89.52	269.18	8790.09	
6/19/2010	10320	90.92	268.73	8789.73	
6/19/2010	10416	91.36	268.28	8788.10	
6/19/2010	10477	91.45	268.22	8788.22	
6/19/2010	10543	89.96	268.44	8785.51	
6/19/2010	10575	90.04	268.67	8785.11	
6/19/2010	10670	91.54	270.22	8784.20	
6/19/2010	10765	90.57	269.11	8782.45	
6/20/2010	10861	92.33	269.62	8779.49	
6/20/2010	10957	92.42	269.84	8772.10	
6/21/2010	11105	94.18	270.39	8767.96	
6/22/2010	11137	93.74	272.06	8765.75	
6/22/2010	11205	90.40	272.23	8763.30	
6/22/2010	11233	91.01	273.34	8762.95	
6/22/2010	11296	92.68	273.29	8760.92	
6/22/2010	11328	90.48	272.79	8760.04	
6/22/2010	11392	89.69	271.93	8759.80	
6/22/2010	11456	88.72	269.97	8761.00	
6/22/2010	11524	88.64	270.25	8760.26	
6/23/2010	11488	87.76	268.73	8761.98	
6/23/2010	11530	87.14	268.52	8764.37	
6/24/2010	11562	87.17	268.39	8769.04	
6/24/2010	11626	89.34	268.65	8768.16	

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Well Dossier 1274040860 - TOM STATE #1
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#	Date	Depth	Deviation	Direction	TVD
	6/24/2010	11657	90.13	268.23	8767.82
	6/24/2010	11666	87.76	268.45	8767.39
	6/24/2010	11689	91.71	268.34	8767.31
	6/25/2010	1208	88.29	277.01	8759.90
	6/25/2010	11785	92.95	269.26	8762.93
	6/25/2010	11817	92.33	272.00	8761.45
	6/25/2010	11849	90.57	271.79	8760.40
	6/25/2010	11881	91.71	271.97	8750.67
	6/25/2010	11976	89.60	272.63	8759.31
	6/25/2010	12040	88.81	272.07	8760.71
	6/25/2010	12071	89.69	271.26	8761.12
	6/25/2010	12103	88.20	268.76	8761.71
	6/26/2010	12135	87.58	268.10	8782.59
	6/26/2010	12167	88.02	267.99	8764.11
	6/26/2010	12231	89.87	267.28	8765.24
	6/26/2010	12262	92.42	267.25	8764.45
	6/26/2010	12294	94.09	267.99	8762.64
	6/26/2010	12326	91.28	268.15	8761.14
	6/26/2010	12358	89.16	267.98	8761.01
	6/26/2010	12390	86.35	268.04	8762.27
	6/27/2010	12422	86.35	268.11	8764.30
	6/27/2010	12453	85.56	268.97	8766.49
	6/27/2010	12485	86.70	269.07	8768.65
	6/30/2010	12506	86.88	268.88	8769.83
	6/30/2010	12537	89.52	270.01	8770.80
	6/30/2010	12601	92.24	270.39	8770.04
	6/30/2010	12665	92.42	270.69	8767.44
	6/30/2010	12697	92.59	270.97	8766.04
	6/30/2010	12729	92.86	270.66	8764.52
	6/30/2010	12761	90.84	270.11	8762.37
	6/30/2010	12792	91.01	270.49	8761.65
	6/30/2010	12824	91.01	270.28	8762.42
	7/1/2010	12856	91.19	269.98	8761.81
	7/1/2010	12887	91.10	270.02	8761.19
	7/1/2010	12919	91.71	270.19	8760.40
	7/1/2010	12951	91.71	269.93	8759.45
	7/1/2010	12983	92.15	269.60	8758.37
	7/1/2010	13110	90.48	270.08	8755.87

EOF