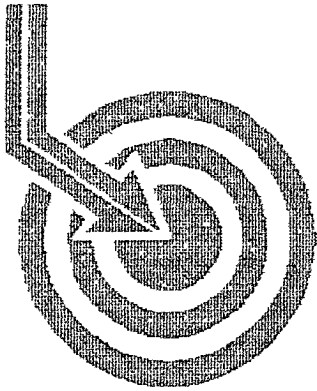


30.015.36523



Scientific Drilling

MACK ENERGY

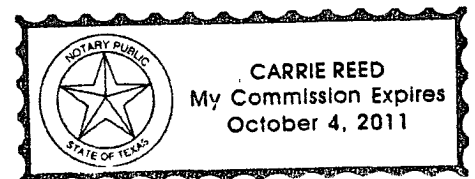
Field: County Line Tank
Site: Eddy County, NM
Well: Giants Federal Com #1
Wellpath: VH - Job #32K1208986
Survey: 12/06/08

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Lu Hart.....Company Representative

Notorized this date 31st of December, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: MACK ENERGY
Field: County Line Tank
Site: Eddy County, NM
Well: Giants Federal Com #1
Wellpath: VH - Job #32K1208986

Date: 01/11/2009 Time: 20:35:06 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grd North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,304.29Az)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 12/06/08
KSRG 0'-6040'

Start Date: 12/06/2008

Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Engineer: Melendez w/GeoGyro
Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.05	94.72	99.99	-0.80	-0.08	0.91	1.05	0.92	94.72
200.00	0.73	139.67	199.98	-2.21	-0.64	2.24	0.74	2.33	105.87
300.00	0.88	144.73	299.97	-3.54	-1.75	3.09	0.17	3.55	119.48
400.00	0.53	142.28	399.97	-4.70	-2.74	3.82	0.35	4.70	125.66
500.00	0.66	132.96	499.96	-5.71	-3.50	4.53	0.16	5.72	127.72
600.00	0.74	121.18	599.95	-6.92	-4.23	5.50	0.16	6.94	127.55
700.00	0.88	110.16	699.94	-8.31	-4.83	6.77	0.21	8.32	125.47
800.00	0.75	115.71	799.93	-9.71	-5.37	8.08	0.15	9.71	123.62
900.00	0.51	103.89	899.93	-10.77	-5.77	9.10	0.27	10.78	122.34
1000.00	0.42	113.58	999.92	-11.55	-6.02	9.87	0.12	11.56	121.37
1100.00	0.37	128.73	1099.92	-12.23	-6.37	10.46	0.12	12.25	121.33
1200.00	0.17	138.74	1199.92	-12.70	-6.68	10.81	0.20	12.71	121.72
1300.00	0.16	123.06	1299.92	-12.98	-6.87	11.03	0.05	12.99	121.92
1400.00	0.15	127.34	1399.92	-13.25	-7.02	11.25	0.02	13.26	121.99
1500.00	0.26	120.89	1499.92	-13.61	-7.22	11.54	0.11	13.62	122.02
1600.00	0.23	260.67	1599.92	-13.69	-7.37	11.54	0.46	13.69	122.56
1700.00	0.06	234.51	1699.92	-13.52	-7.43	11.30	0.18	13.53	123.33
1800.00	0.22	257.30	1799.92	-13.37	-7.50	11.07	0.17	13.37	124.13
1900.00	0.26	283.04	1899.92	-13.03	-7.50	10.66	0.11	13.03	125.11
2000.00	0.44	303.71	1999.91	-12.44	-7.23	10.12	0.22	12.44	125.54
2100.00	0.48	314.72	2099.91	-11.64	-6.72	9.51	0.10	11.64	125.27
2200.00	0.62	318.32	2199.91	-10.70	-6.02	8.85	0.14	10.70	124.25
2300.00	0.81	314.93	2299.90	-9.48	-5.12	7.99	0.19	9.49	122.67
2400.00	0.92	322.17	2399.89	-8.03	-3.99	6.99	0.15	8.05	119.69
2500.00	0.75	316.62	2499.88	-6.62	-2.88	6.05	0.19	6.70	115.43
2600.00	0.73	302.32	2599.87	-5.35	-2.06	5.06	0.19	5.47	112.15
2700.00	0.84	303.02	2699.86	-3.98	-1.32	3.91	0.11	4.13	108.67
2800.00	0.79	301.90	2799.85	-2.56	-0.56	2.71	0.05	2.77	101.63
2900.00	0.77	293.40	2899.84	-1.21	0.07	1.51	0.12	1.51	87.24
3000.00	0.77	288.65	2999.83	0.10	0.55	0.26	0.06	0.61	24.85
3100.00	0.71	280.40	3099.82	1.31	0.88	-0.99	0.12	1.32	311.70
3200.00	0.62	278.21	3199.82	2.37	1.07	-2.13	0.09	2.39	296.64
3300.00	0.33	277.24	3299.81	3.11	1.18	-2.96	0.29	3.18	291.83
3400.00	0.12	243.00	3399.81	3.42	1.17	-3.33	0.24	3.53	289.38
3500.00	0.27	259.18	3499.81	3.63	1.08	-3.66	0.16	3.82	286.46
3600.00	0.15	255.16	3599.81	3.88	1.00	-4.02	0.12	4.14	284.02
3700.00	0.06	232.99	3699.81	3.99	0.94	-4.19	0.10	4.29	282.63
3800.00	0.05	202.56	3799.81	3.99	0.87	-4.24	0.03	4.33	281.54
3900.00	0.18	300.66	3899.81	4.14	0.91	-4.40	0.19	4.49	281.65
4000.00	0.37	309.48	3999.81	4.62	1.19	-4.78	0.19	4.93	284.00
4100.00	0.41	312.14	4099.81	5.30	1.64	-5.29	0.04	5.54	287.18
4200.00	0.38	316.15	4199.80	5.98	2.12	-5.79	0.04	6.16	290.08
4300.00	0.05	95.04	4299.80	6.26	2.35	-5.98	0.42	6.42	291.48
4400.00	0.31	321.14	4399.80	6.48	2.56	-6.10	0.35	6.62	292.75
4500.00	0.37	322.04	4499.80	7.05	3.02	-6.47	0.06	7.14	295.05
4600.00	0.32	332.16	4599.80	7.60	3.52	-6.80	0.08	7.66	297.40
4700.00	0.30	333.65	4699.80	8.08	4.01	-7.05	0.02	8.11	299.62
4800.00	0.23	328.30	4799.80	8.49	4.41	-7.27	0.07	8.50	301.26



Scientific
Drilling

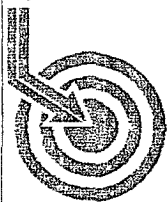
Scientific Drilling International Survey Report

Company: MACK ENERGY
Field: County Line Tank
Site: Eddy County, NM
Well: Giants Federal Com #1
Wellpath: VH - Job #32K1208986

Date: 01/11/2009 Time: 20:35:06 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,304.29Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

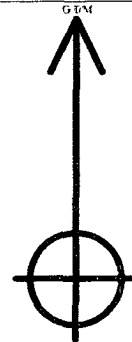
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.27	330.51	4899.80	8.88	4.79	-7.49	0.04	8.89	302.59
5000.00	0.15	7.98	4999.80	9.15	5.12	-7.59	0.18	9.15	304.03
5100.00	0.19	340.19	5099.79	9.35	5.41	-7.63	0.09	9.35	305.35
5200.00	0.30	295.09	5199.79	9.74	5.68	-7.92	0.21	9.74	305.63
5300.00	0.24	269.22	5299.79	10.17	5.78	-8.36	0.13	10.17	304.66
5400.00	0.19	255.20	5399.79	10.45	5.74	-8.73	0.07	10.45	303.30
5500.00	0.15	259.56	5499.79	10.65	5.67	-9.02	0.04	10.66	302.15
5600.00	0.18	277.49	5599.79	10.88	5.67	-9.31	0.06	10.90	301.34
5700.00	0.07	18.16	5699.79	11.04	5.75	-9.44	0.20	11.06	301.32
5800.00	0.14	63.43	5799.79	11.00	5.86	-9.32	0.10	11.01	302.17
5900.00	0.10	66.05	5899.79	10.89	5.95	-9.13	0.04	10.90	303.10
6000.00	0.19	98.52	5999.79	10.70	5.96	-8.88	0.12	10.70	303.86
6040.00	0.40	102.76	6039.79	10.51	5.92	-8.68	0.53	10.51	304.29



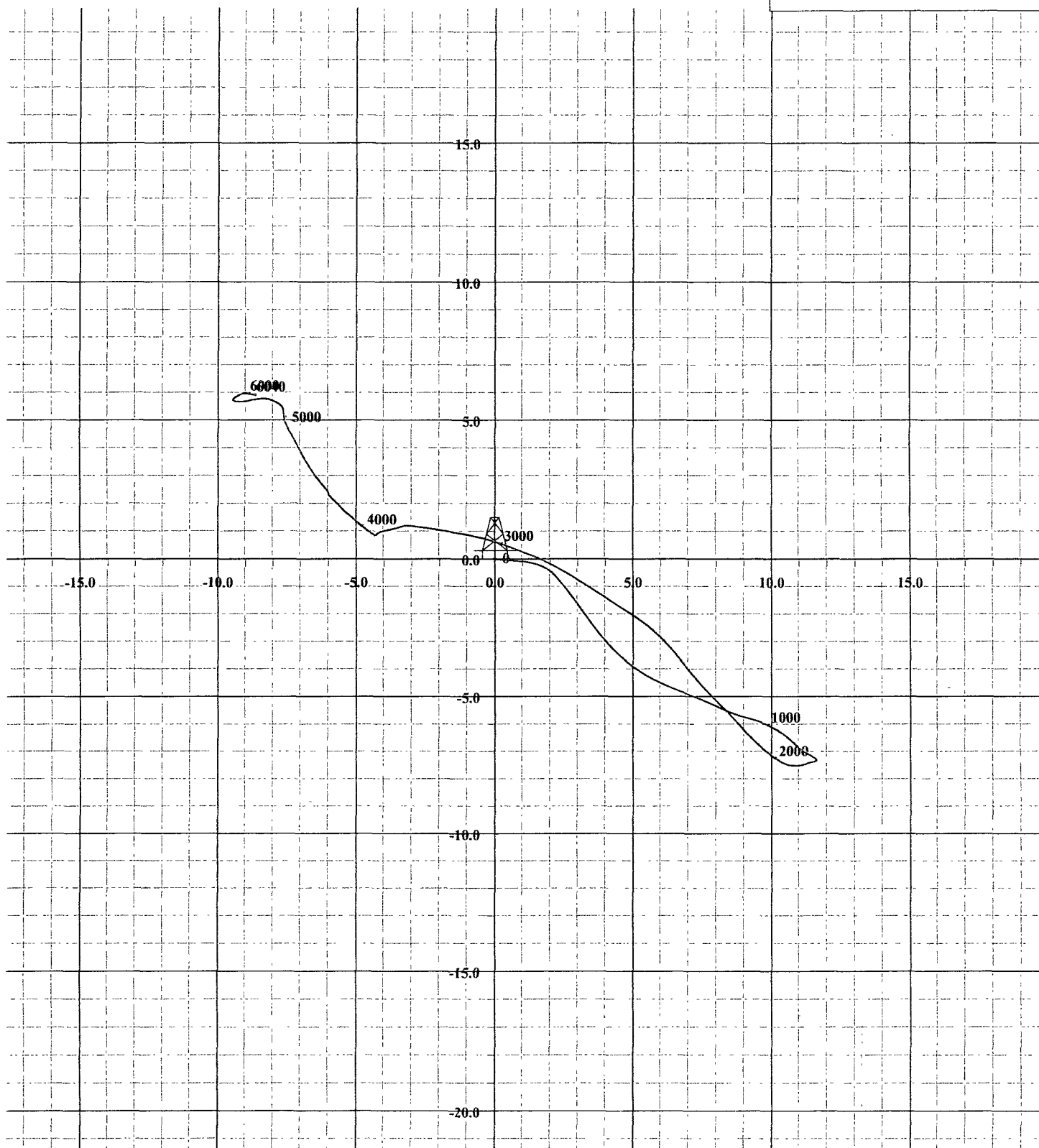
Scientific
Drilling

Field: County Line Tank
Site: Eddy County, NM
Well: Giants Federal Com #1
Wellpath: VH - Job #32K1208986
Survey: 12/06/08



Alignment to Grid North
True North 0.00°
Magnetic North 0.00°
Magnetic Field
Strength 0nT
Dip Angle 0.00°
Date 01/11/2009
Model: mg2000

South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]