

Scientific Drilling International

Survey Report

Company: MACK ENERGY
Field: Fran Paddock
Site: Eddy County, NM
Well: Skelly Unit #912
Wellpath: DH - Job #32D0501307

Date: 8/30/2001
Co-ordinate(NE) Reference: Site: Eddy County, NM, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Well (0.0E,0.0N,180.0Azi)
Survey Calculation Method: Minimum Curvature

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Survey: 5/23/01-5/30/01
 MWD 1620'-4722'

Start Date: 8/30/2001

Company: SDI w/Ryan
Tool: MWD

Engineer: Hoffman/Brussard

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
1620.0	0.00	0.00	1620.0	0.0	0.0	0.0	0.0	0.00
1800.0	0.20	120.00	1800.0	0.2	-0.2	0.3	0.3	120.00
2000.0	0.40	300.00	2000.0	0.0	0.0	0.0	0.0	300.00
2128.0	0.90	178.80	2128.0	0.8	-0.8	-0.4	0.9	207.40
2230.0	2.30	190.80	2230.0	3.6	-3.6	-0.8	3.7	192.04
2344.0	3.40	187.60	2343.8	9.2	-9.2	-1.6	9.3	190.13
2404.0	4.00	186.90	2403.7	13.0	-13.0	-2.1	13.2	189.27
2467.0	5.50	184.10	2466.5	18.2	-18.2	-2.6	18.4	188.14
2529.0	6.50	185.90	2528.1	24.7	-24.7	-3.2	24.9	187.34
2623.0	5.60	189.00	2621.6	34.5	-34.5	-4.4	34.8	187.34
2715.0	6.20	189.70	2713.1	43.8	-43.8	-6.0	44.2	187.77
2840.0	6.80	190.40	2837.3	57.7	-57.7	-8.5	58.4	188.33
2902.0	6.90	189.70	2898.9	65.0	-65.0	-9.7	65.8	188.52
3025.0	6.70	182.40	3021.0	79.5	-79.5	-11.3	80.3	188.09
3177.0	7.10	178.80	3171.9	97.7	-97.7	-11.5	98.4	186.69
3269.0	6.90	181.30	3263.2	108.9	-108.9	-11.5	109.5	186.01
3331.0	6.90	183.10	3324.8	116.4	-116.4	-11.8	117.0	185.77
3458.0	6.80	179.00	3450.9	131.5	-131.5	-12.0	132.1	185.23
3552.0	7.00	175.90	3544.2	142.8	-142.8	-11.5	143.3	184.62
3702.0	7.10	175.10	3693.0	161.1	-161.1	-10.1	161.5	183.58
3862.0	8.00	172.80	3851.7	182.0	-182.0	-7.8	182.2	182.47
3985.0	7.90	175.50	3973.5	199.0	-199.0	-6.1	199.1	181.76
4077.0	7.60	176.40	4064.6	211.3	-211.3	-5.2	211.4	181.42
4140.0	7.30	176.40	4127.1	219.5	-219.5	-4.7	219.5	181.23
4264.0	5.70	189.60	4250.3	233.4	-233.4	-5.3	233.5	181.29
4325.0	4.70	191.50	4311.1	238.9	-238.9	-6.3	238.9	181.50
4388.0	3.00	190.70	4373.9	243.0	-243.0	-7.1	243.1	181.67
4532.0	1.10	184.10	4517.8	248.1	-248.1	-7.9	248.2	181.82
4564.0	0.80	196.10	4549.8	248.6	-248.6	-8.0	248.7	181.83
4600.0	0.40	241.40	4585.8	248.9	-248.9	-8.1	249.1	181.87
4636.0	0.60	323.80	4621.8	248.8	-248.8	-8.4	249.0	181.92
4722.0	0.80	301.10	4707.8	248.2	-248.2	-9.1	248.3	182.11