

Scientific Drilling International

Survey Report

Company: MACK ENERGY
Field: Loco Hills Padlock
Site: Eddy County, NM
Well: Brigham "H" #5
Wellpath: DH - Job #32D0501263

Date: 7/5/2001 **Time:** 20:13:21 **Page:** 1
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,221.9Azi)
Survey Calculation Method: Minimum Curvature

Survey: 5/9/01-5/16/01
 MWD 1190'-5098'

Start Date: 7/5/2001

Company: SDI w/Unidril
Tool: MWD

Engineer: Sutton/Abe

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	+ N/S - ft	E/W ft	ClsD ft	ClsA deg
1190.0	0.00	0.00	1190.0	0.0	0.0	0.0	0.0	0.00
1375.0	0.50	45.00	1375.0	-0.8	0.6	0.6	0.8	45.00
1545.0	0.50	150.00	1545.0	-1.3	0.5	1.5	1.5	72.83
1725.0	0.50	240.00	1725.0	-0.3	-0.6	1.2	1.3	117.74
1800.0	0.50	200.00	1800.0	0.3	-1.1	0.8	1.3	144.32
1980.0	0.50	305.40	1980.0	1.1	-1.4	-0.1	1.4	185.22
2072.0	4.10	271.40	2071.9	3.3	-1.1	-3.7	3.9	254.17
2196.0	5.70	267.50	2195.4	10.5	-1.2	-14.3	14.4	265.13
2288.0	7.30	247.00	2286.9	19.0	-3.7	-24.3	24.6	261.32
2383.0	8.20	224.00	2381.0	31.2	-10.9	-34.5	36.2	252.43
2508.0	7.80	226.40	2504.8	48.6	-23.2	-46.9	52.3	243.67
2632.0	11.30	247.10	2627.1	68.0	-33.7	-64.2	72.5	242.27
2725.0	14.40	237.80	2717.8	87.4	-43.4	-82.4	93.1	242.18
2817.0	16.70	225.30	2806.4	111.6	-58.8	-101.4	117.3	239.88
2879.0	16.60	224.60	2865.8	129.3	-71.4	-114.0	134.5	237.93
2942.0	17.00	217.80	2926.1	147.5	-85.1	-126.0	152.0	235.95
2972.0	16.80	217.00	2954.8	156.2	-92.0	-131.2	160.3	234.96
3065.0	16.50	214.60	3043.9	182.7	-113.6	-146.8	185.7	232.26
3189.0	15.50	211.90	3163.1	216.5	-142.2	-165.6	218.3	229.35
3251.0	14.50	217.60	3223.0	232.4	-155.4	-174.7	233.8	228.35
3374.0	14.30	218.30	3342.2	262.9	-179.5	-193.5	264.0	227.15
3417.0	14.00	215.00	3383.9	273.3	-187.9	-199.8	274.3	226.75
3521.0	13.50	211.40	3484.9	297.8	-208.6	-213.3	298.4	225.64
3593.0	13.20	210.80	3554.9	314.1	-222.8	-221.9	314.5	224.88
3718.0	13.00	204.70	3676.7	341.5	-247.9	-235.1	341.6	223.49
3838.0	13.10	210.10	3793.6	367.7	-271.9	-247.6	367.7	222.32
3934.0	9.20	219.40	3887.8	386.0	-287.2	-257.9	386.0	221.92
3993.0	9.20	219.40	3946.0	395.5	-294.5	-263.9	395.5	221.86
4085.0	4.40	221.40	4037.3	406.3	-302.9	-270.9	406.3	221.81
4150.0	4.20	220.40	4102.1	411.2	-306.6	-274.1	411.2	221.80
4213.0	3.30	218.10	4165.0	415.3	-309.7	-276.7	415.3	221.77
4337.0	1.80	206.80	4288.9	420.8	-314.3	-279.8	420.8	221.68
4398.0	1.50	166.50	4349.9	422.1	-315.9	-280.0	422.2	221.55
4492.0	1.70	158.70	4443.8	423.5	-318.4	-279.2	423.5	221.25
4583.0	1.80	166.70	4534.8	424.9	-321.1	-278.4	425.0	220.93
4767.0	0.90	114.90	4718.7	426.1	-324.5	-276.4	426.3	220.43
4921.0	0.30	164.40	4872.7	426.0	-325.4	-275.2	426.2	220.23
5098.0	0.60	183.90	5049.7	427.0	-326.8	-275.2	427.2	220.10

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 364 W

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