

Scientific Drilling Intl

SURVEY REPORT

Company: MACK ENERGY CORPORATION
 Field: LOCO HILLS PADDOCK
 Site: EDDY COUNTY, NEW MEXICO
 Well: BRIGHAM H FEDERAL #3
 Wellpath: OH Original hole

Date: 2/14/100 Time: 13:26:16 Page: 2
 Co-ordinate(NE) Reference: Site: EDDY COUNTY, NEW MEXICO, Grid North
 Vertical (FVD) Reference: SITE 0.0 above Mean Sea Level
 Section (VS) Reference: Site (0.0E, 0.0N, 143.4Azi)
 Survey Calculation Method: Minimum Curvature

Survey

Stn	CLen ft	MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS d/100ft	Build d/100ft	Turn d/100ft	ChD ft	ChA deg
49	64.0	4253.0	5.30	147.10	4219.8	351.9	-283.5	208.5	1.12	-1.09	-2.66	351.9	143.67
50	62.0	4315.0	4.10	148.00	4281.6	356.9	-287.7	211.2	1.94	-1.94	1.45	356.9	143.72
51	62.0	4377.0	3.00	147.10	4343.5	360.8	-291.0	213.3	1.78	-1.77	-1.45	360.8	143.76
52	91.0	4468.0	1.80	146.70	4434.4	364.6	-294.2	215.4	1.32	-1.32	-0.44	364.6	143.79
53	94.0	4562.0	1.60	161.10	4528.4	367.3	-296.7	216.6	0.50	-0.21	15.32	367.3	143.87
54	91.0	4653.0	1.60	161.50	4619.3	369.7	-299.1	217.4	0.01	0.00	0.44	369.7	143.98
55	94.0	4747.0	1.40	153.80	4713.3	372.1	-301.3	218.3	0.30	-0.21	-8.19	372.1	144.08
56	62.0	4809.0	1.60	153.10	4775.3	373.7	-302.8	219.1	0.32	0.32	-1.13	373.7	144.12
57	61.0	4870.0	1.60	147.80	4836.2	375.4	-304.3	219.9	0.24	0.00	-8.69	375.4	144.15
58	63.0	4933.0	1.60	147.10	4899.2	377.1	-305.8	220.8	0.03	0.00	-1.11	377.2	144.16
59	60.0	4993.0	1.80	144.30	4959.2	378.9	-307.2	221.8	0.36	0.33	-4.67	378.9	144.17
60	41.0	5034.0	1.80	144.30	5000.2	380.2	-308.3	222.6	0.00	0.00	0.00	380.2	144.17

Annotation

MD	TVD