

Scientific Drilling Inc.

Planning Report

Company: Mack Energy Corporation
 Field: Loco Hills Paddock
 Site: Eddy County, New Mexico
 Well: Woolley Federal #6
 Wellpath: OH Original hole

Date: 05/31/2000 Time: 15:28:10 Page: 2
 Co-ordinates (TVD) Reference: Site: Eddy County, New Mexico, True North
 Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
 Section (VS) Reference: Site (0.0E.DON,31.BAZ)
 Plan: Plan #1

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Bulld deg/100ft	Turn deg/100ft	TFO deg
2200.0	13.83	31.89	2184.6	126.8	78.9	149.3	0.00	0.00	0.00	0.00
2300.0	13.83	31.89	2281.7	147.1	91.5	173.2	0.00	0.00	0.00	0.00
2400.0	13.83	31.89	2378.8	167.4	104.1	197.1	0.00	0.00	0.00	0.00
2500.0	13.83	31.89	2475.9	187.7	116.8	221.0	0.00	0.00	0.00	0.00
2600.0	13.83	31.89	2573.0	207.9	129.4	244.9	0.00	0.00	0.00	0.00
2700.0	13.83	31.89	2670.1	228.2	142.0	268.8	0.00	0.00	0.00	0.00
2800.0	13.83	31.89	2767.2	248.5	154.7	292.7	0.00	0.00	0.00	0.00
2900.0	13.83	31.89	2864.3	268.8	167.3	316.6	0.00	0.00	0.00	0.00
3000.0	13.83	31.89	2961.4	289.1	179.9	340.5	0.00	0.00	0.00	0.00
3100.0	13.83	31.89	3058.5	309.4	192.5	364.4	0.00	0.00	0.00	0.00
3200.0	13.83	31.89	3155.6	329.7	205.2	388.3	0.00	0.00	0.00	0.00
3300.0	13.83	31.89	3252.7	350.0	217.8	412.2	0.00	0.00	0.00	0.00
3400.0	13.83	31.89	3349.8	370.3	230.4	436.1	0.00	0.00	0.00	0.00
3500.0	13.83	31.89	3446.9	390.6	243.0	460.0	0.00	0.00	0.00	0.00
3600.0	13.83	31.89	3544.0	410.9	255.7	483.9	0.00	0.00	0.00	0.00
3700.0	13.83	31.89	3641.1	431.1	268.3	507.8	0.00	0.00	0.00	0.00
3800.0	13.83	31.89	3738.2	451.4	280.9	531.7	0.00	0.00	0.00	0.00
3900.0	13.83	31.89	3835.3	471.7	293.5	555.6	0.00	0.00	0.00	0.00
4000.0	13.83	31.89	3932.4	492.0	306.2	579.5	0.00	0.00	0.00	0.00
4100.0	13.83	31.89	4029.5	512.3	318.8	603.4	0.00	0.00	0.00	0.00
4200.0	13.83	31.89	4126.6	532.6	331.4	627.3	0.00	0.00	0.00	0.00
4300.0	13.83	31.89	4223.7	552.9	344.1	651.2	0.00	0.00	0.00	0.00
4400.0	13.83	31.89	4320.8	573.2	356.7	675.1	0.00	0.00	0.00	0.00
4500.0	13.83	31.89	4417.9	593.5	369.3	699.0	0.00	0.00	0.00	0.00
4600.0	13.83	31.89	4515.0	613.8	381.9	722.9	0.00	0.00	0.00	0.00
4700.0	13.83	31.89	4612.1	634.1	394.6	746.8	0.00	0.00	0.00	0.00
4800.0	13.83	31.89	4709.3	654.3	407.2	770.7	0.00	0.00	0.00	0.00
4900.0	13.83	31.89	4806.4	674.6	419.8	794.6	0.00	0.00	0.00	0.00
5000.0	13.83	31.89	4903.5	694.9	432.4	818.5	0.00	0.00	0.00	0.00
5100.0	13.83	31.89	5000.6	715.2	445.1	842.4	0.00	0.00	0.00	0.00
5202.4	13.83	31.89	5100.0	736.0	458.0	866.9	0.00	0.00	0.00	0.00