

Scientific Drilling Inc.

Planning Report

Company: Mack Energy Corporation	Date: 05/31/2000	Time: 15:20:04	Page: 2
Field: Loco Hills Paddock	Co-ordinates(N/E): Reference: Site: Eddy County, New Mexico, True North		
Site: Eddy County, New Mexico	Vertical (TVB) Reference: SITE 0.0 above Mean Sea Level		
Well: Woolley Federal #7	Section (VS) Reference: Site (ODE,0.0N,348.3Az)		
Wellpath: OH Original hole	Plan:	Plan #1	

Section 3 : Start Hold

MD ft	Incl deg	Azimuth deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Built deg/100ft	Turn deg/100ft	TFO deg
2200.0	11.92	348.33	2187.4	134.0	-27.7	136.8	0.00	0.00	0.00	0.00
2300.0	11.92	348.33	2285.3	154.2	-31.8	157.5	0.00	0.00	0.00	0.00
2400.0	11.92	348.33	2383.1	174.4	-36.0	178.1	0.00	0.00	0.00	0.00
2500.0	11.92	348.33	2481.0	194.7	-40.2	198.8	0.00	0.00	0.00	0.00
2600.0	11.92	348.33	2578.8	214.9	-44.4	219.4	0.00	0.00	0.00	0.00
2700.0	11.92	348.33	2676.7	235.1	-48.6	240.1	0.00	0.00	0.00	0.00
2800.0	11.92	348.33	2774.5	255.3	-52.7	260.7	0.00	0.00	0.00	0.00
2900.0	11.92	348.33	2872.4	275.6	-56.9	281.4	0.00	0.00	0.00	0.00
3000.0	11.92	348.33	2970.2	295.8	-61.1	302.0	0.00	0.00	0.00	0.00
3100.0	11.92	348.33	3068.0	316.0	-65.3	322.7	0.00	0.00	0.00	0.00
3200.0	11.92	348.33	3165.9	336.2	-69.4	343.3	0.00	0.00	0.00	0.00
3300.0	11.92	348.33	3263.7	356.5	-73.6	364.0	0.00	0.00	0.00	0.00
3400.0	11.92	348.33	3361.6	376.7	-77.8	384.6	0.00	0.00	0.00	0.00
3500.0	11.92	348.33	3459.4	396.9	-82.0	405.3	0.00	0.00	0.00	0.00
3600.0	11.92	348.33	3557.3	417.1	-86.1	425.9	0.00	0.00	0.00	0.00
3700.0	11.92	348.33	3655.1	437.3	-90.3	446.6	0.00	0.00	0.00	0.00
3800.0	11.92	348.33	3753.0	457.6	-94.5	467.2	0.00	0.00	0.00	0.00
3900.0	11.92	348.33	3850.8	477.8	-98.7	487.9	0.00	0.00	0.00	0.00
4000.0	11.92	348.33	3948.6	498.0	-102.9	508.5	0.00	0.00	0.00	0.00
4100.0	11.92	348.33	4046.5	518.2	-107.0	529.2	0.00	0.00	0.00	0.00
4200.0	11.92	348.33	4144.3	538.5	-111.2	549.8	0.00	0.00	0.00	0.00
4300.0	11.92	348.33	4242.2	558.7	-115.4	570.5	0.00	0.00	0.00	0.00
4400.0	11.92	348.33	4340.0	578.9	-119.6	591.1	0.00	0.00	0.00	0.00
4500.0	11.92	348.33	4437.9	599.1	-123.7	611.8	0.00	0.00	0.00	0.00
4600.0	11.92	348.33	4535.7	619.4	-127.9	632.4	0.00	0.00	0.00	0.00
4700.0	11.92	348.33	4633.6	639.6	-132.1	653.1	0.00	0.00	0.00	0.00
4800.0	11.92	348.33	4731.4	659.8	-136.3	673.7	0.00	0.00	0.00	0.00
4900.0	11.92	348.33	4829.2	680.0	-140.4	694.4	0.00	0.00	0.00	0.00
5000.0	11.92	348.33	4927.1	700.3	-144.6	715.0	0.00	0.00	0.00	0.00
5100.0	11.92	348.33	5024.9	720.5	-148.8	735.7	0.00	0.00	0.00	0.00
5176.7	11.92	348.33	5100.0	736.0	-152.0	751.5	0.00	0.00	0.00	0.00