The undersigned her	by certifies that he he above described we	, P.O. Drawer 10970, Mi is an authorized repres ll and that he has cond	entative of the drilling ucted deviation tests and
Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.50° @ 495'	.75° @ 4,943'		
.75° @ 976'	1.00° @ 5,214'		
.75° @ 1,147'	.75° @ 5,698'		
.75° @ 1,641'	.75° @ 5,945'		
1.25° @ 2,091'	.50° @ 6,375'		
2.75° @ 2,400'	.50° @ 6,687'		
2.25° @ 2,481'	.25° @ 7,030'		
1.75° @ 2,667'	1.00° @ 7,470°		
2.00° @ 2,854'	1.00° @ 7,645'		
1.00° @ 3,162'			
.50° @ 3,351'			
.50° @ 3,513'			
.75° @ 3,984'		-	
.50° @ 4,175'			
1,25° @ 4,458'			
	Drilling Cont rn to before me this	/ 0 / 0	ling, Inc. Engineering Manager ,19 97