

# PILOT HOLE WELL DRILLING LOG

<b>PROJECT:</b> Earth Tech Exploratory Well and Development		<b>WELL NO:</b> ETF-2
<b>LOCATION:</b> Lot 10123-R2, Route 3, Dededo, Guam		<b>DATE:</b> 7/24/98
<b>COORDINATES:</b> N 191.909.00 E 194.565.00		
<b>Ground Elevation :</b>		<b>Drilling Rig :</b> CP 650
<b>Total Depth :</b> 445 feet	<b>Drilling Bit :</b> Tricone	<b>Date Start:</b> 07/15/98
<b>Borehole Diameter :</b> 12 in dia.	<b>Foam :</b> Baroid Quik Foam	<b>Date Finish:</b> 07/18/98

Depth Feet	Penetration Rate		Time min	Log	Material Description/Remarks	ELEV
	Start	Stop				
0-5	9:47	9:57	10		Light brown white coralline limestone, moderately hard to hard	
5-10	9:57	10:05	8			
10-15	10:05	10:11	6			
15-20	10:11	10:21	10			
20-25	10:21	10:34	13			
25-30	2:00	2:13	13			
30-35	2:13	2:22	9			
35-40	2:22	2:29	7			
40-45	2:29	2:36	7			
45-50	2:36	2:45	9			
50-55	2:45	2:51	6			
55-60	2:51	2:58	7			
60-65	2:58	3:06	8			
65-70	3:06	3:14	8			
70-75	3:14	3:21	7			
75-80	3:21	3:26	5			
80-85	3:26	3:34	8			
85-90	3:34	3:46	12			
90-95	3:46	3:55	9			
95-100	3:55	4:02	7			
100-105	4:02	4:11	9			
105-110	4:11	4:22	11			
110-115	4:22	4:31	9			
115-120	4:31	4:40	9			
120-125	4:40	4:52	12			
125-130	4:52	5:09	17			
130-135	5:09	5:16	7			
135-140	5:16	5:29	13			
140-145	5:29	5:36	7			
145-150	10:00	10:09	9		Resumed drilling, 07/16/98	
150-155	10:09	10:18	9			
155-160	10:18	10:25	7			
160-165	10:25	10:32	7			

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Depth Feet	Penetration Rate		Time min	Log	Material Description/Remarks
	Start	Stop			
165-170	10:32	10:44	12		
170-175	10:44	10:52	8		
175-180	10:52	11:06	4		
180-185	11:06	11:17	11		
185-190	11:17	11:31	14		
190-195	11:31	11:46	15		
195-200	11:46	11:55	9		
200-205	11:55	12:02	7		
205-210	12:02	12:18	16		
210-215	12:18	12:23	5		
215-220	12:23	12:33	10		
220-225	12:33	12:46	13		
225-230	3:30	3:42	12		
230-235	3:42	3:49	7		
235-240	3:49	3:55	6		
240-245	3:55	4:11	16		
245-250	12:05	12:22	17		Resumed drilling, 07/17/98
250-255	12:22	12:34	12		
255-260	12:34	12:38	4		
260-265	3:00	3:11	11		
265-270	3:11	3:22	11		
270-275	3:22	3:30	8		
275-280	3:30	3:40	10		
280-285	3:40	3:45	5		
285-290	3:45	3:51	6		
290-295	3:51	3:57	6		
295-300	3:57	4:07	10		
300-305	4:07	4:20	13		
305-310	4:20	4:25	5		
310-315	4:25	4:30	5		
315-320	4:30	4:35	5		
320-325	4:35	4:48	13		
325-330	4:48	4:58	10		
330-335	4:58	5:08	10		
335-340	5:08	5:13	5		
340-345	5:13	5:20	7		
345-350	5:20	5:25	5		
350-355	5:25	5:33	8		
355-360	5:33	5:40	7		

