

PILOT HOLE WELL DRILLING LOG

PROJECT: Earth Tech Exploratory Wells and Development		WELL NO:	ETD-8
LOCATION: Lot No. 101-125-11-R1, Astumbo Dededo, Guam			
COORDINATES:		N 191.252.00 E 198.732.00	
Ground Elevation :	408.3 feet	Drilling Rig :	CP 650
Total Depth :	450 feet	Drilling Bit :	Tricone
Borehole Diameter :	12 inches	Foam :	Baroid Quik Foam
		Date Start:	9/17/98
		Date Finish:	9/20/98

Depth Feet	Penetration Rate Start	Penetration Rate Stop	Time min	Log	Material Description/Remarks	ELEV
0-5	11:40	11:49	9		Light brown-white coralline limestone, moderately hard to very hard	
5-10	11:49	11:57	8			
10-15	1:10	1:17	7			
15-20	1:17	1:29	12			
20-25	1:39	1:48	9			
25-30	1:48	1:58	10			
30-35	1:58	2:10	12			
35-40	2:10	2:20	10			
40-45	2:20	2:31	11			
45-50	2:40	2:49	9			
50-55	2:49	2:56	7			
55-60	2:56	3:04	8			
60-65	3:04	3:13	9			
65-70	3:13	3:23	10			
70-75	3:23	3:36	9			
75-80	3:40	3:54	14			
80-85	3:54	4:04	10			
85-90	4:04	4:12	8			
90-95	4:12	4:31	9			
95-100	4:31	4:38	7			
100-105	4:38	4:46	8			
105-110	4:46	5:04	18			
110-115	5:04	5:27	23			
115-120	10:00	10:23	23		Resumed drilling, 9/18/98	
120-125	10:23	10:46	23			
125-130	10:46	11:03	17			
130-135	11:03	11:28	25			
135-140	11:28	11:48	20		Lost drilling fluid circulation at 137 feet	
140-145	1:48	2:02	14		regained circulation at 143 feet	
145-150	2:02	2:13	11			
150-155	2:13	2:24	11			
155-160	2:24	2:36	12			
160-165	2:36	2:50	14		Lost drilling fluid circulation at 163 feet	

PROJECT: Earth Tech Exploratory Wells and Development

WELL NO: ETD-8

LOCATION: Lot No. 101-125-11-R1, Astumbo Dededo, Guam

Depth Feet	Penetration Rate		Time min	Log	Material Description/Remarks
	Start	Stop			
165-170	3:00	3:17	17		
170-175	3:17	3:31	14		Regained circulation at 175 feet
175-180	3:31	3:44	13		
180-185	3:44	3:53	9		
185-190	3:53	4:11	18		Lost drilling fluid circulation at 186 feet
190-195	4:15	4:30	15		regained circulation at 192 feet
195-200	4:30	4:47	17		Lost drilling fluid circulation at 195 feet
200-205	4:47	4:56	9		
205-210	4:56	5:07	11		
210-215	5:07	5:19	12		
215-220	5:25	5:33	8		
220-225	5:33	5:45	12		
225-230	2:00	2:09	9		Resumed drilling, 9/19/98, regained
230-235	2:09	2:23	14		circulation at 225 feet
235-240	2:23	2:33	10		
240-245	2:33	2:43	10		
245-250	2:43	2:53	10		
250-255	3:34	3:44	10		
255-260	3:44	3:54	10		
260-265	3:54	4:13	19		
265-270	4:13	4:25	12		
270-275	4:25	4:42	17		
275-280	9:00	9:11	11		Resumed drilling, 9/20/98
280-285	9:11	9:24	14		
285-290	9:24	9:28	4		
290-295	9:28	9:38	10		
295-300	9:45	9:51	16		
300-305	9:51	10:18	27		
305-310	10:18	10:29	11		Lost drilling fluid circulation at 305 feet
310-315	10:29	10:40	11		
315-320	10:40	10:47	7		
320-325	11:05	11:14	9		
325-330	11:14	11:21	7		
330-335	11:21	11:28	7		
335-340	11:28	11:37	9		
340-345	11:37	11:47	10		
345-350	1:00	1:09	9		
350-355	1:09	1:23	14		
355-360	1:23	1:47	24		

