

# WELL DRILLING LOG

<b>PROJECT:</b> 'PUAG REHABILITATION OF Y-4		<b>WELL NO:</b> Y-4A
<b>LOCATION:</b> 'BEHIND BEN FRANKLIN COMPLEX YIGO, GUAM		<b>DATE:</b> 30-Oct-93
<b>COORDINATES:</b> UNKNOWN		
Ground Elevation :	400 ft +/-	Drilling Rig : CP 650
Total Depth :	450 ft	Drilling Bit : Tricone
Borehole Diameter :	10"	Foam : Bariod
		Date Start: 4-Sep-93
		Date Finish: 31-Mar-94

\* Did NOT OPERATE UNTIL  
MIDDLE OF MAY 1994 DUE T

Depth Feet	Penetration Rate		Time min	Log	Material Description/Remarks	POWER DIAL NO
	Start	Stop				
0 - 5	1:20	1:28	8		YELLOW BROWN WHITE LIMESTONE moderately hard to hard	
5 - 10	1:28	1:35	7			
10 - 15	1:35	1:45	10			
15 - 20	1:45	1:52	7			
20 - 25	1:52	2:00	8			
25 - 30	2:05	2:10	5			
30 - 35	2:10	2:16	6			
35 - 40	2:16	2:26	10			
40 - 45	2:26	2:33	7			
45 - 50	2:33	2:40	7			
50 - 55	2:45	2:51	6			
55 - 60	2:51	2:59	8			
60 - 65	2:59	3:04	5			
65 - 70	3:04	3:11	7			
70 - 75	3:11	3:15	4			
75 - 80	3:20	3:25	5			
80 - 85	3:25	3:32	7			
85 - 90	3:32	3:40	8			
90 - 95	3:40	3:48	8			
95 - 100	3:48	3:55	7			
100 - 105	4:00	4:06	6			
105 - 110	4:06	4:11	5			
110 - 115	4:11	4:16	5			
115 - 120	4:16	4:24	8			
120 - 125	4:24	4:30	6			
125 - 130	5:20	5:28	8			
130 - 135	5:28	5:38	10			
135 - 140	5:38	5:47	9			
140 - 145	5:47	5:55	8			
145 - 150	5:55	6:00	5			
150 - 155	6:05	6:15	10			
155 - 160	6:15	6:26	11			

POWER PROBI  
THAT NOTED TO OR  
RESOLVED  
again

# WELL DRILLING LOG CONTINUED

PROJECT: PUAG REHABILITATION OF Y-4

WELL NO Y-4A

LOCATION: BEHIND BEN FRANKLIN COMPLEX YIGO, GUAM

Depth Feet	Penetration Rate Start	Stop	Time min	Log	Material Description/Remarks
160 - 165	6:26	6:40	14		Light Brown white Limestone - moderately hard with occasional coalline fragments and recrystalized pieces.
165 - 170	6:40	6:47	7		
170 - 175	6:47	6:55	8		
175 - 180	9:45	10:05	20		
180 - 185	10:05	10:25	20		
185 - 190	10:25	10:40	15		
190 - 195	10:40	11:00	20		
195 - 200	11:00	11:15	15		
200 - 205	12:08	12:20	12		
205 - 210	12:20	12:32	12		
210 - 215	12:32	12:45	13		
215 - 220	12:45	12:59	14		
220 - 225	12:59	1:15	14		
225 - 230	1:20	1:30	10		
230 - 235	1:36	1:48	12		
235 - 240	1:48	2:01	13		
240 - 245	2:01	2:10	9		
245 - 250	2:10	2:20	10		
250 - 255	2:25	2:32	7		
255 - 260	2:32	2:40	8		
260 - 265	2:40	2:49	9		
265 - 270	2:49	2:55	6		Lost circulation @ 300 feet several small cavities encountered beyond this depth
270 - 275	2:55	3:00	5		
275 - 280	3:05	3:15	10		
280 - 285	3:15	3:22	7		
285 - 290	3:22	3:30	8		
290 - 295	3:30	3:40	10		
295 - 300	3:40	3:50	10		
300 - 305	9:00	9:07	7		
305 - 310	9:07	9:17	10		
310 - 315	9:17	9:27	10		
315 - 320	9:27	9:40	13		
320 - 325	9:40	9:55	15		
325 - 330	11:00	11:10	10		
330 - 335	11:19	11:29	10		
335 - 340	11:29	11:40	11		
340 - 345	11:40	11:59	19		
345 - 350	11:59	12:10	11		

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**LOCATION:** BEHIND BEN FRANKLIN COMPLEX YIGO, GUAM

Depth Feet	Penetration Rate		Time min	Log	Material Description/Remarks
	Start	Stop			
350 - 355	12:15	12:28	13		Light Brown white Limestone - moderately hard with occasional coalline fragments and recrystalized pieces.
355 - 360	12:28	12:38	10		
360 - 365	12:38	12:50	12		
365 - 370	12:50	12:58	8		
370 - 375	12:58	1:05	7		
375 - 380	1:10	1:25	15		
380 - 385	1:25	1:42	17		
385 - 390	1:42	1:58	16		
390 - 395	1:58	2:13	15		
395 - 400	2:13	2:25	12		
400 - 405	2:30	2:38	8		
405 - 410	2:38	2:45	7		
410 - 415	2:45	2:53	8		
415 - 420	2:53	3:01	8		
420 - 425	3:01	3:10	9		
425 - 430	3:15	3:20	5		
430 - 435	3:20	3:28	8		
435 - 440	3:28	3:38	10		
440 - 445	3:38	3:44	6		
445 - 450	3:44	3:55	11		