

COPY

## PILOT HOLE WELL DRILLING LOG

PROJECT: Repair by Replacement Wells 5-9

WELL NO: 6

LOCATION: Andersen South, Yigo, Guam

DATE: 2/10/2010

COORDINATES: TBD

Ground Elevation : TBD  
 Total Depth : 430.0 feet  
 Borehole Diameter : 12 inches

Drilling Rig : Drilltek  
 Drilling Bit : Tricone  
 Foam : Hydro Foam

Date Start: 3-Feb-10  
 Date Finish: 8-Feb-10

Depth Feet	Penetration Rate Start	Stop	Time min	Log	Material Description/Remarks	ELEV
0 - 5	2:57	3:04	7		Light brown-white coralline limestone, moderately hard	
5 - 10	3:04	3:15	11		Hydraulic hose broke. Replaced	
10 - 15	2:41	3:00	19		Resumed drilling, 2/4/10. Hard from 10-20 feet	
15 - 20	3:06	3:30	24			
20 - 25	3:30	3:39	9		Moderately hard from 20-25 feet	
25 - 30	3:39	3:44	5		Weak from 25-30 feet	
30 - 35	3:44	3:51	7		Moderately hard from 30-55 feet	
35 - 40	3:59	4:05	6			
40 - 45	4:05	4:11	6			
45 - 50	4:11	4:22	11			
50 - 55	4:22	4:29	7			
55 - 60	4:36	4:40	4		Weak from 55-70 feet	
60 - 65	4:40	4:45	5			
65 - 70	4:45	4:50	5			
70 - 75	4:50	5:01	11		Moderately hard from 70-75 feet	
75 - 80	9:38	9:43	5		Resumed drilling, 2/5/10. Weak from 75-85 feet	
80 - 85	9:43	9:48	5			
85 - 90	9:48	9:56	8		Moderately hard from 85-100 feet	
90 - 95	9:56	10:05	9			
95 - 100	10:36	10:45	9			
100 - 105	10:45	10:49	4		Weak from 100-105 feet	
105 - 110	10:49	10:55	6		Moderately hard from 105-205 feet	
110 - 115	10:55	11:02	7			
115 - 120	11:07	11:13	6			
120 - 125	11:13	11:19	6			
125 - 130	11:19	11:28	9			
130 - 135	11:28	11:37	9			
135 - 140	11:44	11:50	6			
140 - 145	11:50	11:58	8			
145 - 150	11:58	12:04	6			
150 - 155	12:04	12:11	7			
155 - 160	12:17	12:26	9			
160 - 165	12:26	12:38	12			

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<b>PROJECT:</b> Repair by Replacement Wells 5-9			<b>WELL NO:</b> 6	
<b>LOCATION:</b> Andersen South, Yigo, Guam			<b>DATE:</b> 2/10/2010	
<b>COORDINATES:</b> TBD				
Ground Elevation :		TBD	Drilling Rig :	Drilltek
Total Depth :		430.0 feet	Drilling Bit :	Tricone
Borehole Diameter :		12 inches	Foam :	Hydro Foam
			Date Start:	3-Feb-10
			Date Finish:	8-Feb-10

Depth Feet	Penetration Rate Start	Penetration Rate Stop	Time min	Log	Material Description/Remarks	ELEV
165 - 170	12:38	12:44	6			
170 - 175	12:44	12:52	8			
175 - 180	1:01	1:09	8			
180 - 185	1:09	1:21	12			
185 - 190	1:21	1:33	12			
190 - 195	1:33	1:46	13			
195 - 200	1:53	2:09	16			
200 - 205	2:09	2:24	15			
205 - 210	2:24	2:48	24		Hard from 205-210 feet	
210 - 215	2:48	3:19	31		Very hard from 210-215 feet. Ran out of water supply.	
215 - 220	10:03	10:15	12		Resumed drilling, 2/6/10. Moderately hard from 215-275 feet	
220 - 225	10:15	10:25	10			
225 - 230	10:25	10:34	9			
230 - 235	10:34	10:41	7			
235 - 240	10:50	11:01	11			
240 - 245	11:01	11:12	11			
245 - 250	11:12	11:23	11			
250 - 255	11:23	11:32	9			
255 - 260	11:32	11:38	6			
260 - 265	11:45	11:56	11			
265 - 270	11:56	12:05	9		Loose drilling fluid circulation. Encountered cavities.	
270 - 275	12:05	12:15	10			
275 - 280	12:15	12:35	20		Hard from 275-285 feet	
280 - 285	12:35	12:52	17		Stopped drilling, Changed fuel filter of rig.	
285 - 290	3:00	3:14	14		Moderately hard from 285-390 feet	
290 - 295	3:14	3:20	6			
295 - 300	3:20	3:29	9			
300 - 305	3:29	3:37	8			
305 - 310	3:37	3:43	6			
310 - 315	3:47	3:58	11			
315 - 320	3:38	4:06	8			
320 - 325	4:06	4:18	12			
325 - 330	4:18	4:29	11			
330 - 335	4:29	4:39	10			

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