

COPY

PILOT HOLE WELL DRILLING LOG

PROJECT: Repair by Replacement Wells 5-9		WELL NO: 7A
LOCATION: Andersen South, Yigo, Guam		DATE: 2/26/2010
COORDINATES: TBD		
Ground Elevation :	TBD	Drilling Rig : Drilltek
Total Depth :	411.0 feet	Drilling Bit : Tricone
Borehole Diameter :	12 inches	Foam : Hydro Foam
		Date Start: 12-Feb-10
		Date Finish: 19-Feb-10

Depth Feet	Penetration Rate Start	Penetration Rate Stop	Time min	Log	Material Description/Remarks	ELEV
0 - 5	9:41	10:16	35		Light brown-white coralline limestone, very hard	
5 - 10	10:16	10:22	6		Moderately hard from 5-15 feet	
10 - 15	10:22	10:37	15			
15 - 20	10:43	11:18	35		Very hard from 15-30 feet	
20 - 25	11:18	11:50	32			
25 - 30	11:50	12:15	25			
30 - 35	12:15	12:26	11		Moderately hard from 30-60 feet	
35 - 40	1:15	1:25	10			
40 - 45	1:25	1:35	10			
45 - 50	1:35	1:43	8			
50 - 55	1:43	1:56	13			
55 - 60	2:05	2:14	9			
60 - 65	9:21	9:59	38		Resumed drilling, 2/16/10. Very hard from 60-65 feet	
65 - 70	9:59	10:09	10		Moderately hard from 65-80 feet	
70 - 75	10:09	10:21	12			
75 - 80	10:27	10:37	10			
80 - 85	10:37	10:55	18		Hard from 80-90 feet	
85 - 90	10:55	11:12	17			
90 - 95	11:12	11:20	8		Moderately hard from 90-100 feet	
95 - 100	11:29	11:37	8			
100 - 105	11:37	11:57	20		Hard from 100-105 feet	
105 - 110	11:57	12:01	4		Weak from 105-110 feet	
110 - 115	12:01	12:14	13		Moderately hard from 110-120 feet	
115 - 120	12:18	12:23	15			
120 - 125	12:23	12:44	21		Hard from 120-125 feet	
125 - 130	12:44	12:55	11		Moderately hard from 125-175 feet	
130 - 135	12:55	1:05	10			
135 - 140	1:12	1:21	9			
140 - 145	1:21	1:31	10			
145 - 150	1:31	1:44	13			
150 - 155	1:44	1:57	13			
155 - 160	2:05	2:18	13			
160 - 165	2:18	2:29	11			

RECEIVED

FEB 26 2010

HJA

GEPK

PILOT HOLE WELL DRILLING LOG

PROJECT: Repair by Replacement Wells 5-9		WELL NO: 7A
LOCATION: Andersen South, Yigo, Guam		DATE: 2/26/2010
COORDINATES: TBD		
Ground Elevation :	TBD	Drilling Rig : Drilltek
Total Depth :	411.0 feet	Drilling Bit : Tricone
Borehole Diameter :	12 inches	Foam : Hydro Foam
		Date Start: 12-Feb-10
		Date Finish: 19-Feb-10

Depth Feet	Penetration Rate Start	Penetration Rate Stop	Time min	Log	Material Description/Remarks	ELEV
165 - 170	2:29	2:41	12			
170 - 175	2:41	2:53	12		Stopped drilling. Worked on the drill chain.	
175 - 180	8:30	9:04	34		Resumed drilling, 2/18/10. Very hard from 175-185 feet	
180 - 185	9:04	9:25	21			
185 - 190	9:25	9:38	13		Moderately hard from 185-190 feet	
190 - 195	9:38	9:57	19		Hard from 190-195 feet	
195 - 200	10:12	10:22	10		Moderately hard from 190-195 feet	
200 - 205	10:22	10:40	18		Hard from 200-205 feet	
205 - 210	10:40	10:53	13		Moderately hard from 205-260 feet	
210 - 215	10:53	11:05	12			
215 - 220	11:16	11:30	14			
220 - 225	11:30	11:43	13			
225 - 230	11:43	11:54	11			
230 - 235	11:54	12:07	13			
235 - 240	12:15	12:27	12			
240 - 245	12:27	12:41	14			
245 - 250	12:41	12:54	13			
250 - 255	12:54	1:05	11			
255 - 260	1:05	1:18	9			
260 - 265	1:27	2:03	36		Very hard from 260-270 feet	
265 - 270	2:03	2:26	23			
270 - 275	2:26	2:33	7		Moderately hard from 270-285 feet	
275 - 280	2:33	2:46	13			
280 - 285	2:46	3:00	14			
285 - 290	3:07	3:30	23		Very hard from 285-295 feet	
290 - 295	3:30	3:54	24			
295 - 300	3:54	4:01	7		Moderately hard from 295-310 feet	
300 - 305	4:01	4:15	14			
305 - 310	4:15	4:23	8			
310 - 315	9:34	9:51	17		Resumed drilling, 2/19/10. Hard from 310-330 feet	
315 - 320	9:51	10:10	19			
320 - 325	10:10	10:40	30			
325 - 330	10:40	11:04	24			
330 - 335	11:04	11:17	13		Moderately hard from 330-340 feet	

