

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PROJECT Indian Reserv. WELL NO. 1-1 DATE 8/26/86

DEPTH	DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER
0-1	sand
1-2	orange ls (shell)
2-3	orange ls ^(shell) and sand - lost circulation - flow at surface around rig - drill larger holes set surface casing to 10 ft.
3-7	same
7-10	sand - faster drilling
10-17	clay silt
17	limestone
18-20	clay
20-25	sandy silt
25-27	very sandy silt
27-30	more shell pieces, sand
30-35	silt, shell, sand
35-40	orange limestone, shell pieces
40-50	clay
50-59	clay
58-62	bit dropped fast, shell pieces, clay
62-70	fast drilling, sandy clay, shell pieces (add water)
70-75	sandy clay, shell pieces
75- 80	drilling slowed, clay limestone pieces
78-80	^{gray} limestone, shell, phosphatic
80-85	limestone, shell
85-90	lt. gray limestone worm tubes bryozoans drilling quicker
92-95	bit chattering some
95-100	slower drilling, chattering tan limestone ^{added} water
100-100	drilled quickly little chatter lt tan limestone
110-115	chattering, harder "
115-117	drilled fast "
117-122	some chattering "
122-124	some chatter
124-126	bit dropped smoothly, quickly sand
126-133	sand, shell pieces

WELL DRILLER'S LOG

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138-140	chatter, limestone sandstone, shell
140-145	quick drilling clay, shell pieces
145-150	slow drilling, clay ^{dk} clay phosphatic
150-155	thicker ^{hard} clay very slow drilling
155	put in oil QuickTrol powder
155-160	clay slow
160-165	clay
165-167	clay
167-170	drilling quickened
170-175	drilling quick
175-180	clay
180-186	clay
186-189	drilling slowed some clay
189-194	clay
194-196	drilling slowed some, limestone-195
196-200	clay
200-210	clay some increase in drilling at 207
210-220	clay
220	rig rattled some
220-225	clay
225-240	drilling slowed greatly clay much pulled down used
240-245	clay
245-247	bit chattering, limestone, shell
247-248	clay
248	chatter
249-260	clay
260-262	bit loosened some limestone
262-263	bit chattered shell
263-266	smooth
266-268	bit chattered shell
268-272	clay
272-275	drill going down in small jerks, no chatter
275-280	clay

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DEPTH	DESCRIPTION - ROCK TYPE, COLOR, HARDNESS, OTHER
280-290	Smooth, moderate drilling <u>lt grey green</u> clay
290-295	clay
295-300	drilling slowed - clay - dk green, dense
300-310	clay
310-320	clay Quick Trol added
320-326	clay slow drilling
326-330	drilling quickered (Quick Trol)
330-340	slow drilling, clay
340-350	" " " added mud thinner powder
350-357	clay
358-362	lit chattering, white limestone, phosphatic
362-370	chatter white limestone, shell pieces
370-379	chatter " " " "
379-382	drop bit dropping fast
380-385	lit chatter
385-390	lit dropped fast
390-400	chatter, fairly rapid drilling
400-402	dropped fast
402-410	chattering
410-412	fairly quiet, little chatter, drilling slowed
412-415	loud chatter, slow drilling
415-419	slow drilling, chatter used pull down
418-419	lit dropped
419-422	chatter added water
	Note: ^{dk green} clay sample from drill rod
422-428	fairly slow, lit bouncing
428-430	dropped
430-434	dropping fast
433-434	dropped
434-436	slow drilling
436-439	slow hard chatter pull down
439-442	drilling sped up, chatter
442-450	fast drilling, some chatter limestone, white clay

