



BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade		GEOLOGIST: L. Bisson	
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-550 (ATL)		DRILLER: L. Carter/ J. Landeros		GROUND WATER (ft)	
BORING NO.: B-718		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA	
GROUND ELEV.: -1.2 ft (NAVD88)		NORTHING: 397,191 US ft (NAD83/90)		EASTING: 875,793 US ft (NAD83/90)		24 HR. NA	
TOTAL DEPTH: 150.8 ft		CASING DEPTH: 4" to 34.8', 3" to 120.0'				HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 4/3/08		COMPLETED: 4/5/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)	

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Begin Coring @ 34.8 ft
-36.0	34.8	3.1	0:48	(3.1)	(2.2)	RUN-1	(12.3)	(10.6)		LIMESTONE, boundstone, white (10YR8/1), to light brownish gray (10YR6/2), hard, wet, fossiliferous, trace vugs, strong HCl reaction (Upper Fort Thompson Formation) (continued)
-39.1	37.9	5.0	0:09/0.1	(5.0)	(4.9)	RUN-2				34.8ft: white (2.5Y8/1) and gray (2.5Y6/1), indurated, coralline, little vugs 37.9ft: white (2.5Y8/1), trace vugs, trace recrystallized calcite
-44.1	42.9	5.0	0:59	(5.0)	(4.3)	RUN-3				42.9ft: white (2.5Y8/1), to pale yellow (2.5Y7/4), to gray (2.5Y6/1), moderately hard, moderately indurated, mostly coralline, horizontal bedding plane at 47.1ft
-49.1	47.9	5.0	1:08	(5.0)	(4.5)	RUN-4	(56.0)	(35.3)		LIMESTONE, boundstone, white (10YR8/1), to pale brown (10YR6/3), hard, indurated, fossiliferous, trace shell molds, trace vugs, strong HCl reaction (Lower Fort Thompson Formation)
-54.1	52.9	5.0	1:28	(4.6)	(3.9)	RUN-5				52.9ft: white (10YR8/1), trace sandy
-59.1	57.9	5.0	1:53	(5.0)	(3.7)	RUN-6				57.9ft: white (2.5Y 8/1), to light gray (2.5Y7/1), moderately hard to hard, sandy, trace to few shell molds and casts
-64.1	62.9	5.0	2:03	(4.6)	(3.1)	RUN-7				62.9ft: light gray (10YR7/1), moderately hard, moderately indurated
-69.1	67.9	5.0	2:47	(4.4)	(2.7)	RUN-8				67.9ft: white (10YR8/1), moderately hard, moderately indurated to indurated
-74.1	72.9	5.0	2:04	(3.5)	(1.1)	RUN-9				72.9ft: medium hard to moderately hard, moderately indurated 74.0 to 83.0ft: possible interbedded sand layers, based on drill rates
-79.1	77.9	5.0	1:19	(2.2)	(0.8)	RUN-10				77.9ft: medium hard, interbedded sand layers through out
-84.1	82.9	5.0	2:01	(4.2)	(1.7)	RUN-11				82.9ft: moderately hard, moderately indurated to indurated
-89.1	87.9	5.0	2:03	(4.7)	(3.0)	RUN-12				87.9ft: moderately hard to hard
-94.1	92.9	5.0	1:01	(4.2)	(2.5)	RUN-13				92.9ft: medium hard
-99.1	97.9	5.0	1:01	(3.7)	(2.8)	RUN-14				97.7ft: few vugs, little shell molds and casts
-104.1	102.9	5.0	3:39	(4.9)	(3.4)	RUN-15				102.9ft: moderately hard
-109.1	107.9	5.0	0:50	(3.5)	(1.3)	RUN-16				107.9ft: white (2.5Y8/1), to light gray (10YR7/1), medium hard, few shell molds

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				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-114.1	112.9	5.0	0.38 0.54 0.43 1.32	70%	26%	RUN-17				and casts LIMESTONE, boundstone, white (10YR8/1), to pale brown (10YR6/3), hard, indurated, fossiliferous, trace shell molds, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) (continued)
			0.27 0.32 0.08 0.10 0.18	(0.7) 14%	(0.0) 0%		(0.0) 0%	(NA)		-116.2 112.9ft: light gray (10YR7/1), moderately hard, trace vugs -115.0 Silty SAND (SM), light gray (2.5Y7/1), to light greenish gray (10Y7/1), medium dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation) -117.9 Coring Terminated at Elevation -119.1

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