

TURKEY POINT COL.BORF. TURKEY POINT.GPJ TURKEY POINT COL.GDT 5/30/08

DCN# TUR512



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: G. Pillappa
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-55 LC (RAL)	DRILLER: R. Banks/ J. Rosser	GROUND WATER (ft)
BORING NO.: B-719	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.1 ft (NAVD88)	NORTHING: 397,293 US ft (NAD83/90)	EASTING: 875,791 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 126.7 ft	CASING DEPTH: 4" to 23.6', 3" to 115.2'	HAMMER (ID): 140 lb. Auto (MEC-02)	
DATE STARTED: 4/6/08	COMPLETED: 4/8/08	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		L O G	DESCRIPTION AND REMARKS
REC (ft) %	RQD (ft) %	REC (ft) %	RQD (ft) %							
										Begin Coring @ 25.2 ft
-26.3	25.2	5.0	0.23 0.17 0.26 0.39 0.46	(0.3) 6%	(0.0) 0%	RUN-1	(13.9) 63%	(10.6) 48%		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace fine grained sand, strong HCl reaction (Upper Fort Thompson Formation) (continued)
-31.3	30.2	5.0	1.01 1.02 0.34 0.29 0.44	(1.4) 28%	(0.4) 8%	RUN-2				30.2ft: fossiliferous, coralline, trace vugs
-36.3	35.2	5.0	0.36 0.39 0.39 0.39 0.46	(5.0) 100%	(4.7) 94%	RUN-3				35.2ft: white (10YR8/1), to light gray (10YR7/1)
-41.3	40.2	5.0	0.36 0.39 0.36 0.39 0.37	(5.0) 100%	(3.3) 66%	RUN-4				40.2ft: white (10YR8/1)
-46.3	45.2	5.0	0.52 0.41 0.46 0.42 0.41	(5.0) 100%	(4.9) 98%	RUN-5				45.2ft: light gray (10YR7/1) to 47.4ft
-51.3	50.2	5.0	0.50 0.42 0.37 0.31 0.29	(3.8) 76%	(3.1) 62%	RUN-6	(39.5) 60%	(23.6) 36%		LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, fossiliferous, strong HCl reaction, trace fine grained sand (Lower Fort Thompson Formation)
-56.3	55.2	5.0	0.29 0.32 0.31 0.40 0.34	(3.3) 66%	(1.0) 20%	RUN-7				55.2ft: few shell molds and casts
-61.3	60.2	5.0	0.42 0.38 0.30 0.21 0.14	(2.3) 46%	(0.9) 18%	RUN-8				
-66.3	65.2	5.0	0.29 0.14 0.16 0.51 1.07	(2.0) 40%	(1.2) 24%	RUN-9				
-71.3	70.2	5.0	0.55 0.55 0.49 0.55 0.43	(5.0) 100%	(4.4) 88%	RUN-10				
-76.3	75.2	5.0	0.57 0.48 0.55 0.35 0.41	(1.4) 28%	(0.6) 12%	RUN-11				75.2 to 80.2ft: possible interbedded sand layers
-81.3	80.2	5.0	0.26 0.33 0.38 0.35 0.41	(0.5) 10%	(0.0) 0%	RUN-12				
-86.3	85.2	5.0	0.42 1.01 0.41 0.46 0.35	(4.2) 84%	(2.3) 46%	RUN-13				
-91.3	90.2	5.0	0.33 0.41 0.31 0.28 0.29	(1.9) 38%	(0.4) 8%	RUN-14				
-96.3	95.2	5.0	0.28 0.26 0.22 0.21 0.29	(1.7) 34%	(0.0) 0%	RUN-15				95.2 to 100.2ft: possible interbedded sand layers
-101.3	100.2									

TURKEY POINT COL CORE: TURKEY POINT COL GPJ TURKEY POINT COL GDT 530/08



SHEET 2 OF 2

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										Continued from previous page
-106.3	105.2	5.0	0:54 0:48 0:38 0:32 0:26	(4.9) 98%	(4.0) 80%	RUN-16				LIMESTONE, boundstone, white (10YR8/1), hard, indurated, trace vugs, fossiliferous, strong HCl reaction, trace fine grained sand (Lower Fort Thompson Formation) (continued) 100.2ft: little to some shell molds and casts
-111.3	110.2	5.0	0:42 0:42 0:39 0:49 0:32	(4.4) 88%	(3.0) 60%	RUN-17				
-116.3	115.2	5.0	0:52 0:41 0:54 0:15 0:14	(1.3) 26%	(0.0) 0%	RUN-18	(0.0) 0%	(NA)		110.2ft: white (10YR8/1), to greenish gray (5GY6/1) -114.1 Silty SAND (SM), light gray (10YR7/1), dense, wet, fine grained sand, strong HCl reaction, trace shell fragments (Tamiami Formation) -116.3 Coring Terminated at Elevation -116.3

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