

TURKEY POINT COL BORE 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: J. Liles			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 (Miller)				DRILLER: R. White/ J. Dugger/ C. White				GROUND WATER (ft)	
BORING NO.: B-728				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 397,071 US ft (NAD83/90)				EASTING: 875,620 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 126.6 ft				CASING DEPTH: 4" to 25.0', 3" to 113.5'						HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 4/5/08		COMPLETED: 4/1/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)							
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC (ft) %		SAMP. NO.	STRATA REC (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS		
											Begin Coring @ 27.3 ft		
-28.7	27.3	2.0	0:35 0:08	(0.5) 25%	(0.0) 0%	RUN-1	(21.7) 92%	(18.0) 76%			LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) (continued)		
-30.7	29.3	5.0	0:49 0:37 0:45 0:48 0:44	(4.9) 98%	(3.5) 70%	RUN-2					23.7ft: moderately hard, moderately indurated, trace fine sand 29.3ft: hard, indurated, few vugs, coralline		
-35.7	34.3	5.0	1:05 0:54 0:34 0:38 0:45	(5.0) 100%	(3.8) 76%	RUN-3					34.3ft: recrystallized calcite		
-40.7	39.3	5.0	0:57 0:51 1:00 1:11 1:01	(5.0) 100%	(4.8) 96%	RUN-4					39.3ft: trace vugs		
-45.7	44.3	5.0	1:08 1:06 1:01 1:17 1:04	(4.6) 92%	(4.6) 92%	RUN-5					44.3ft: fossiliferous		
-50.7	49.3	5.0	0:53 1:05 0:56 0:48 0:41	(5.0) 100%	(4.6) 92%	RUN-6					49.3ft: white (2.5Y8/1) to 49.9ft, then gray (10YR5/1) to 51.0ft		
-55.7	54.3	5.0	1:20 1:01 0:29 1:05 1:12	(3.4) 68%	(1.9) 38%	RUN-7	(44.3) 70%	(25.7) 41%			LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation)		
-60.7	59.3	5.0	0:34 0:32 0:35 0:31 0:22	(3.2) 64%	(1.2) 24%	RUN-8					54.3ft: moderately hard to hard, moderately indurated to indurated, trace vugs		
-65.7	64.3	5.0	0:37 0:52 0:41 0:50 1:04	(3.5) 70%	(1.4) 28%	RUN-9					59.3ft: medium hard to moderately hard, friable to moderately indurated, few vugs, trace sand		
-70.7	69.3	5.0	0:32 0:22/0.5	(0.9) 60%	(0.8) 53%	RUN-10					64.3ft: trace vugs, little fine grained sand		
-72.2	70.8	5.0	0:36 0:32 0:38 0:40 0:58	(1.9) 38%	(1.1) 22%	RUN-11					69.3ft: hard, indurated 70.8ft: moderately hard, moderately indurated, trace sand		
-77.2	75.8	5.0	2:31 2:41 0:30 1:29 0:56	(3.2) 64%	(1.4) 28%	RUN-12					75.8ft: moderately hard to hard, friable to moderately indurated, little sand		
-82.2	80.8	5.0	1:59 0:56 0:26 0:32 0:54	(3.9) 78%	(2.6) 52%	RUN-13					80.8ft: moderately hard, moderately indurated		
-87.2	85.8	5.0	1:15 1:10 1:00 1:09 1:23	(5.0) 100%	(4.3) 86%	RUN-14					85.8ft: trace vugs		
-92.2	90.8	5.0	2:09 0:59 0:45 0:53 0:26	(4.0) 80%	(2.5) 50%	RUN-15					90.8ft: medium hard to moderately hard, friable to moderately indurated		
-97.2	95.8	5.0	0:32 0:28 0:29 2:05 0:46	(1.8) 36%	(0.0) 0%	RUN-16							
-102.2	100.8	5.0	0:52	(4.8)	(3.3)	RUN-17					100.8ft: moderately hard, moderately indurated, little shell molds and casts		

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ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	RQD (ft) %	SAMP. NO.	REC (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS
										Continued from previous page
-107.2	105.8		0:51 0:46 0:39 0:35	96%	66%					LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation) (continued)
		5.0	0:39 0:39 0:34 0:43 0:31	(4.2) 84%	(1.9) 38%	RUN-18				105.8ft: medium hard to moderately hard, friable to moderately indurated, trace shell molds and casts
-112.2	110.8									
		5.0	0:40 1:37 1:06 0:12 0:30	(1.2) 24%	(0.0) 0%	RUN-19				
-117.2	115.8						(0.0) 0%	(NA)		POORLY GRADED SAND with silt (SP-SM), light gray (2.5Y7/2), dense, wet, fine grained sand, strong HCl reaction, trace limestone fragments (Tamiami Formation)
										Coring Terminated at Elevation -117.2

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