



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: M. Lear
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-717	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.1 ft (NAVD88)	NORTHING: 397,287 US ft (NAD83/90)	EASTING: 875,873 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 127.2 ft	CASING DEPTH: 4" to 18.3', 3" to 118.1'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 4/15/08	COMPLETED: 4/17/08	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 @ 19.9 ft
-21.0	19.9	3.2	0:23/0.2 0:29 0:13 0:15	(1.6) 50%	(0.0) 0%	RUN-1	(1.9) 37%	(0.0) 0%		LIMESTONE, boundstone, light gray (10YR7/2), very soft, wet, sandy, fossiliferous, friable, oolitic, strong HCl reaction (Miami Formation) (continued)
-24.2	23.1									19.9ft. medium hard to moderately hard, moderately indurated, locally interconnected vugs
		5.0	2:13 0:19 1:05 1:50 1:17	(3.4) 68%	(2.0) 40%	RUN-2	(21.3) 89%	(18.3) 77%	-26.1	LIMESTONE, boundstone, white (10YR8/1), moderately hard, moderately indurated to indurated, trace vugs, coralline, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation)
-29.2	28.1									25.0ft. loss of circulation 28.1ft. moderately hard to hard, indurated, little vugs, recrystallized calcite
		5.0	3:29 1:31 1:23 1:07 1:16	(5.0) 100%	(4.3) 86%	RUN-3				
-34.2	33.1									33.1ft. moderately hard, moderately indurated to indurated, few vugs
		5.0	1:48 0:45 0:17 0:37 0:48	(2.7) 54%	(1.8) 36%	RUN-4				
-39.2	38.1									38.1ft. light gray (10YR7/1), hard, indurated
		5.0	0:52 1:50 2:03 2:15 2:04	(4.7) 94%	(4.4) 88%	RUN-5				
-44.2	43.1									43.1ft. horizontal bedding plane at 47.5ft
		5.0	2:00 3:04 2:42 2:44 2:39	(5.0) 100%	(5.0) 100%	RUN-6				
-49.2	48.1									48.1ft. light gray (10YR7/1) to 48.9ft. horizontal bedding plane at 48.9ft
		5.0	2:16 1:55 2:12 1:52 1:36	(5.0) 100%	(5.0) 100%	RUN-7	(16.7) 98%	(13.9) 82%	-50.0	LIMESTONE, boundstone, white (7.5YR8/1), hard, indurated, trace vugs, fossiliferous, few shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)
-54.2	53.1									53.1ft. white (7.5YR8/1)
		5.0	1:00 1:01 1:18 1:28 0:48	(4.7) 94%	(3.8) 76%	RUN-8				
-59.2	58.1									58.1ft. light gray (10YR7/1), trace vugs, trace shell molds and casts
		5.0	1:22 1:56 2:21 2:12 1:59	(5.0) 100%	(4.2) 84%	RUN-9				
-64.2	63.1									63.1ft. moderately hard, moderately indurated
		5.0	1:31 1:17 1:08 0:42 0:22	(2.8) 56%	(1.7) 34%	RUN-10	(0.0) 0%	(NA)	-67.0	possible POORLY SORTED SAND (SP), based on fast drilling rate and lack of recovery
-69.2	68.1									
		5.0	0:25 1:30 2:47 1:32 1:38	(3.5) 70%	(2.4) 48%	RUN-11	(35.4) 80%	(21.2) 48%	-70.7	LIMESTONE, boundstone, light gray (10YR7/1), moderately hard, moderately indurated, trace vugs, fossiliferous, strong HCl reaction, sandy
-74.2	73.1									73.1ft. light gray (10YR7/1), to white (7.5YR8/1) 75.0 to 76.0ft. possible interbedded sand layer
		5.0	1:38 2:02 0:07 2:28 1:13	(3.4) 68%	(1.9) 38%	RUN-12				
-79.2	78.1									78.1ft. white (7.5YR8/1)
		5.0	1:44 2:27 1:26 1:10 1:04	(4.2) 84%	(2.7) 54%	RUN-13				
-84.2	83.1									83.1ft. few shell molds and casts
		5.0	0:52 0:49 0:50 2:53 1:26	(3.4) 68%	(1.4) 28%	RUN-14				
-89.2	88.1									
		5.0	2:33 1:15 0:53 1:30 1:11	(3.9) 78%	(2.0) 40%	RUN-15				
-94.2	93.1									93.1ft. indurated, little to some shell molds and casts
		5.0	0:26	(4.9)	(4.1)	RUN-16				

TURKEY POINT COL CORE TURKEY POINT GP TURKEY POINT COL GDT 8/19/08

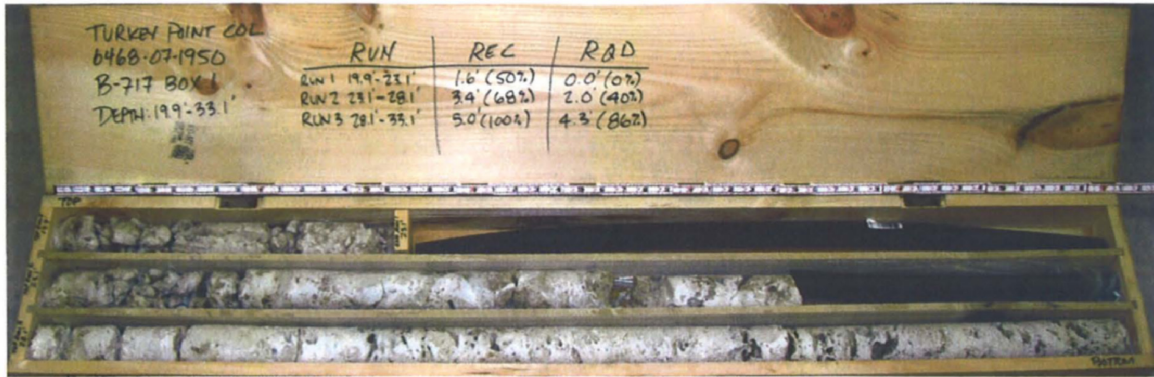


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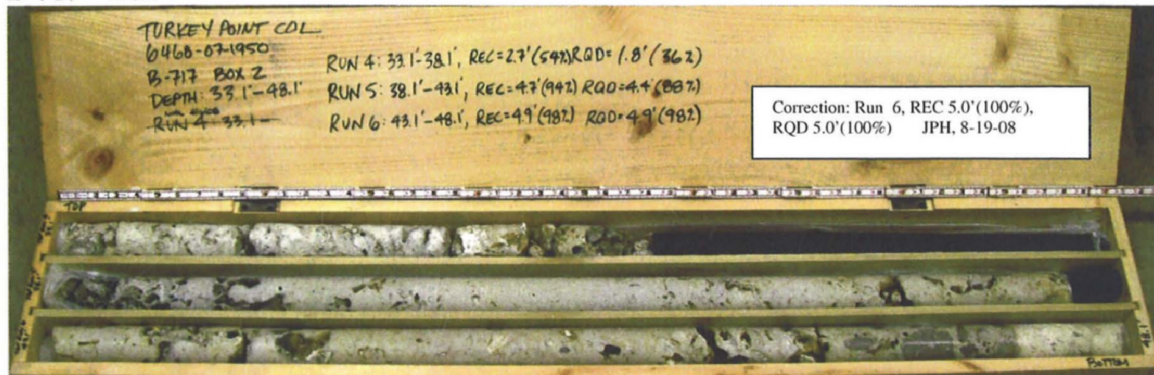
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ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	RQD (ft) %	SAMP. NO.	REC (ft) %	RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Continued from previous page
-99.2	98.1		0.15 0.22 0.31 0.38	98%	82%					LIMESTONE, boundstone, light gray (10YR7/1), moderately hard, moderately indurated, trace vugs, fossiliferous, strong HCl reaction, sandy (continued)
		5.0	0.35 0.31 0.49 0.37 0.45	(3.8) 76%	(1.5) 30%	RUN-17				
-104.2	103.1									
		5.0	0.42 0.47 0.50 0.51 0.38	(5.0) 100%	(4.3) 86%	RUN-18				
-109.2	108.1									
		5.0	0.46 1.16 1.24 1.12 0.55	(2.4) 48%	(0.9) 18%	RUN-19				108.1ft: moderately indurated
-114.2	113.1									
		5.0	0.41 0.49 0.28 0.44 0.57	(2.0) 40%	(0.0) 0%	RUN-20	(1.1) 100%	(0.0) 0%		
-119.2	118.1						(0.0) 0%	(NA)		
										SANDSTONE, light greenish gray (10Y7/1), medium hard, moderately indurated, trace shell fragments, strong HCl reaction (Tamiami Formation)
										Silty SAND (SM), greenish gray (10Y5/1), very dense, wet, fine grained sand, little fines, strong HCl reaction, trace shell fragments
										Coring Terminated at Elevation -119.2

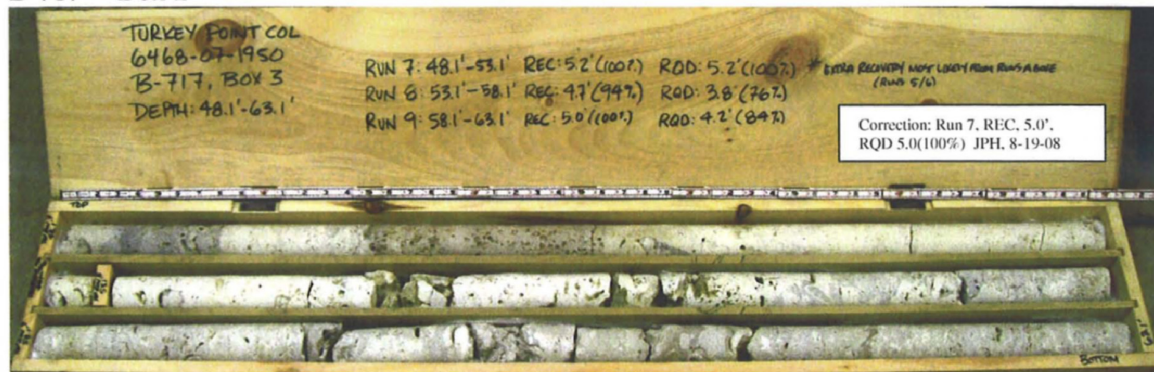
TURKEY POINT COL CORE TURKEY POINT I.G.P.I. TURKEY POINT COL GDT 8/19/08



B-717 - Box 1



B-717 - Box 2



B-717 - Box 3



B-717 - Box 4