MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: O. Rodriguez
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-75 (CLT)	DRILLER: J. Warren/ C. Sloan/ M. Harvey	GROUND WATER (ft)
BORING NO.: B-710(DH)	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,087 US ft (NAD83/90)	EASTING: 875,793 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 250.9 ft	CASING DEPTH: 4" to 18.5', 3" to 123.0'		HAMMER (ID): 140 lb. Auto (MEC-09)
DATE STARTED: 4/2/08	COMPLETED: 4/9/08	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) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 16.8 ft
-18.1	16.8	4.7	1:24 1:36 3:49 1:23 1:38/0.7	(2.3) 49%	(1.2) 26%	RUN-1	(3.1) 43%	(1.2) 17%		LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, strong HCl reaction, little fine grained sand, oolitic (Miami Formation) *(continued)* 16.8ft: white (2.5Y8/1), medium hard, moderately indurated, fossiliferous, few to little locally interconnected vugs
-22.8	21.5	4.8	5:22 1:56 3:11 1:28 0:48/0.8	(3.1) 65%	(1.7) 35%	RUN-2				-25.3 — 24.0
-27.6	26.3	5.0	0:34 0:53 1:57 2:16 2:01	(4.6) 92%	(3.2) 64%	RUN-3	(23.8) 97%	(20.5) 84%		LIMESTONE, boundstone, white (2.5Y8/1), medium hard to moderately hard, moderately indurated, fossiliferous, coralline, few vugs (Upper Fort Thompson Formation) 27.0ft: loss of circulation
-32.6	31.3	5.0	2:23 0:36 0:49 0:22 1:00	(4.8) 96%	(4.5) 90%	RUN-4				31.3ft: moderately hard
-37.6	36.3	5.0	0:49 0:46 0:51 1:34 1:54	(4.9) 98%	(4.5) 90%	RUN-5				
-42.6	41.3	5.0	0:47 1:29 1:14 1:22 1:01	(5.0) 100%	(5.0) 100%	RUN-6				
-47.6	46.3	5.0	0:35 0:32 0:52 1:27 1:17	(4.8) 96%	(4.2) 84%	RUN-7				46.3ft: white (2.5Y8/1), to 46.6ft then greenish gray (10Y6/1), to 48.5ft -49.8 — 48.5
-52.6	51.3	5.0	0:35 0:39 0:27 0:10 1:10	(4.2) 84%	(3.2) 64%	RUN-8	(56.5) 86%	(33.5) 51%		LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, moderately indurated, fossiliferous, few vugs (Lower Fort Thompson Formation) 51.3ft: trace shell molds and casts
-57.6	56.3	5.0	0:37 0:37 0:25 1:01 1:32	(5.0) 100%	(4.9) 98%	RUN-9				56.3ft: moderately hard, indurated
-62.6	61.3	5.0	1:25 0:47 0:44 0:37 0:26	(4.5) 90%	(2.9) 58%	RUN-10				
-67.6	66.3	5.0	0:03 0:09 0:30 1:14 1:42	(3.0) 60%	(1.8) 36%	RUN-11				66.3 to 68.3ft: possible sand layer
-72.6	71.3	0.9	3:09/0.9	(0.6) 67%	(0.6) 67%	RUN-12				71.3ft: hard
-73.5	72.2	4.1	0:08/0.1 0:39 0:43 0:20 0:25	(4.0) 98%	(2.0) 49%	RUN-13				
-77.6	76.3	5.0	0:21 0:24 0:15 0:07 0:11	(4.5) 90%	(2.5) 50%	RUN-14				76.3ft: moderately hard, moderately indurated
-82.6	81.3	5.0	0:24 0:24 0:29 0:21 0:41	(4.6) 92%	(1.3) 26%	RUN-15				81.3ft: little vugs, few shell molds and casts
-87.6	86.3	5.0	0:30 1:13 0:34 0:11 0:16	(4.3) 86%	(1.6) 32%	RUN-16				86.3ft: few shell molds and casts
-92.6	91.3									

TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 8/18/08

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										Continued from previous page
-97.6	96.3	5.0	0:05 0:08 0:10 0:10 0:09	(4.2) 84%	(1.7) 34%	RUN-17				91.3ft: sandy LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, moderately indurated, fossiliferous, few vugs (Lower Fort Thompson Formation) *(continued)*
-102.6	101.3	5.0	0:30 0:06 0:06 0:24 0:16	(2.8) 56%	(0.9) 18%	RUN-18				
-107.6	106.3	5.0	0:12 0:13 1:15 0:12 0:20	(5.0) 100%	(3.9) 78%	RUN-19				101.3ft: medium hard, little shell molds and casts
-112.6	111.3	5.0	0:12 0:14 0:09 0:13 0:08	(4.8) 96%	(3.2) 64%	RUN-20				106.3ft: moderately hard to friable, few shell molds and casts
-117.6	116.3	5.0	0:27 0:33 0:14 0:05 0:06	(2.5) 50%	(0.4) 8%	RUN-21	(0.7) 10%	(NA)		-115.3 114.0 POORLY GRADED SAND (SP), pale yellow (2.5Y8/3), medium dense, strong HCl reaction, trace fine to coarse gravel-sized cemented sand fragments (Tamiami Formation)
-122.6	121.3	5.0	0:05 0:06 0:08 0:02 0:02	(0.7) 14%	(0.0) 0%	RUN-22				116.3ft: limestone fragments -122.6 121.3
										Coring Terminated at Elevation -122.6

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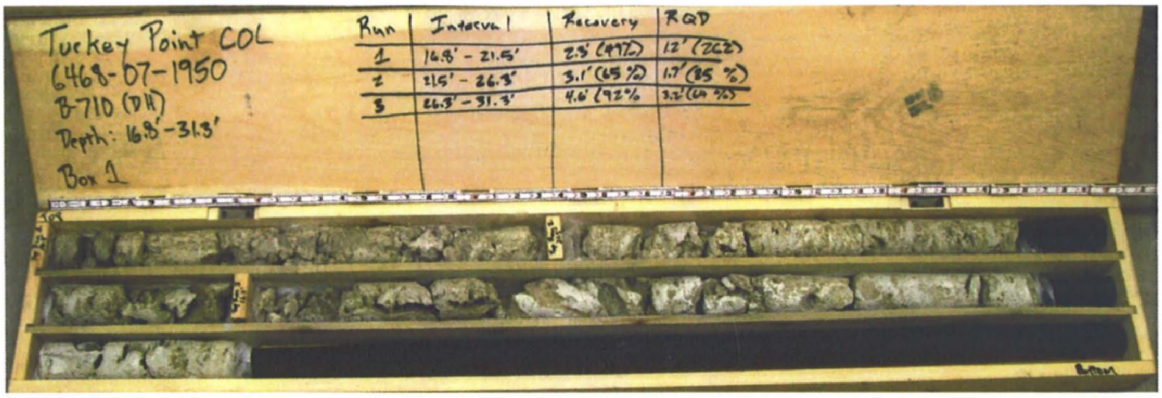
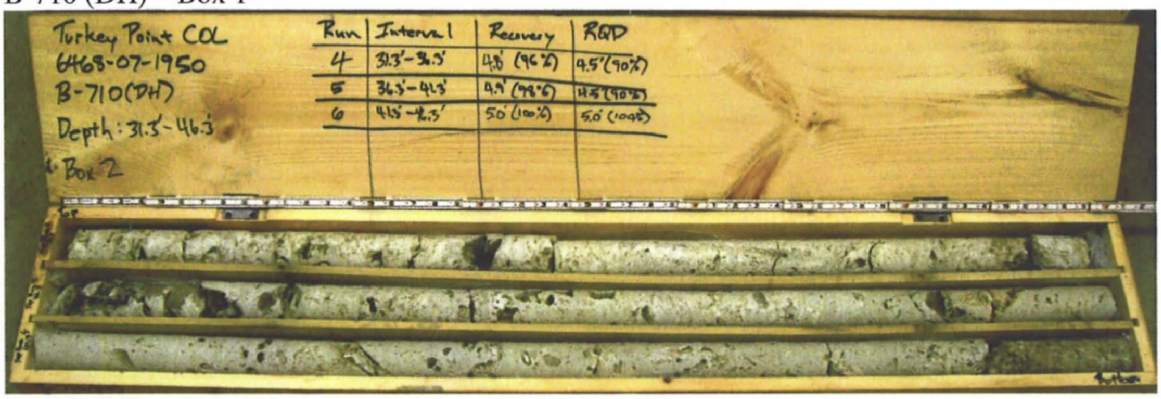


B-710 (DH) – Box 1



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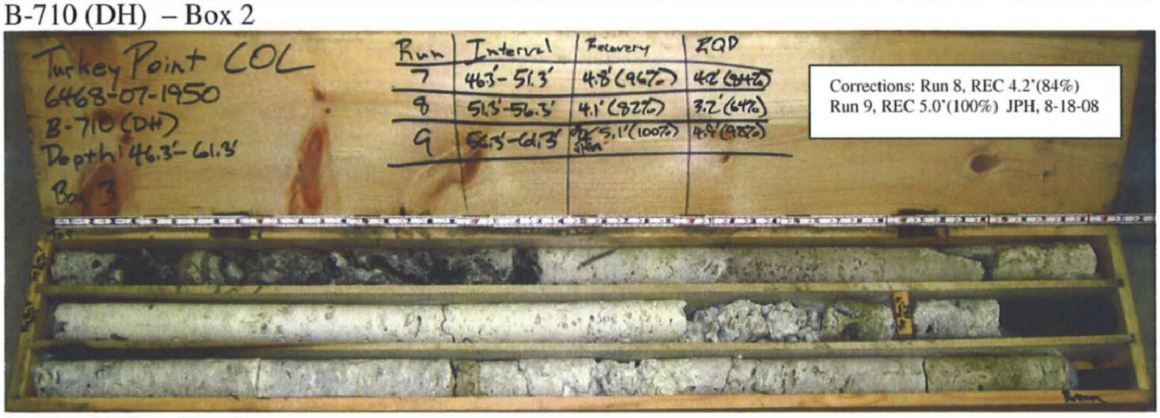
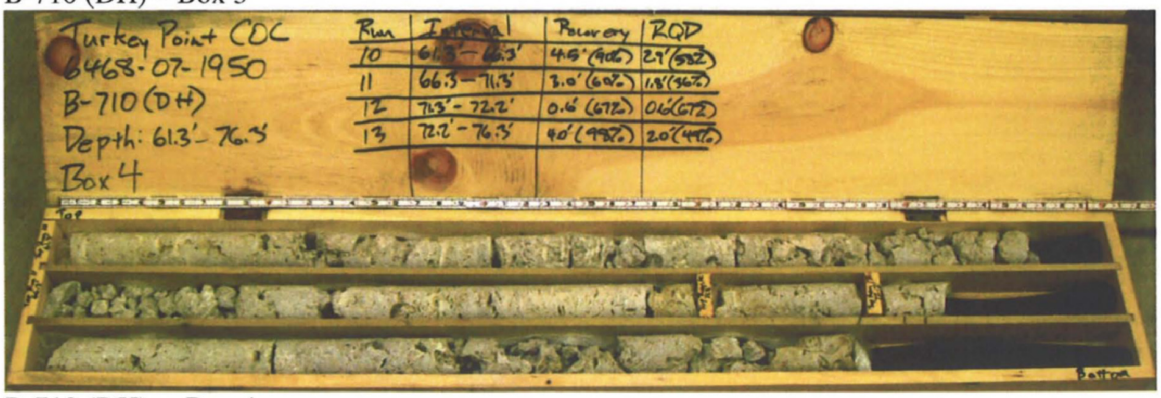


B-710 (DH) – Box 3



B-710 (DH) – Box 4