MACTEC

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	GROUND WATER (ft)
BORING NO.: B-715	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -0.9 ft (NAVD88)	NORTHING: 397,259 US ft (NAD83/90)	EASTING: 875,909 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 150.1 ft	CASING DEPTH: 4" to 28.3', 3" to 120.0'		HAMMER (ID): 140 lb. Auto (M06)
DATE STARTED: 4/8/08	COMPLETED: 4/10/08	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 @ 28.3 ft
-29.2	28.3	2.0	1:13 1:11	(2.0) 100%	(1.9) 95%	RUN-1	(19.0) 96%	(17.7) 90%		LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction, trace fine grained sand (Upper Fort Thompson Formation) *(continued)*
-31.2	30.3	5.0	1:01 0:34 0:36 0:30 0:32	(4.9) 98%	(4.3) 86%	RUN-2 *715-CS-01*				28.3ft: moderately hard, moderately indurated, trace vugs, coralline 30.3ft: moderately hard to hard, moderately indurated to indurated, trace recrystallized calcite
-36.2	35.3	5.0	1:04 0:38 0:59 0:44 0:32	(4.6) 92%	(4.3) 86%	RUN-3				35.3ft: hard, indurated, little vugs
-41.2	40.3	5.0	0:41 1:26 1:15 1:13 1:13	(5.0) 100%	(4.7) 94%	RUN-4 *715-CS-03*				40.3ft: trace vugs
-46.2	45.3	5.0	1:23 1:27 1:32 1:27 1:11	(4.8) 96%	(4.8) 96%	RUN-5				45.3ft: white (2.5Y8/1) to 46.0ft then light gray (10YR7/1) to 48.0ft -48.9 48.0
-51.2	50.3	5.0	1:15 1:16 1:47 1:48 2:15	(4.9) 98%	(3.5) 70%	RUN-6	(49.8) 77%	(24.1) 37%		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) 50.3ft: moderately hard to hard, moderately indurated to indurated
-56.2	55.3	5.0	1:28 0:39 1:07 0:59 1:02	(4.9) 98%	(4.0) 80%	RUN-7 *715-CS-05*				55.3ft: moderately hard, moderately indurated
-61.2	60.3	5.0	1:15 0:59 0:53 0:26 1:10	(4.5) 90%	(2.6) 52%	RUN-8				60.3ft: medium hard to hard, friable to indurated, trace sand, trace shell molds and casts
-66.2	65.3	5.0	0:25 0:26 0:22 0:14 0:49	(2.6) 52%	(0.4) 8%	RUN-9				65.3ft: interbedded sand, little vugs
-71.2	70.3	5.0	0:44 1:14 1:58 1:58 0:25	(4.5) 90%	(1.9) 38%	RUN-10				70.3ft: few vugs
-76.2	75.3	5.0	1:18 1:50 2:13 0:50 1:50	(3.0) 60%	(1.3) 26%	RUN-11				75.3ft: hard, indurated
-81.2	80.3	5.0	0:35 0:19 0:54 0:46 0:15	(1.8) 36%	(0.0) 0%	RUN-12				80.3ft: moderately hard, moderately indurated
-86.2	85.3	5.0	0:55 1:24 2:58 1:44 0:55	(4.7) 94%	(2.4) 48%	RUN-13 *715-CS-07*				85.3ft: hard, indurated
-91.2	90.3	5.0	0:40 0:58 0:44 0:43 1:37	(2.6) 52%	(1.2) 24%	RUN-14				90.3ft: medium hard to hard, friable to indurated, trace vugs, few to little sand
-96.2	95.3	5.0	1:12 0:50 0:36 0:53 1:07	(2.9) 58%	(1.2) 24%	RUN-15				95.3ft: friable to moderately indurated
-101.2	100.3	5.0	1:18 0:46 0:55	(5.0) 100%	(2.3) 46%	RUN-16				100.3ft: moderately hard, moderately indurated, little shell molds and casts

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

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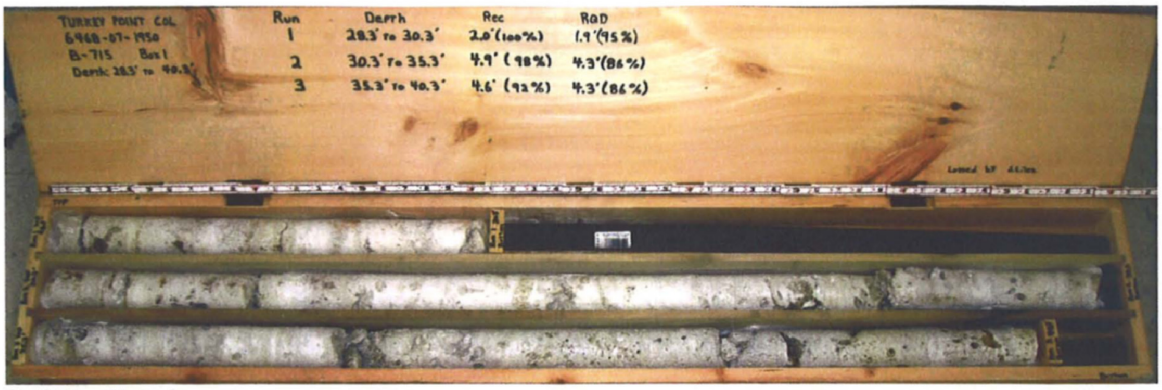
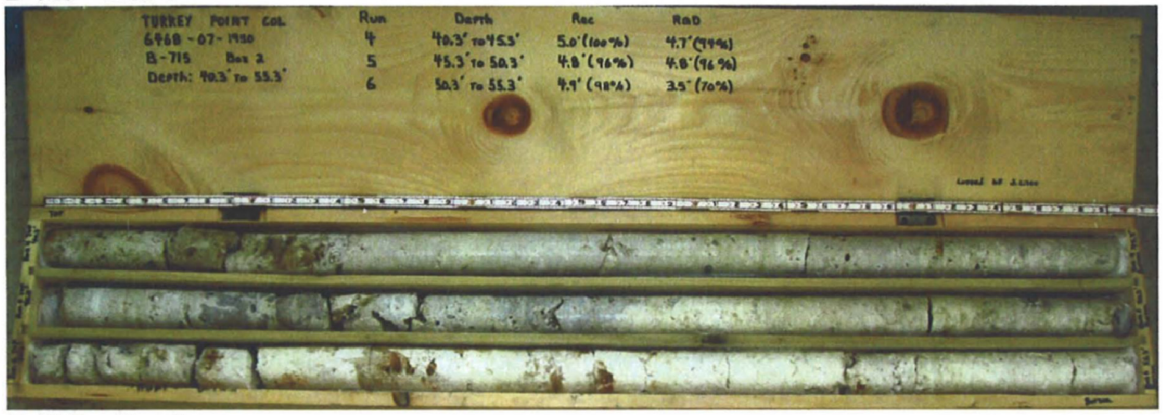
										Continued from previous page
-106.2	105.3		0:30 0:34							LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) *(continued)*
-111.2	110.3	5.0	0:42 0:34 0:43 0:56 0:40	(3.9) 78%	(0.4) 8%	RUN-17				105.3ft: moderately hard to hard, moderately indurated to indurated, some vugs
-116.2	115.3	5.0	0:41 1:23 0:50 0:34 0:23	(2.2) 44%	(0.6) 12%	RUN-18	(0.0) 0%	(NA)		110.3ft: moderately hard, moderately indurated, little to some fine grained sand -113.9 113.0 POORLY GRADED SAND with silt (SP-SM), light gray (5Y7/2), loose, wet, fine grained sand, strong HCl reaction, trace limestone fragments (Tamiami formation) -116.2 115.3 Coring Terminated at Elevation -116.2

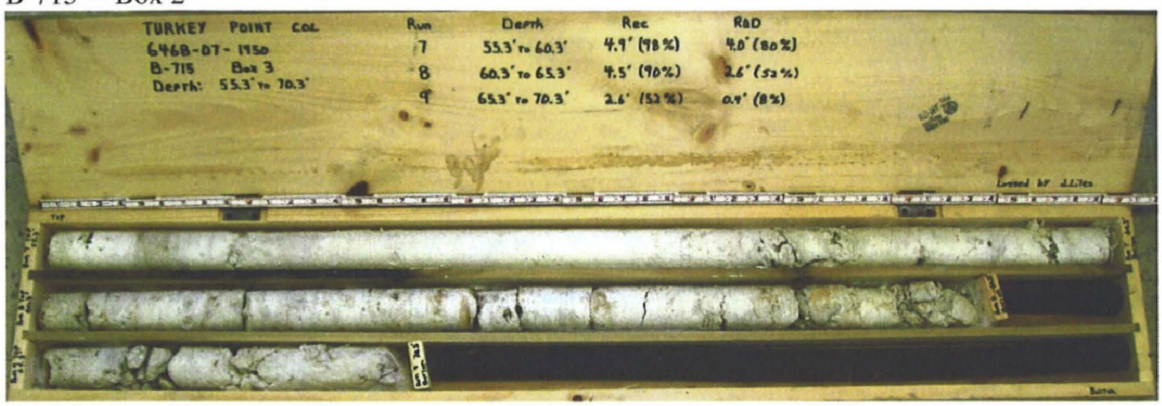
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5.30.08



B-715 – Box 1



B-715 – Box 2



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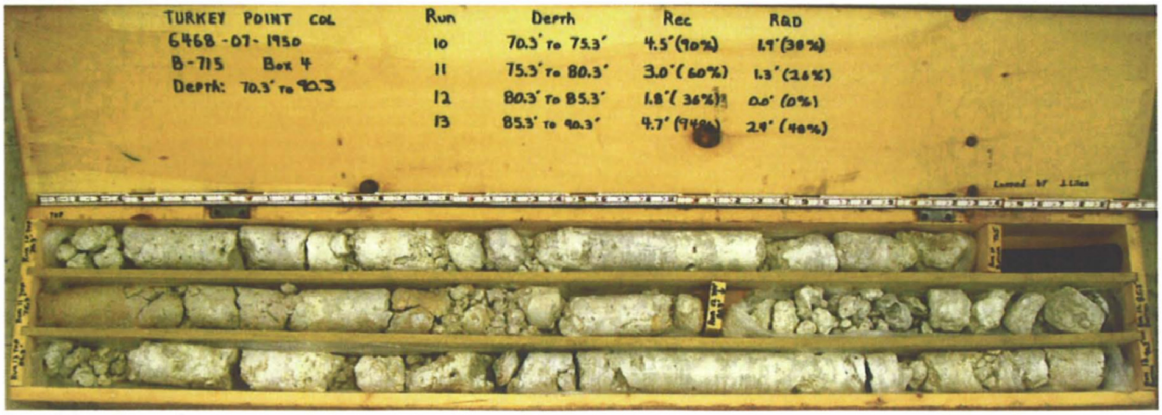

B-715 – Box 4