



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-550 (ATL)		DRILLER: L. Carter/ J. Rosser	
BORING NO.: B-731		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core	
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 396,646 US ft (NAD83/90)		EASTING: 875,423 US ft (NAD83/90)	
TOTAL DEPTH: 103.2 ft		CASING DEPTH: 4" to 16.0'			HAMMER (ID): 140 lb. Auto (MEC-03)
DATE STARTED: 5/1/08		COMPLETED: 5/3/08		CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	ROD (ft) %	SAMP. NO.	REC (ft) %	ROD (ft) %	L O G	DESCRIPTION AND REMARKS
										Begin Coring @ 16.0 ft
-17.5	16.0	2.2	2:08	(2.2)	(1.6)	RUN-1	(3.7)	(1.6)		LIMESTONE, boundstone, white (2.5YR8/1), very soft, wet, trace fine grained sand, strong HCl reaction, oolitic (Miami Formation) (continued)
-19.7	18.2	5.0	0:12/0.2	100%	73%		41%	18%		16.0ft: white (10YR8/1), to light gray (10YR7/1), to gray (10YR6/1), hard, indurated, trace fine grained sand, fossiliferous, locally interconnected vugs partially filled with cemented sand
-24.7	23.2	5.0	1:14 0:38 0:31 0:29 0:44	(1.0)	(0.0)	RUN-2				18.2ft: soft to hard, friable to indurated
-29.7	28.2	5.0	1:17 0:29 1:47 2:14 2:16	(3.7)	(1.3)	RUN-3	(21.1)	(14.2)		LIMESTONE, boundstone, white (10YR8/1), to gray (10YR6/1), to very pale brown (10YR7/3), soft to hard, moderately indurated to indurated, coralline, fossiliferous, few vugs, strong HCl reaction, recrystallized calcite (Upper Fort Thompson Formation)
-34.7	33.2	5.0	1:18 0:54 1:04 1:01 0:58	(4.8)	(4.1)	RUN-4				28.2ft: hard, indurated
-39.7	38.2	5.0	1:25 1:51 1:46 0:51 0:27	(3.8)	(2.4)	RUN-5				
-44.7	43.2	5.0	1:05 2:36 2:44 2:07 2:31	(4.3)	(1.8)	RUN-6				
-49.7	48.2	5.0	1:42 1:00 1:14 1:42 2:04	(5.0)	(4.6)	RUN-7				43.2ft: white (10YR8/1) to 46.2ft, then gray (10YR6/1) to 48.2ft, trace vugs
-54.7	53.2	5.0	1:54 1:31 1:27 1:18 1:21	(4.9)	(4.9)	RUN-8	(40.3)	(24.2)		LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-59.7	58.2	5.0	1:24 2:26 2:39 2:18 2:06	(4.6)	(3.5)	RUN-9				53.2ft: white (10YR8/1), moderately indurated to indurated, trace fine grained sand
-64.7	63.2	5.0	1:54 1:11 1:35 1:47 0:41	(2.7)	(1.3)	RUN-10				58.2ft: moderately hard to hard 58.2 to 68.2ft: possible interbedded sand layers; based on recoveries and drilling rates
-69.7	68.2	5.0	0:54 1:31 0:39 0:06 1:36	(1.3)	(0.0)	RUN-11				63.2ft: hard, indurated, no vugs
-74.7	73.2	5.0	4:15 3:05 3:28 2:11 1:42	(5.0)	(4.6)	RUN-12				68.2ft: white (10YR8/1), to light gray (10YR7/2), few vugs
-79.7	78.2	5.0	1:24 2:04 2:15 1:14 1:32	(4.8)	(3.4)	RUN-13				73.2ft: white (10YR8/1), trace vugs, trace fine grained sand
-84.7	83.2	5.0	0:46 1:27 0:52 2:20 0:32	(3.7)	(1.0)	RUN-14				78.2ft: shell molds and casts
-89.7	88.2	5.0	0:51 0:50 3:05 4:08 2:38	(4.3)	(1.7)	RUN-15				
		5.0	2:05 1:23	(4.0)	(2.1)	RUN-16				88.2ft: moderately hard, moderately indurated

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 7/10/08

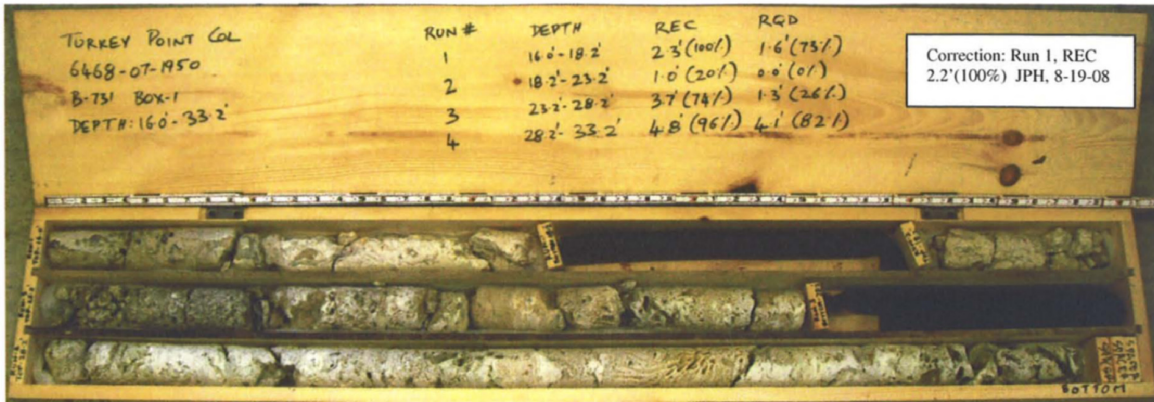


SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: G. Pillappa
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Rosser	GROUND WATER (ft)
BORING NO.: B-731	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,646 US ft (NAD83/90)	EASTING: 875,423 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 103.2 ft	CASING DEPTH: 4" to 16.0'	HAMMER (ID): 140 lb. Auto (MEC-03)	
DATE STARTED: 5/1/08	COMPLETED: 5/3/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

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
-94.7	93.2		0:47 0:51 0:54							LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	0:26 0:25 0:12 0:40 0:39	(1.4) 28%	(0.0) 0%	RUN-17				93.2ft: hard, indurated, possible interbedded sand layers; based on recovery and drilling rates
-99.7	98.2									
		5.0	3:22 1:04 2:00 1:21 0:53	(3.6) 72%	(1.7) 34%	RUN-18				98.2ft: moderately hard to hard, moderately indurated to indurated, little shell molds and casts
-104.7	103.2									
										Coring Terminated at Elevation -104.7

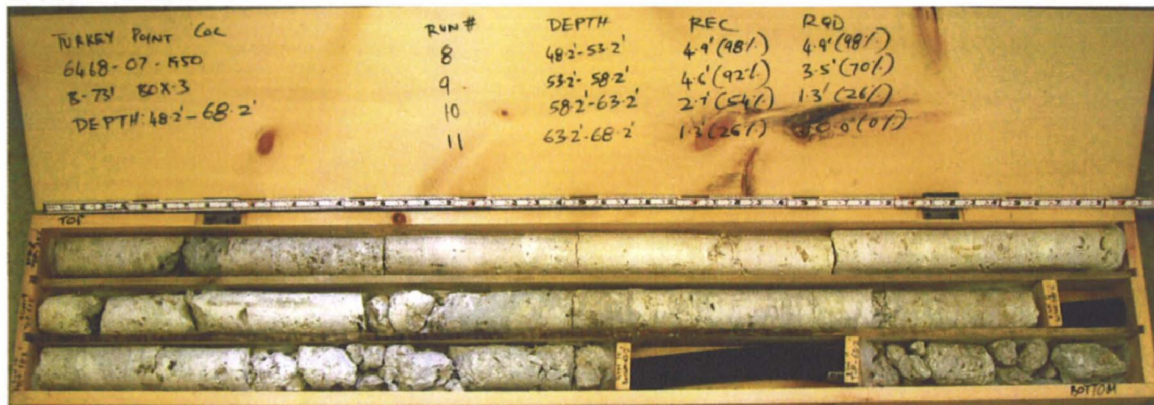
TURKEY POINT COL CORE TURKEY POINT GPI TURKEY POINT COL GDT 7/10/08



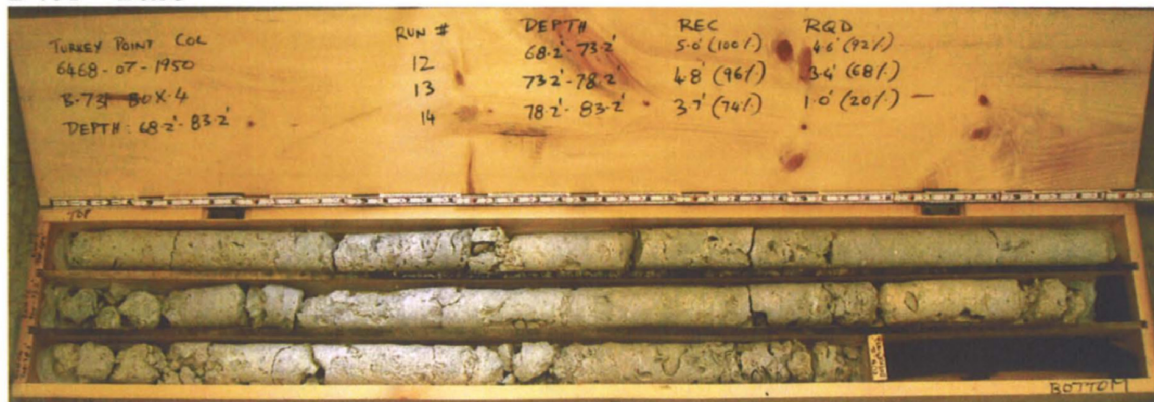
B-731 - Box 1



B-731 - Box 2



B-731 - Box 3



B-731 - Box 4