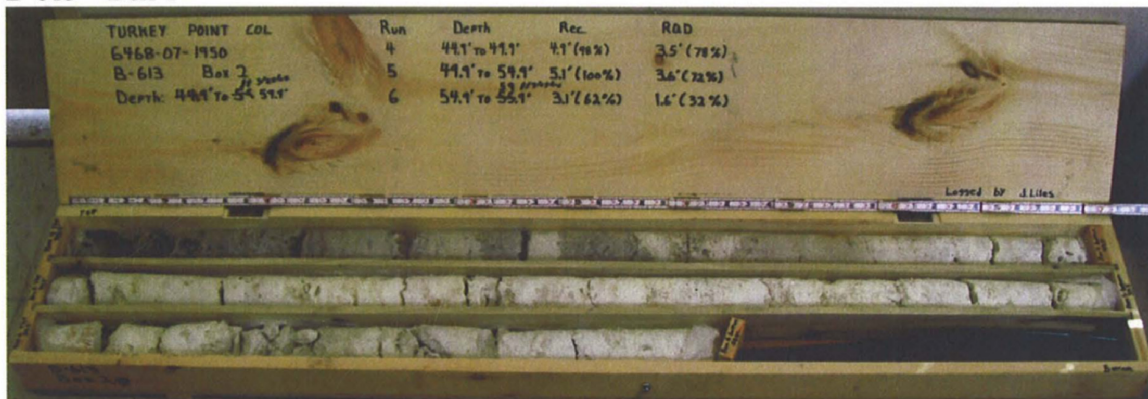




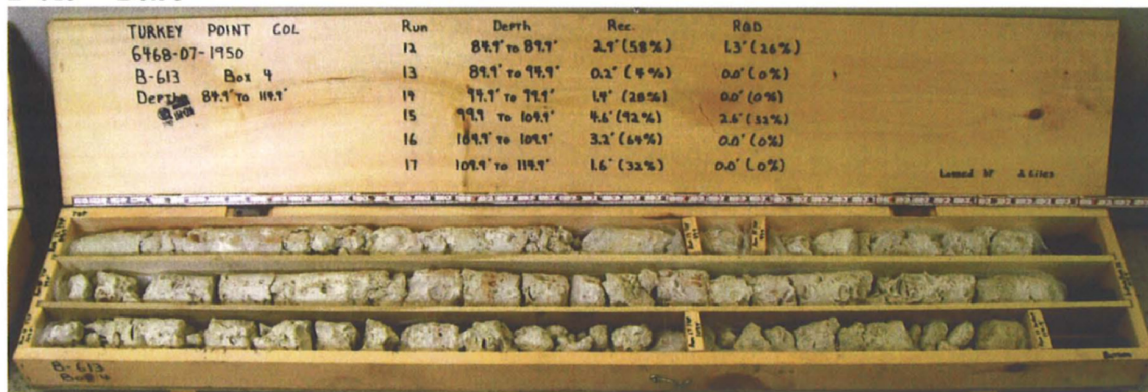
B-613 - Box 1



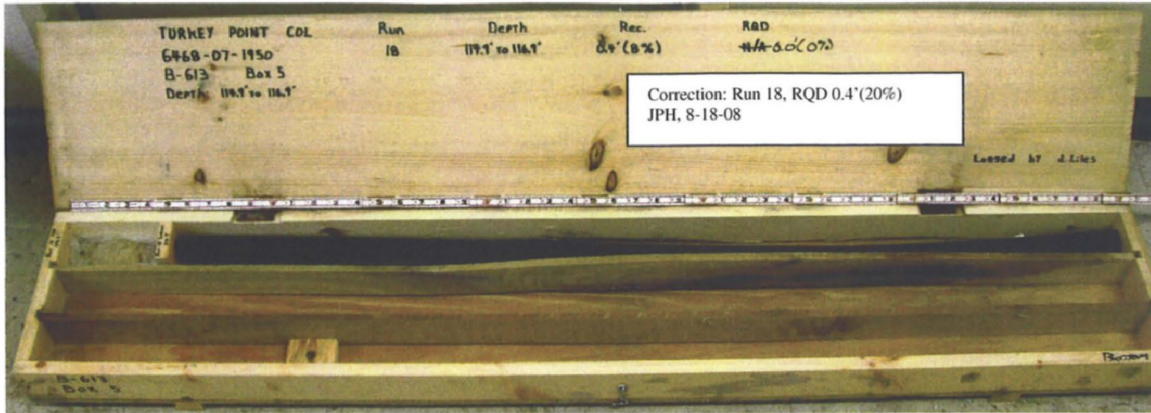
B-613 - Box 2



B-613 - Box 3



B-613 - Box 4



B-613 - Box 5



GEOTECHNICAL BORING LOG

Prepared By JPP Date 5-30-08

Checked By JML Date 5-30-08

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-614		DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core		0 HR. NA						
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 397,204 US ft (NAD83/90)			EASTING: 876,871 US ft (NAD83/90)		24 HR. NA						
TOTAL DEPTH: 128.0 ft		BORING DIAMETER: 4" to 30.0', 3" to 128.0'			CASING DEPTH: 4" to 30.0', 3" to 116.4'		HAMMER (ID):140 lb. Auto (M06)						
DATE STARTED: 3/20/08		COMPLETED: 3/22/08			CORE SIZE: HQ3		BITS USED: 2 7/8" Roller Cone						
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
-1.5	0.0	WOH	WOH	WOH	Ground Surface								
-4.3	2.8	WOH	3	23							614-1		MUCK, black (2.5Y2.5/1), very soft, wet, fibrous, strong HCl reaction
-6.6	5.1	7	10	8							614-2		2.8ft: soft
-9.0	7.5	57	9	5							614-3		LIMESTONE, boundstone, white (2.5Y8/1), soft, wet, strong HCl reaction, oolitic (Miami Formation)
-11.4	9.9	3	2	6							614-4		7.5ft: very soft, fossiliferous
-14.0	12.5	4	3	6							614-5		9.9ft: trace fine sand
-16.1	14.6	7	30	25							614-6		
											614-7		14.6ft: moderately hard
-23.7	22.2	3	6	2							614-8		22.2ft: very soft
-28.5	27.0	4	33	7							614-9		LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, strong HCl reaction (Upper Fort Thompson Formation)
-33.5	32.0	50/0.4									614-10		32.0ft: hard
-33.9	32.4	50/0.4									RUN-1		32.4ft: Switch sampling method to coring
-37.9	36.4										RUN-2		32.4ft: white (2.5Y8/1), hard, indurated, strong HCl reaction, coralline
-42.9	41.4										RUN-3		36.4ft: moderately hard, moderately indurated, few vugs
-47.9	46.4										RUN-4		46.4ft: white (2.5Y8/1) to 48.1ft, then gray (10YR6/1) to 49.7 ft, indurated, fossiliferous, recrystallized calcite
-52.9	51.4										RUN-5		49.7ft: LIMESTONE, boundstone, white (2.5Y8/1), hard, moderately indurated to indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-57.9	56.4										614-CS-02		
-62.9	61.4										RUN-6		56.4ft: moderately hard, moderately indurated, trace vugs
-67.9	66.4										RUN-7		61.4ft: hard, indurated, trace shell molds and casts
-72.9	71.4										RUN-8		66.4ft: few vugs
											RUN-9		71.4ft: little vugs

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 5/30/08



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-614		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 397,204 US ft (NAD83/90)		EASTING: 876,871 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 128.0 ft		BORING DIAMETER: 4" to 30.0', 3" to 128.0'		CASING DEPTH: 4" to 30.0', 3" to 116.4'		HAMMER (ID): 140 lb. Auto (M06)							
DATE STARTED: 3/20/08		COMPLETED: 3/22/08		CORE SIZE: HQ3		BITS USED: 2 7/8" Roller Cone							
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100
-76.3					Continued from previous page								
-77.9	76.4												LIMESTONE, boundstone, white (2.5Y8/1), hard, moderately indurated to indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) 76.4ft: few vugs
-82.9	81.4												
-87.9	86.4												
-92.9	91.4												
-97.9	96.4												91.4ft: moderately hard, moderately indurated, little vugs
-102.9	101.4												96.4ft: sandy, few vugs, few shell molds and casts
-107.9	106.4												101.4ft: mostly vugs
-112.9	111.4												106.4ft: some vugs
-117.9	116.4												111.4ft: few vugs
-117.9	116.4	12	6	11									POORLY GRADED SAND (SP), light gray (2.5Y7/2), medium dense, wet, fine grained sand, strong HCl reaction, limestone fragments decreasing with depth (Tamiami Formation) 116.4ft: Switch sampling method to SPT
-128.0	126.5	6	6	6									Silty SAND (SM), greenish gray (10Y5/1), medium dense, wet, fine to medium grained sand, strong HCl reaction Boring Terminated at Elevation -129.5 ft

TURKEY POINT BORE: TURKEY POINT: GPI TURKEY POINT COL GDT 5:30:08



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-614		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA	
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 397,204 US ft (NAD83/90)		EASTING: 876,871 US ft (NAD83/90)		24 HR. NA	
TOTAL DEPTH: 128.0 ft		CASING DEPTH: 4" to 30.0', 3" to 116.4'				HAMMER (ID): 140 lb. Auto (M06)	
DATE STARTED: 3/20/08		COMPLETED: 3/22/08		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		LOG	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Begin Coring @ 32.4 ft
-33.9	32.4	4.0	0:58 0:49 0:56 1:28	(2.6) 65%	(0.0) 0%	RUN-1	(15.9) 92%	(10.0) 58%		LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, strong HCl reaction (Upper Fort Thompson Formation) (continued)
-37.9	36.4	5.0	1:28 1:53 2:17 1:25 1:05 1:06	(5.0) 100%	(3.9) 78%	RUN-2				32.4ft: white (2.5Y8/1), hard, indurated, strong HCl reaction, coralline 36.4ft: moderately hard, moderately indurated, few vugs
-42.9	41.4	5.0	1:04 1:14 1:11 1:00 0:53	(5.0) 100%	(4.4) 88%	RUN-3				
-47.9	46.4	5.0	1:44 2:18 1:39 2:06 1:34	(5.0) 100%	(3.4) 68%	RUN-4				46.4ft: white (2.5Y8/1) to 48.1ft, then gray (10YR6/1) to 49.7 ft, indurated, fossiliferous, recrystallized calcite
-52.9	51.4	5.0	2:27 2:04 1:07 1:29 1:05	(5.0) 100%	(4.5) 90%	RUN-5 614-CS-02	(49.1) 78%	(31.4) 50%		LIMESTONE, boundstone, white (2.5Y8/1), hard, moderately indurated to indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-57.9	56.4	5.0	0:45 0:37 0:36 0:43 1:04	(4.2) 84%	(1.5) 30%	RUN-6				56.4ft: moderately hard, moderately indurated, trace vugs
-62.9	61.4	5.0	0:52 0:53 1:08 1:20 0:59	(4.4) 88%	(4.0) 80%	RUN-7				61.4ft: hard, indurated, trace shell molds and casts
-67.9	66.4	5.0	0:49 0:43 0:52 1:13 0:24	(4.5) 90%	(3.4) 68%	RUN-8				66.4ft: few vugs
-72.9	71.4	5.0	0:17 0:19 0:47 0:36 0:45	(2.4) 48%	(0.9) 18%	RUN-9				71.4ft: little vugs
-77.9	76.4	5.0	1:32 0:43 0:17 1:12 1:10	(3.6) 72%	(2.8) 56%	RUN-10				76.4ft: few vugs
-82.9	81.4	5.0	0:47 0:41 0:43 0:41 0:30	(3.6) 72%	(3.2) 64%	RUN-11 614-CS-04				
-87.9	86.4	5.0	0:21 0:27 0:46 1:58 1:16	(2.8) 56%	(1.4) 28%	RUN-12				
-92.9	91.4	5.0	0:54 0:42 0:41 0:34 0:22	(4.5) 90%	(2.0) 40%	RUN-13				91.4ft: moderately hard, moderately indurated, little vugs
-97.9	96.4	5.0	0:17 0:21 0:18 0:15 0:34	(2.6) 52%	(0.4) 8%	RUN-14				96.4ft: sandy, few vugs, few shell molds and casts
-102.9	101.4	5.0	0:23 0:12 0:18 0:24 0:23	(4.9) 98%	(4.0) 80%	RUN-15				101.4ft: mostly vugs

TURKEY POINT COL CORE TURKEY POINT GJT TURKEY POINT COL GDT 5:30:08



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) 0 HR. NA 24 HR. NA
BORING NO.: B-614	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 397,204 US ft (NAD83/90)	EASTING: 876,871 US ft (NAD83/90)	
TOTAL DEPTH: 128.0 ft	CASING DEPTH: 4" to 30.0', 3" to 116.4'		HAMMER (ID): 140 lb. Auto (M06)
DATE STARTED: 3/20/08	COMPLETED: 3/22/08	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		LOG	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-112.9	111.4	5.0	0:15 0:26 0:35 0:41 0:43	(3.5) 70%	(1.6) 32%	RUN-16				106.4ft. some vugs LIMESTONE, boundstone, white (2.5Y8/1), hard, moderately indurated to indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	0:24 0:23 0:20 0:17 0:09	(1.4) 28%	(0.0) 0%	RUN-17	(0.0) 0%	(NA)		111.4ft: few vugs POORLY GRADED SAND (SP), light gray (2.5Y7/2), medium dense, wet, fine grained sand, strong HCl reaction, limestone fragments decreasing with depth (Tamiami Formation)
-117.9	116.4									Coring Terminated at Elevation -117.9

TURKEY POINT COL CORE TURKEY POINT COL GDT 5:30 08



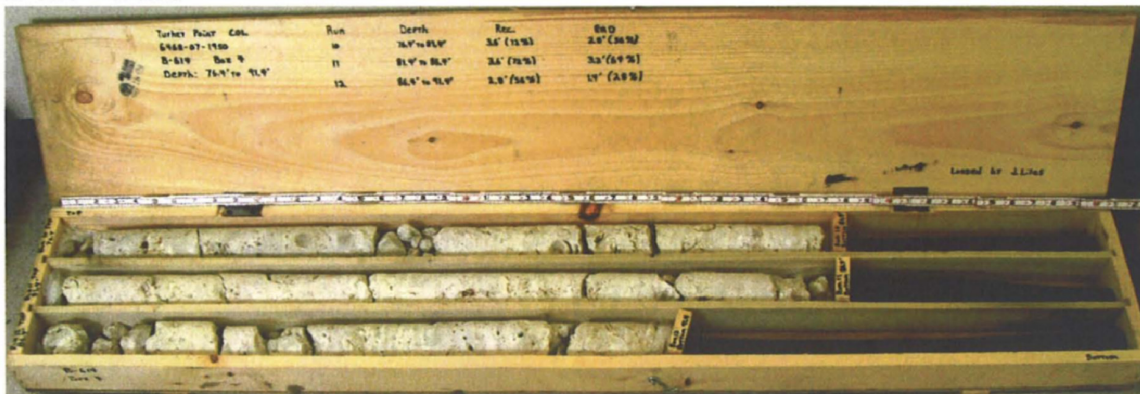
B-614 - Box 1



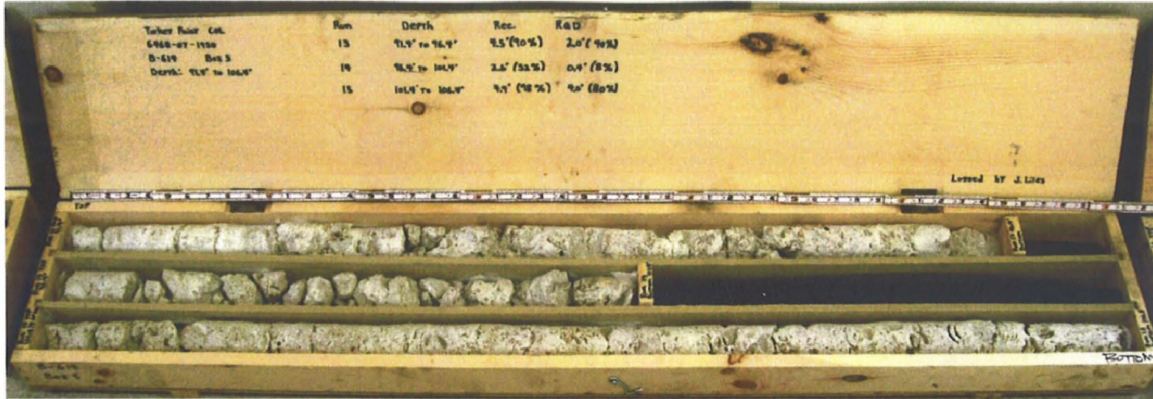
B-614 - Box 2



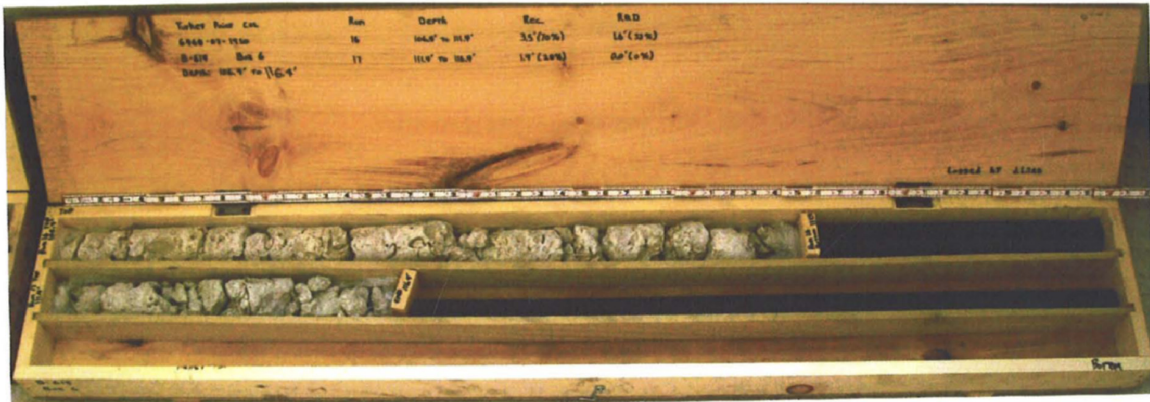
B-614 - Box 3



B-614 - Box 4



B-614 - Box 5



B-614 - Box 6