MACTEC

GEOTECHNICAL BORING LOG

Prepared By [illegible] Date 8-19-08
Checked By [illegible] Date 8/19/08

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: R. Clark
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-750 (Miller)	DRILLER: G.Bilbrey/P.McKorkle/J.Tucker	GROUND WATER (ft)
BORING NO.: B-628	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 397,073 US ft (NAD83/90)	EASTING: 876,473 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 127.9 ft	BORING DIAMETER: 4" to 36.0', 3" to 127.9'	CASING DEPTH: 4" to 36.0', 3" to 118.0'	HAMMER (ID):140 lb. Auto (07)
DATE STARTED: 2/19/08	COMPLETED: 2/21/08	CORE SIZE: HQ3	BITS USED: 2 15/16" & 3 7/8" Tricones

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-1.5					Ground Surface				-1.5 / 0.0
-1.5 / -4.3	0.0 / 2.8	WOH	WOH	WOH	WOH, 0	628-1			MUCK, light brownish gray (10YR6/2), very soft to soft, wet, strong HCl reaction, mostly organic, shells fragments
-6.8	5.3	WOH	4	8	12	628-2A&B			-5.3 / 3.8 LIMESTONE, boundstone, pale yellow (5Y8/3), very soft, wet, strong HCl reaction, fossiliferous (Miami Formation)
-9.3	7.8	10	9	7	16	628-3			
-11.7	10.2	5	10	2	12	628-4			7.8ft: friable, with clasts or infilled voids
-14.2	12.7	6	5	23	28	628-5			10.2ft: soft
-16.6	15.1	19	24	10	34	628-6			12.7ft: medium hard
-19.8	18.3	15	19	17	36	628-7			
-24.8	23.3	2	2	3	5	628-8			18.3ft: very soft
-29.5	28.0	4	12	20	32	628-9			-25.5 / 24.0 LIMESTONE, boundstone, pale yellow (5Y8/2), medium hard, wet, friable, porous, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation)
-34.5	33.0	17	13	28	41	628-10			
-37.5	36.0	10	20	50/0.2	70/0.7	628-11			33.0ft: hard, coralline
-42.5	41.0					RUN-1			36.0ft: Switch sampling method to coring 36.0ft: white (2.5Y8/1), hard, indurated, fossiliferous, little vugs lined with recrystallized calcite, strong HCl reaction
-47.5	46.0					RUN-2			39.0ft: loss of circulation 41.0ft: pale yellow (5Y8/3)
-52.5	51.0					RUN-3			46.0ft: pale yellow (5Y8/3) to 46.4ft then light gray (N7/) to 48.4ft -49.9 / 48.4 LIMESTONE, boundstone, white (5Y8/1), hard, indurated, porous, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-57.5	56.0					RUN-4			
-62.5	61.0					RUN-5			56.0ft: moderately hard, moderately indurated, trace sand lenses
-67.5	66.0					RUN-6			61.0ft: medium to moderately hard, friable to moderately indurated, few shell molds
-72.5	71.0					RUN-7			66.0ft: moderately indurated to indurated
						RUN-8			

SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA

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

MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: R. Clark
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-750 (Miller)	DRILLER: G.Bilbrey/P.McKorkle/J.Tucker	GROUND WATER (ft)
BORING NO.: B-628	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 397,073 US ft (NAD83/90)	EASTING: 876,473 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 127.9 ft	BORING DIAMETER: 4" to 36.0', 3" to 127.9'	CASING DEPTH: 4" to 36.0', 3" to 118.0'	HAMMER (ID):140 lb. Auto (07)
DATE STARTED: 2/19/08	COMPLETED: 2/21/08	CORE SIZE: HQ3	BITS USED: 2 15/16" & 3 7/8" Tricones

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-76.3					Continued from previous page				
-77.5	76.0					RUN-9			LIMESTONE, boundstone, white (5Y8/1), hard, indurated, porous, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) *(continued)* 75.0ft: some circulation returned
-82.5	81.0					RUN-10			81.0ft: moderately hard to hard, moderately indurated to indurated, little vugs
-87.5	86.0					RUN-11			86.0ft: fine to medium grained calcareous sand lenses
-92.5	91.0					RUN-12			91.0ft: medium hard, friable to moderately indurated, some vugs filled with calcareous medium grained sand
-97.5	96.0					RUN-13			96.0ft: moderately hard, indurated
-102.5	101.0					RUN-1			101ft: hard, indurated, shell molds and casts
-107.5	106.0					RUN-15			
-112.5	111.0					RUN-16			
-117.5	116.0								-117.7 116.2
-122.9	121.4	7	7	4	11	628-12			116.0ft: Switch sampling method to SPT Silty SAND (SM), light greenish gray (10YR8/1), medium dense, wet, strong HCl reaction, fine grained sand
-127.9	126.4	5	5	6	11	628-13			
		3	2	3	5	628-14			-129.4 126.4ft: loose 127.9
									Boring Terminated at Elevation -129.4 ft

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

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BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: R. Clark
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GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 397,073 US ft (NAD83/90)	EASTING: 876,473 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 127.9 ft	CASING DEPTH: 4" to 36.0', 3" to 118.0'		HAMMER (ID): 140 lb. Auto (07)
DATE STARTED: 2/19/08	COMPLETED: 2/21/08	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 @ 36.0 ft
-37.5	36.0	5.0	1:06 0:43 1:28 1:26 2:07	(5.0) 100%	(4.5) 90%	RUN-1	(12.4) 100%	(11.9) 96%		LIMESTONE, boundstone, pale yellow (5Y8/2), medium hard, wet, friable, porous, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation) *(continued)* 36.0ft: white (2.5Y8/1), hard, indurated, fossiliferous, little vugs lined with recrystallized calcite, strong HCl reaction
-42.5	41.0	5.0	2:02 1:16 1:56 1:36 1:33	(5.0) 100%	(5.0) 100%	RUN-2				39.0ft: loss of circulation 41.0ft: pale yellow (5Y8/3)
-47.5	46.0	5.0	1:14 2:11 3:05 3:36 3:26	(5.0) 100%	(5.0) 100%	RUN-3				46.0ft: pale yellow (5Y8/3) to 46.4ft then light gray (N7/) to 48.4ft -49.9 48.4
-52.5	51.0	5.0	2:02 1:33 2:36 2:14 1:28	(5.0) 100%	(5.0) 100%	RUN-4	(44.8) 66%	(32.7) 48%		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, porous, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-57.5	56.0	5.0	2:21 2:33 1:05 0:45 2:05	(4.6) 92%	(4.2) 84%	RUN-5				56.0ft: moderately hard, moderately indurated, trace sand lenses
-62.5	61.0	5.0	1:14 1:22 1:05 0:52 0:29	(3.2) 64%	(2.3) 46%	RUN-6				61.0ft: medium to moderately hard, friable to moderately indurated, few shell molds
-67.5	66.0	5.0	1:20 0:33 0:21 0:33 1:40	(2.8) 56%	(1.2) 24%	RUN-7				66.0ft: moderately indurated to indurated
-72.5	71.0	5.0	0:52 0:51 1:02 0:33 1:33	(3.1) 62%	(1.4) 28%	RUN-8				75.0ft: some circulation returned
-77.5	76.0	5.0	0:29 0:22 1:45 2:13 2:02	(1.1) 22%	(0.4) 8%	RUN-9				81.0ft: moderately hard to hard, moderately indurated to indurated, little vugs
-82.5	81.0	5.0	0:58 0:51 2:24 0:22 0:03	(2.6) 52%	(0.9) 18%	RUN-10				86.0ft: fine to medium grained calcareous sand lenses
-87.5	86.0	5.0	0:01 0:40 0:46 1:01 2:25	(2.2) 44%	(1.1) 22%	RUN-11				91.0ft: medium hard, friable to moderately indurated, some vugs filled with calcareous medium grained sand
-92.5	91.0	5.0	0:52 0:32 1:31 0:44 1:11	(4.2) 84%	(3.0) 60%	RUN-12				96.0ft: moderately hard, indurated
-97.5	96.0	5.0	1:02 1:01 0:55 1:05 1:09	(2.7) 54%	(1.8) 36%	RUN-13				101ft: hard, indurated, shell molds and casts
-102.5	101.0	5.0	0:41 0:36 0:53 0:39 0:54	(4.2) 84%	(3.4) 68%	RUN-14				
-107.5	106.0	5.0	0:45 0:52 0:35 0:36 0:54	(5.0) 100%	(4.8) 96%	RUN-15				
-112.5	111.0									

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

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BORING NO.: B-628	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
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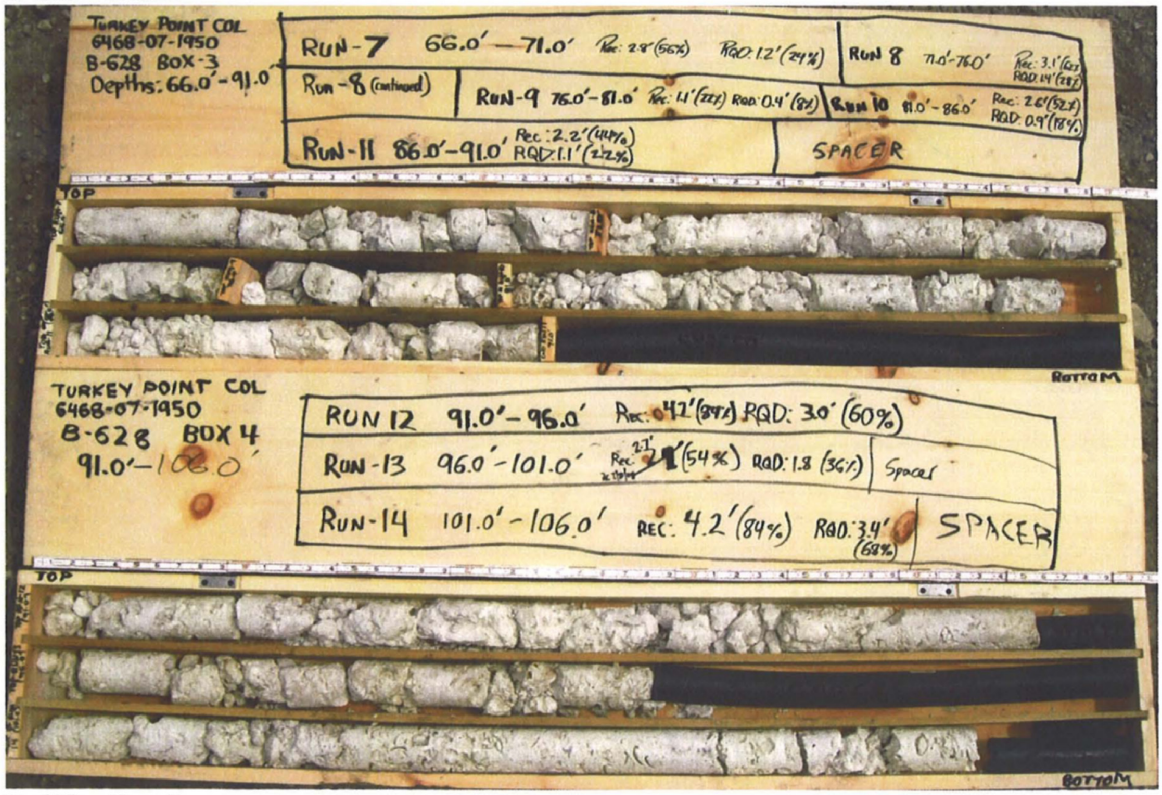
TOTAL DEPTH: 127.9 ft	CASING DEPTH: 4" to 36.0', 3" to 118.0'		HAMMER (ID): 140 lb. Auto (07)
DATE STARTED: 2/19/08	COMPLETED: 2/21/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

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
										Continued from previous page
-117.5	116.0	5.0	0:26 0:15 0:28 0:24 0:48	(1.5) 30%	(0.6) 12%	RUN-16				LIMESTONE, boundstone, white (5Y8/1), hard, indurated, porous, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) *(continued)* -117.5 116.0 Coring Terminated at Elevation -117.5

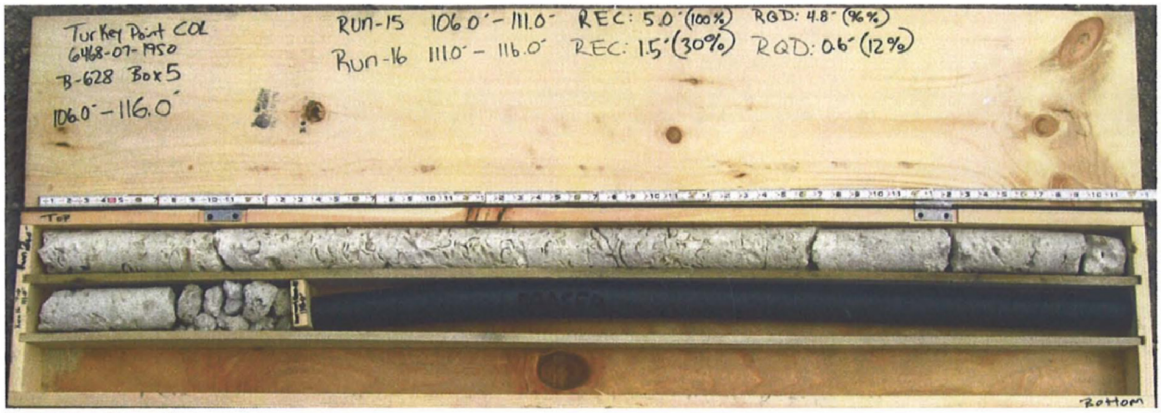
B-628 – Box 1

B-628 – Box 2



B-628 – Box 3

B-628 – Box 4


Turkey Point COL
6468-07-1950
B-628 Box 5
106.0' – 116.0'
RUN-15 106.0' – 111.0' REC: 5.0' (100%) RQD: 4.8' (96%)
Run-16 111.0' – 116.0' REC: 1.5' (30%) RQD: 0.6' (12%)
Top
Bottom

B-628 – Box 5

MACTEC

GEOTECHNICAL BORING LOG

Prepared By [illegible] Date 5-30-08
Checked By [illegible] Date 5-30-08

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: L. Bisson
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-629	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.1 ft (NAVD88)	NORTHING: 396,972 US ft (NAD83/90)	EASTING: 876,346 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.3 ft	BORING DIAMETER: 4" to 35.0', 3" to 100.3'	CASING DEPTH: 4" to 35.0'	HAMMER (ID):140 lb. Auto (MEC-03)
DATE STARTED: 4/6/08	COMPLETED: 4/7/08	CORE SIZE: HQ3	BITS USED: 4" Roller Cone

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-1.1					Ground Surface				-1.1 0.0
-1.1 / -3.6	0.0 / 2.5	WOR	WOR	WOR	WOR 0	629-1			MUCK, brown (10YR5/3), very soft, wet, organics, trace shell fragments, strong HCl reaction
-6.1	5.0	WOR	2	4	6	629-2A/B			-4.6 3.5 2.5ft: black (10YR2/1)
-8.6	7.5	4	5	6	11	629-3			LIMESTONE, boundstone, pale yellow (2.5Y8/3), very soft, sandy, strong HCl reaction (Miami Formation)
-11.1	10.0	5	6	5	11	629-4			5.0ft: fossiliferous, oolitic
-13.6	12.5	4	4	2	6	629-5			7.5ft: pale yellow (2.5Y8/2), to light gray (2.5Y7/1)
-16.1	15.0	4	14	9	23	629-6			12.5ft: white (2.5Y8/1), to light gray (2.5Y7/1), soft
-20.5	19.4	6	15	12	27	629-7			
-25.5	24.4	4	3	2	5	629-8			19.4ft: white (10YR8/1), very soft
-30.5	29.4	3	7	4	11	629-9			-28.1 27.0 LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation)
-35.5	34.4	12	21	15	36	629-10			32.0ft: loss of circulation 34.4ft: hard
-35.8	34.7	50/0.3			50/0.3	629-11			34.7ft: Switch sampling method to coring
-39.4	38.3					RUN-1			34.7ft: white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, trace vugs
-44.4	43.3					RUN-2			38.3ft: recrystallized calcite, coralline
-48.1	47.0					RUN-3			43.3ft: white (10YR8/1) to 46.3ft then gray (10YR6/1), few vugs
-49.4	48.3					RUN-4			-49.4 47.0ft: gray (10Y6/1) to 48.3ft 48.3
-54.4	53.3					RUN-5			LIMESTONE, boundstone, white (10YR8/1), medium hard to hard, indurated, fossiliferous, trace vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)
-59.4	58.3					RUN-6			53.3ft: white (2.5Y8/1), medium hard, moderately indurated, little sand, few to little shell molds
-64.4	63.3					RUN-7			58.3ft: white (10YR8/1), soft to medium hard, moderately indurated
-69.4	68.3					RUN-8			63.3ft: moderately indurated to indurated
-74.4	73.3					RUN-9			
						RUN-10			73.3ft: white (2.5Y8/1), to light gray (2.5Y7/1)

SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA

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

MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: L. Bisson
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (ATL)	DRILLER: L. Carter/ J. Landeros	GROUND WATER (ft)
BORING NO.: B-629	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.1 ft (NAVD88)	NORTHING: 396,972 US ft (NAD83/90)	EASTING: 876,346 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.3 ft	BORING DIAMETER: 4" to 35.0', 3" to 100.3'	CASING DEPTH: 4" to 35.0'	HAMMER (ID):140 lb. Auto (MEC-03)
DATE STARTED: 4/6/08	COMPLETED: 4/7/08	CORE SIZE: HQ3	BITS USED: 4" Roller Cone

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-75.9					Continued from previous page				
-79.4	78.3								LIMESTONE, boundstone, white (10YR8/1), medium hard to hard, indurated, fossiliferous, trace vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation) *(continued)*
						RUN-11			78.3ft: medium hard to moderately hard, moderately indurated to indurated, trace shell molds
-84.4	83.3								83.3ft: white (2.5Y8/1), hard, indurated, few shell molds and casts
						RUN-12			
-89.4	88.3								88.3ft: white (10YR8/1), moderately hard
						RUN-13			
-94.4	93.3								93.3ft: soft to medium hard, moderately indurated,
						RUN-14			
-99.4	98.3								98.3ft: medium hard to hard
						RUN-15			
									-101.4 100.3
									Boring Terminated at Elevation -101.4 ft

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

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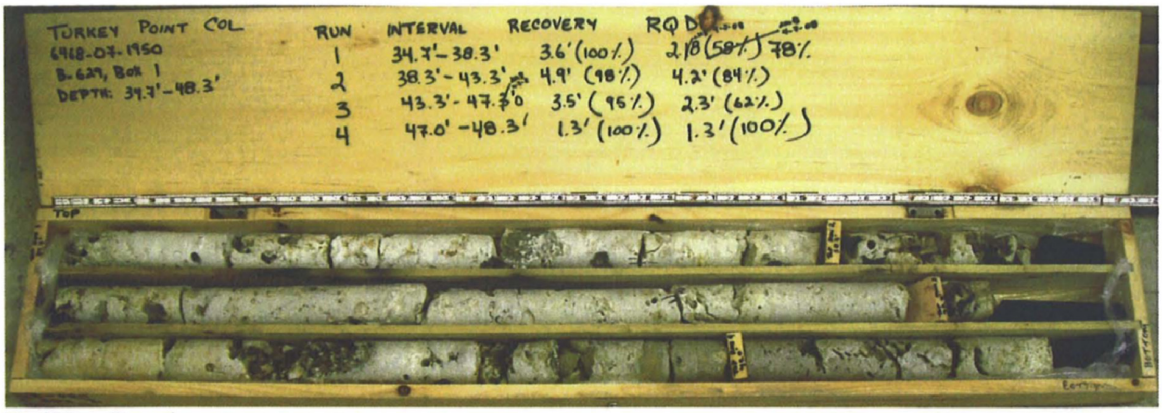
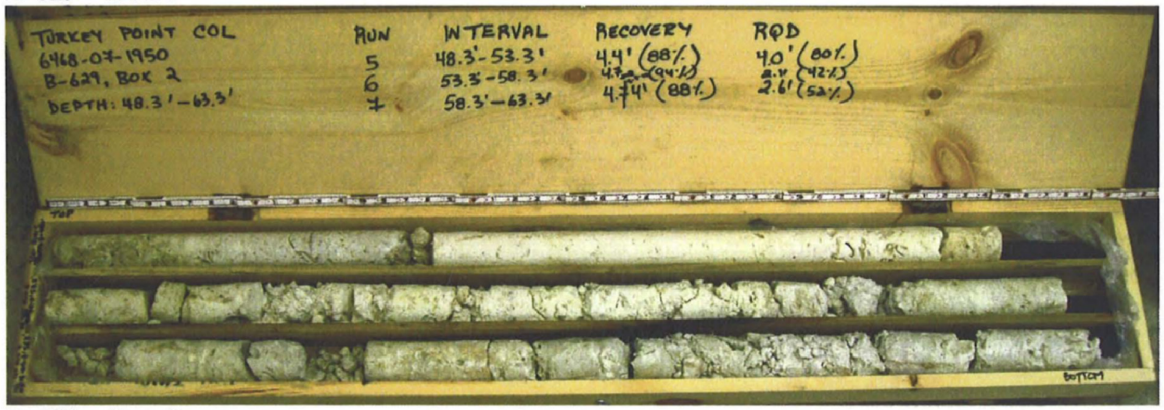
TOTAL DEPTH: 100.3 ft	CASING DEPTH: 4" to 35.0'		HAMMER (ID): 140 lb. Auto (MEC-03)
DATE STARTED: 4/6/08	COMPLETED: 4/7/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

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 @ 34.7 ft
-35.8	34.7	3.6	1:25 1:30 1:16 0:52/0.6	(3.6) 100%	(2.8) 78%	RUN-1	(13.3) 98%	(10.6) 78%		LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation) *(continued)* 34.7ft: white (10YR8/1), hard, indurated, fossiliferous, strong HCl reaction, trace vugs
-39.4	38.3	5.0	0:56 1:06 1:09 1:07 0:57	(4.9) 98%	(4.2) 84%	RUN-2				38.3ft: recrystallized calcite, coralline
-44.4	43.3	3.7	1:05 1:02 1:04 1:27/0.7	(3.5) 95%	(2.3) 62%	RUN-3				43.3ft: white (10YR8/1) to 46.3ft then gray (10YR6/1), few vugs
-48.1	47.0	1.3	0:17/0.3	(1.3) 100%	(1.3) 100%	RUN-4				-49.4 47.0ft: gray (10Y6/1) to 48.3ft 48.3
-49.4	48.3	5.0	1:41 1:11 0:52 1:48 1:07 0:52	(4.4) 88%	(4.0) 80%	RUN-5	(43.5) 84%	(23.2) 45%		LIMESTONE, boundstone, white (10YR8/1), medium hard to hard, indurated, fossiliferous, trace vugs, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)
-54.4	53.3	5.0	0:22 0:16 0:11 0:17 0:36	(4.7) 94%	(2.1) 42%	RUN-6				53.3ft: white (2.5Y8/1), medium hard, moderately indurated, little sand, few to little shell molds
-59.4	58.3	5.0	0:30 1:24 0:59 1:00 1:11	(4.4) 88%	(2.6) 52%	RUN-7				58.3ft: white (10YR8/1), soft to medium hard, moderately indurated
-64.4	63.3	5.0	0:12 0:21 0:31 0:52 0:43	(2.8) 56%	(0.6) 12%	RUN-8				63.3ft: moderately indurated to indurated
-69.4	68.3	5.0	0:38 2:01 0:59 2:06 1:37	(4.2) 84%	(1.6) 32%	RUN-9				
-74.4	73.3	5.0	1:26 1:39 0:32 0:27 1:35	(3.3) 66%	(1.5) 30%	RUN-10				73.3ft: white (2.5Y8/1), to light gray (2.5Y7/1)
-79.4	78.3	5.0	1:10 1:46 1:19 0:51 0:53	(5.0) 100%	(2.7) 54%	RUN-11				78.3ft: medium hard to moderately hard, moderately indurated to indurated, trace shell molds
-84.4	83.3	5.0	0:55 0:54 0:20 0:47 1:15	(4.5) 90%	(1.5) 30%	RUN-12				83.3ft: white (2.5Y8/1), hard, indurated, few shell molds and casts
-89.4	88.3	5.0	1:35 1:55 1:50 0:56 0:61	(5.0) 100%	(3.5) 70%	RUN-13				88.3ft: white (10YR8/1), moderately hard
-94.4	93.3	5.0	1:17 0:37 0:19 0:27 0:08	(3.2) 64%	(1.4) 28%	RUN-14				93.3ft: soft to medium hard, moderately indurated,
-99.4	98.3	2.0	0:20 0:33	(2.0) 100%	(1.7) 85%	RUN-15				98.3ft: medium hard to hard
-101.4	100.3									-101.4 100.3 Coring Terminated at Elevation -101.4

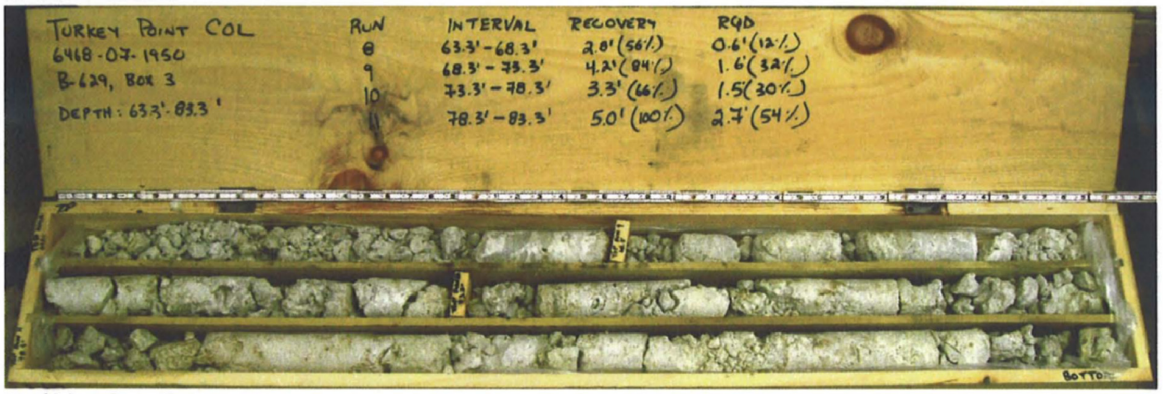
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5/30/08



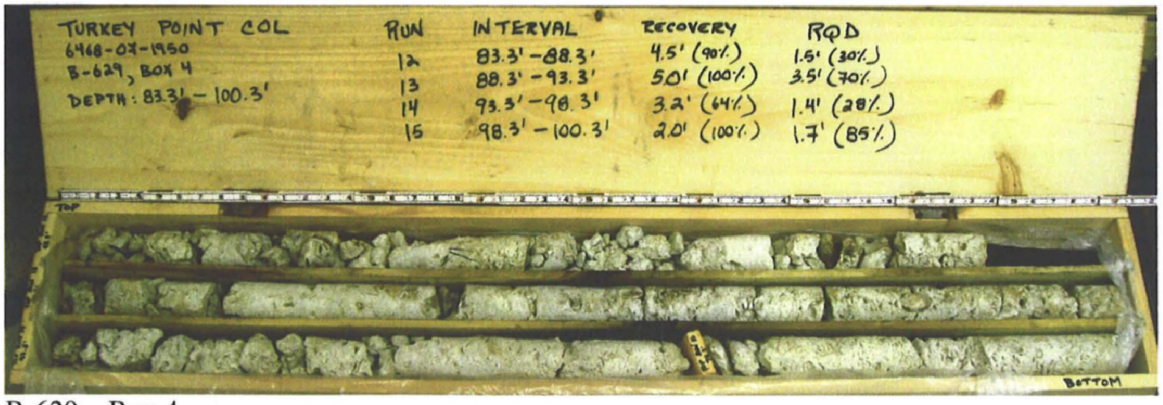
B-629 – Box 1



B-629 – Box 2



B-629 – Box 3



B-629 – Box 4

MACTEC

GEOTECHNICAL BORING LOG

Prepared By [illegible] Date 8-19-02

Checked By SSZ Date 8/19/08

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Woodham
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-630	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core/UD	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,872 US ft (NAD83/90)	EASTING: 876,462 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 294.0 ft	BORING DIAMETER: 6" to 108.8', 5" to 294.0'	CASING DEPTH: 4" to 26.0', 6" to 108.8'	HAMMER (ID):140 lb. Auto (MEC-05)
DATE STARTED: 4/9/08	COMPLETED: 4/29/08	CORE SIZE: HQ3	BITS USED: 4 7/8" & 3 7/8" Roller Cones

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO	MOI	LOG	SOIL AND ROCK DESCRIPTION
-1.5					Ground Surface				-1.5 / 0.0
-1.5	0.0	WOR	WOR	WOR	WOR 0	630-1			MUCK; no recovery
-4.7	3.2								-4.5 / 3.0
-6.7	5.2	8	11	9	20	630-2			LIMESTONE, boundstone, pale yellow (5Y8/2), very soft, wet, strong HCl reaction, few fines, oolitic (Miami Formation) 5.2ft: soft
-9.4	7.9	8	10	12	22	630-3			
-11.5	10.0	6	6	5	11	630-4			7.9ft: very soft
-14.3	12.8	5	5	4	9	630-5			
-19.3	17.8	11	13	9	22	630-6			12.8ft: soft, fossiliferous
-24.3	22.8	5	4	7	11	630-7			17.8ft: very soft
-29.7	28.2	5	8	5	13	630-8			22.8ft: trace fines
-30.7	29.2	50/0.4			50/0.4	630-9			-27.5 / 26.0
-33.9	32.4					RUN-1			LIMESTONE, boundstone, pale yellow (5Y8/2), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) 29.2ft: Switch sampling method to coring 29.6ft: white (2.5YR8/1), hard, indurated, fossiliferous, strong HCl reaction, coralline, trace shell molds, few vugs 32.4ft: very hard 33.4ft: hard, recrystallized calcite
-34.9	33.4					RUN-2			
-39.9	38.4					RUN-3			
-44.9	43.4					RUN-4			38.4ft: white (10YR8/1)
-49.9	48.4					RUN-5			43.4ft: white (10YR8/1) to 45.1ft then gray (N5/) to 47.9ft
-54.9	53.4					RUN-6			-49.4 / 47.9 LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, fossiliferous, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)
-59.9	58.4					RUN-7			53.4ft: white (10YR8/1)
-64.9	63.4					RUN-8			58.4ft: trace coarse grained sand
-69.9	68.4					RUN-9			
-74.9	73.4					RUN-10			
						RUN-11			

SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 8/19/08

MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Woodham
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-630	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core/UD	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,872 US ft (NAD83/90)	EASTING: 876,462 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 294.0 ft	BORING DIAMETER: 6" to 108.8', 5" to 294.0'	CASING DEPTH: 4" to 26.0', 6" to 108.8'	HAMMER (ID): 140 lb. Auto (MEC-05)
DATE STARTED: 4/9/08	COMPLETED: 4/29/08	CORE SIZE: HQ3	BITS USED: 4 7/8" & 3 7/8" Roller Cones

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-76.3					Continued from previous page				
-79.9	78.4					RUN-12			LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, fossiliferous, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation) *(continued)*
-84.9	83.4					RUN-13			83.4ft: moderately hard
-89.9	88.4					RUN-14			88.4 to 90.6ft: massive
-94.9	93.4					RUN-15			93.4ft: sandy, few vugs
-99.9	98.4					RUN-16			98.4ft: moderately hard, little to some shell molds and casts
-104.9	103.4					RUN-17			103.4ft: hard
-109.9	108.4					RUN-18			
-114.9	113.4					RUN-19			-116.5 115.0
-119.9	118.4					630-UD-1			115.0ft: Possible Silty SAND (SM); no recovery (Tamiami Formation)
-131.0	129.5					630-UD-2			118.4ft: Switch sampling method to Pitcher barrel 118.4ft: coarse sand with limestone fragments - recovery 1.4ft
-134.0	132.5					630-UD-3			129.5ft: Silty SAND (SM), light yellowish brown (2.5YR6/3), fine grained sand - recovery 1.2ft
-140.0	138.5					630-UD-4			132.5ft: Silty SAND (SM), greenish gray (10Y6/1), fine grained sand - recovery 1.2ft
-150.0	148.5					630-UD-5			138.6ft: Silty SAND (SM), greenish gray (10Y6/1), layers of cemented sand - recovery 2.0ft 148.5ft: no recovery

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 8/19/08

MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Woodham
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-630	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core/UD	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,872 US ft (NAD83/90)	EASTING: 876,462 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 294.0 ft	BORING DIAMETER: 6" to 108.8', 5" to 294.0'	CASING DEPTH: 4" to 26.0', 6" to 108.8'	HAMMER (ID):140 lb. Auto (MEC-05)
DATE STARTED: 4/9/08	COMPLETED: 4/29/08	CORE SIZE: HQ3	BITS USED: 4 7/8" & 3 7/8" Roller Cones

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-151.1					Continued from previous page				
-153.0	151.5					630-UD-6			115.0ft: Possible Silty SAND (SM); no recovery (Tamiami Formation) *(continued)* 151.5ft: Switch sampling method to Shelby tube 151.5ft: no recovery
-160.0	158.5					630-UD-7			158.5ft: Switch sampling method to Pitcher barrel 158.5ft: no recovery
-163.0	161.5					630-UD-8			161.5ft: Switch sampling method to Shelby Tube
-165.0	163.5					630-UD-9			161.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.1ft 163.5ft: no recovery
-170.0	168.5					630-UD-10			168.5ft: Switch sampling method to Osterberg Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.1ft
-173.0	171.5					630-UD-11			171.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 0.7ft
-180.0	178.5					630-UD-12			-180.0 178.5 178.5ft: Sandy SILT (ML), Greenish gray (10Y6/1), fine to medium grained sand - recovery 1.5ft
-190.0	188.5					630-UD-13			-190.0 188.5 188.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.0ft
-193.0	191.5					630-UD-14			191.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.8ft
-204.5	203.0					630-UD-15			203.0ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.5ft
-210.0	208.5					630-UD-16			208.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 1.9ft
-220.0	218.5								-216.5 215.0 215.0ft: Hawthorn Group
-223.0	221.5					630-UD-17			218.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 0.3ft
-225.5	224.0					630-UD-18			221.5ft: Silty SAND (SM), Greenish gray (10Y6/1), fine grained sand - recovery 0.6ft

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 8/19/08

MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Woodham
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-630	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core/UD	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,872 US ft (NAD83/90)	EASTING: 876,462 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 294.0 ft	BORING DIAMETER: 6" to 108.8', 5" to 294.0'	CASING DEPTH: 4" to 26.0', 6" to 108.8'	HAMMER (ID):140 lb. Auto (MEC-05)
DATE STARTED: 4/9/08	COMPLETED: 4/29/08	CORE SIZE: HQ3	BITS USED: 4 7/8" & 3 7/8" Roller Cones

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-225.9					Continued from previous page				
-227.0	225.5	9	8	19	●27	630-10			215.0ft: Hawthorn Group *(continued)*
-228.5	227.0	9	50/0.5			630-11			224.5ft: Switch sampling method to SPT
-230.0	228.5	48	50/0.3		59/1.0 ● 98/0.8	630-12			Silty SAND (SM), light greenish gray (10Y7/1), medium dense, moist, fine grained sand, few fines, strong HCl reaction
						630-UD-19			225.5ft: very dense 228.5ft: Switch sampling method to Pitcher barrel Silty SAND (SM), greenish gray (5GY5/1), fine grained sand - recovery 1.9ft 231.0ft: dark greenish gray (10Y4/1)
-240.0	238.5								-240.0 — 238.5
						630-UD-20			238.5ft: Switch sampling method to Osterberg 238.5ft: SAND with silt (SP-SM), greenish gray (10Y6/1), fine grained sand - recovery 0.4ft
-243.0	241.5					630-UD-21			241.5ft: Switch sampling method to Pitcher barrel 241.5ft: SAND with silt (SP-SM), light greenish gray (10Y7/1), fine grained sand - recovery 1.4ft
-250.0	248.5					630-UD-22			248.5ft: SAND with silt (SP-SM), light greenish gray (10Y6/1), fine grained sand - recovery 2.5ft
-260.0	258.5								-260.0 — 258.5
						630-UD-23			258.5ft: Silty SAND (SM), dark greenish gray (10Y4/1), fine grained sand - recovery 2.5
-270.0	268.5					630-UD-24			268.5: Silty SAND (SM), dark greenish gray (5GY4/1), fine grained sand - recovery 2.5ft
-280.0	278.5					630-UD-25			278.5ft: Silty SAND (SM), dark greenish gray (5GY4/1), fine grained sand - recovery 2.5
-290.0	288.5					630-UD-26			288.5ft: Silty SAND (SM), dark greenish gray (10Y4/1), fine grained sand - recovery 0.7ft
-293.0	291.5					630-UD-27			291.5ft: Silty SAND (SM), dark greenish gray (10Y4/1), fine grained sand - recovery 0.8
									-295.5 — 294.0
									Boring Terminated at Elevation -295.5 ft

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL.GDT 8/19/08

MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Woodham
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-630	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core/UD	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,872 US ft (NAD83/90)	EASTING: 876,462 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 294.0 ft	CASING DEPTH: 4" to 26.0', 6" to 108.8'		HAMMER (ID): 140 lb. Auto (MEC-05)
DATE STARTED: 4/9/08	COMPLETED: 4/29/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

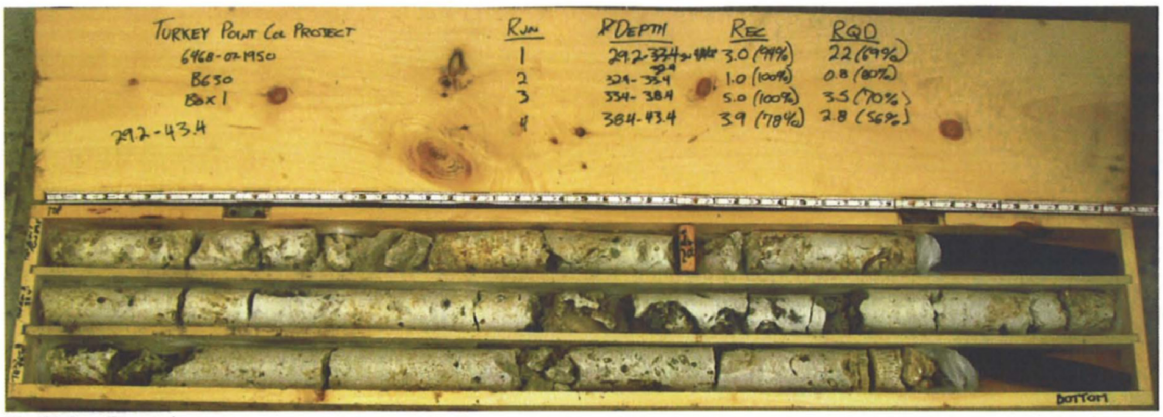
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 29.2 ft
-30.7	29.2	3.2	0:16 0:56 0:55/1.2	(3.0) 94%	(2.2) 69%	RUN-1	(17.4) 93%	(11.8) 63%		LIMESTONE, boundstone, pale yellow (5Y8/2), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) *(continued)* 29.6ft: white (2.5YR8/1), hard, indurated, fossiliferous, strong HCl reaction, coralline, trace shell molds, few vugs
-33.9	32.4									
-34.9	33.4	1.0	0:49	(1.0) 100%	(0.8) 80%	RUN-2				
		5.0	1:17 1:30 1:05 1:24 2:00	(5.0) 100%	(3.5) 70%	RUN-3				32.4ft: very hard 33.4ft: hard, recrystallized calcite
-39.9	38.4									
		5.0	1:29 1:50 0:49 1:27 1:04	(3.9) 78%	(2.8) 56%	RUN-4				38.4ft: white (10YR8/1)
-44.9	43.4									
		5.0	1:52 1:09 1:08 1:24 2:10	(4.7) 94%	(2.7) 54%	RUN-5				43.4ft: white (10YR8/1) to 45.1ft then gray (N5/) to 47.9ft
-49.9	48.4									-49.4 47.9
		5.0	0:55 1:20 1:52 1:48 1:08	(5.0) 100%	(4.2) 84%	RUN-6	(48.0) 72%	(29.8) 44%		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, fossiliferous, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation)
-54.9	53.4									
		5.0	1:01 1:06 0:35 0:32 0:22	(4.8) 96%	(4.0) 80%	RUN-7				53.4ft: white (10YR8/1)
-59.9	58.4									
		5.0	0:27 0:20 0:32 0:40 0:26	(3.8) 76%	(2.2) 44%	RUN-8				58.4ft: trace coarse grained sand
-64.9	63.4									
		5.0	0:41 0:39 0:52 1:05 0:52	(2.1) 42%	(0.0) 0%	RUN-9				
-69.9	68.4									
		5.0	0:18 0:44 0:45 0:33 0:34	(3.7) 74%	(1.5) 30%	RUN-10				
-74.9	73.4									
		5.0	0:47 0:49 1:13 0:57 0:25	(3.6) 72%	(2.2) 44%	RUN-11				
-79.9	78.4									
		5.0	0:41 0:39 0:26 0:21 0:28	(2.4) 48%	(1.1) 22%	RUN-12				
-84.9	83.4									
		5.0	0:50 0:23 0:11 0:20 0:23	(1.4) 28%	(0.4) 8%	RUN-13				83.4ft: moderately hard
-89.9	88.4									
		5.0	0:48 0:50 0:40 0:32 0:38	(3.6) 72%	(2.0) 40%	RUN-14				88.4 to 90.6ft: massive
-94.9	93.4									
		5.0	0:28 0:34 0:39 0:32 0:38	(5.0) 100%	(4.2) 84%	RUN-15				93.4ft: sandy, few vugs
-99.9	98.4									
		5.0	0:30 0:19 0:32 0:25 0:25	(3.0) 60%	(0.8) 16%	RUN-16				98.4ft: moderately hard, little to some shell molds and casts
-104.9	103.4									

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

MACTEC

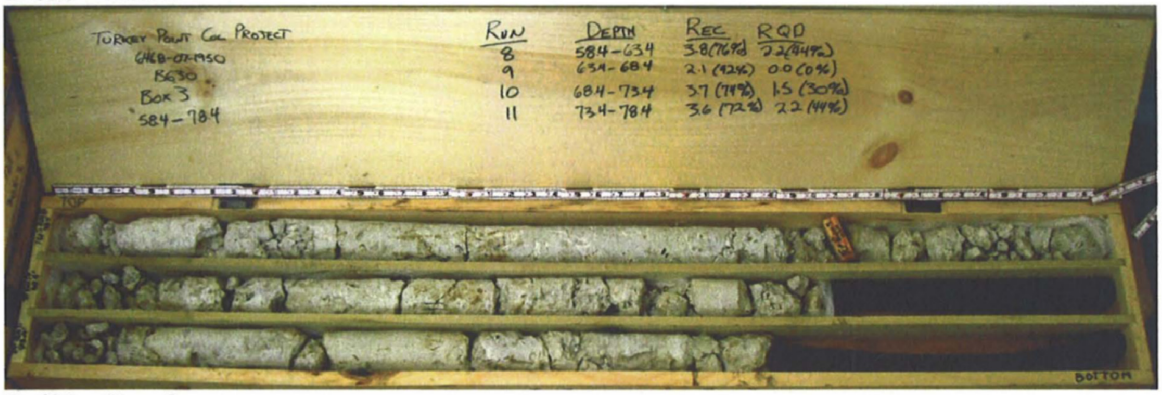
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Woodham
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550X (ATL)	DRILLER: R. Landeros/ N. Rodriguez	GROUND WATER (ft)
BORING NO.: B-630	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core/UD	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 396,872 US ft (NAD83/90)	EASTING: 876,462 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 294.0 ft	CASING DEPTH: 4" to 26.0', 6" to 108.8'		HAMMER (ID): 140 lb. Auto (MEC-05)
DATE STARTED: 4/9/08	COMPLETED: 4/29/08	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
										Continued from previous page
-109.9	108.4	5.0	0:23 0:23 0:25 0:26 0:23	(5.0) 100%	(4.4) 88%	RUN-17				103.4ft: hard LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, fossiliferous, trace shell molds, strong HCl reaction (Lower Fort Thompson Formation) *(continued)*
-114.9	113.4	5.0	0:21 0:24 0:47 0:33 0:53	(3.9) 78%	(2.2) 44%	RUN-18				
-119.9	118.4	5.0	0:25 0:22 0:15 0:15 0:18	(0.5) 10%	(0.4) 8%	RUN-19	(0.0) 0%	(NA)		-116.5 115.0 115.0ft: Possible Silty SAND (SM); no recovery (Tamiami Formation) -119.9 118.4
										Coring Terminated at Elevation -119.9

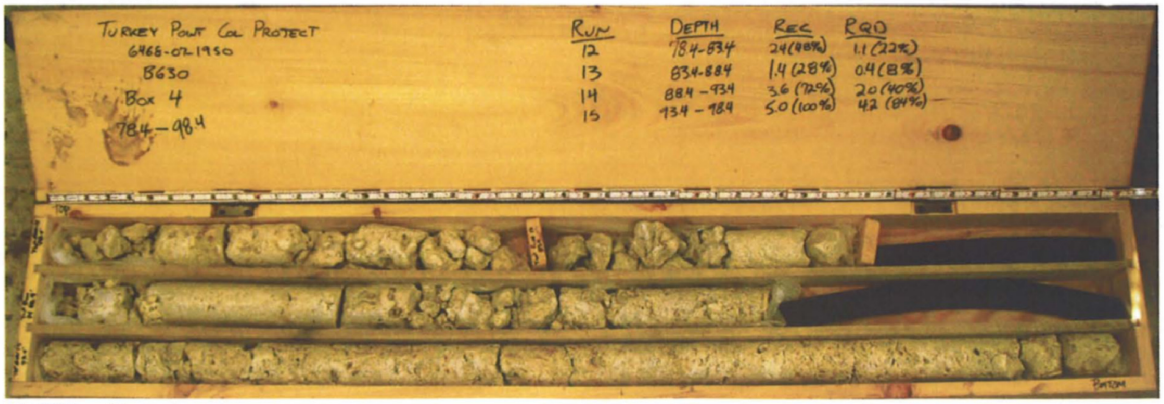


B-630 – Box 1

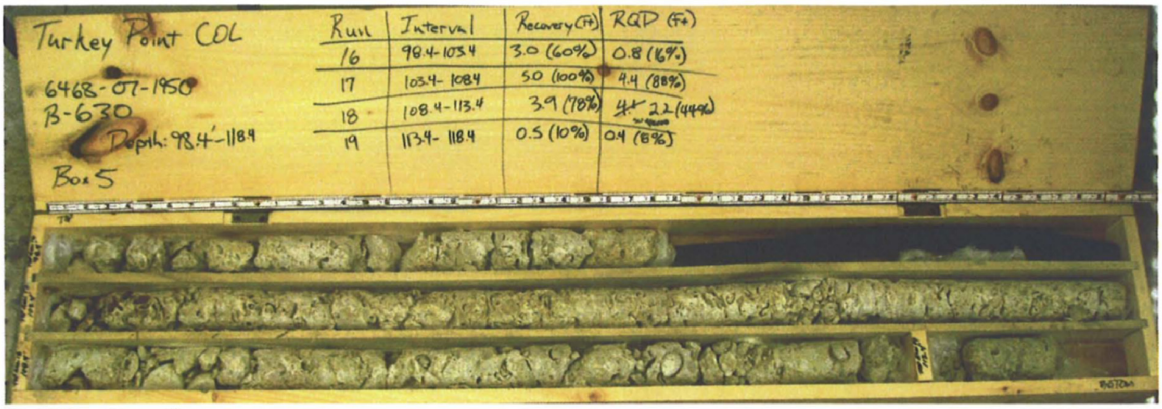
B-630 – Box 2



B-630 – Box 3



B-630 – Box 4


Turkey Point COL
6468-07-1950
B-630
Depth: 98.4'-118.4
Box 5
Run | Interval | Recovery (ft) | RQD (ft)
16 | 98.4-103.4 | 3.0 (60%) | 0.8 (16%)
17 | 103.4-108.4 | 5.0 (100%) | 4.4 (88%)
18 | 108.4-113.4 | 3.9 (78%) | 2.2 (44%)
19 | 113.4-118.4 | 0.5 (10%) | 0.4 (8%)

B-630 – Box 5

MACTEC

GEOTECHNICAL BORING LOG

Prepared By [illegible] Date 5-30-08
Checked By [illegible] 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-631	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.2 ft (NAVD88)	NORTHING: 396,655 US ft (NAD83/90)	EASTING: 876,514 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.8 ft	BORING DIAMETER: 4" to 33.5', 3" to 100.8'	CASING DEPTH: 4" to 33.5'	HAMMER (ID):140 lb. Auto (M06)
DATE STARTED: 4/30/08	COMPLETED: 5/2/08	CORE SIZE: HQ3	BITS USED: 2 7/8" Roller Cone

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT (0 20 40 60 80 100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-1.2					Ground Surface				
-1.2	0.0	WOH	WOH	WOH	WOH 0	631-1			-1.2 0.0 MUCK, very dark gray (2.5Y3/1), wet, very soft, mostly organic, strong HCl reaction
-3.8	2.6	WOH	1	6	7	631-2A&B			-4.8 3.6 LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, little to some fine grained sand, strong HCl reaction, oolitic (Miami Formation)
-6.2	5.0	5	10	9	19	631-3			SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA
-8.6	7.4	6	7	6	13	631-4			
-11.2	10.0	3	9	5	14	631-5			
-13.6	12.4	42	25	12	37	631-6			12.4ft: medium hard
-16.1	14.9	14	11	8	19	631-7			14.9ft: very soft, trace fine grained sand
-23.0	21.8	7	7	9	16	631-8			-26.2 25.0 LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, trace fine grained sand, strong HCl reaction (Upper Fort Thompson Formation)
-28.0	26.8	41	40	25	65	631-9			
-33.0	31.8	11	14	16	30	631-10			31.8ft: soft
-35.5	34.3	17	40	33	73	631-11			34.3ft: hard
-37.0	35.8					RUN-1			35.8ft: Switched sample method to coring 35.8ft: (2.5Y8/1), hard, indurated, strong HCl reaction, fossiliferous
-42.0	40.8					RUN-2			40.8ft: recrystallized calcite, coralline
-47.0	45.8					RUN-3			45.8ft: light gray (10YR7/1) to 48.4ft, moderately hard to hard, moderately indurated to indurated
-49.6									48.4 LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, little vugs, fossiliferous, trace shell molds and casts, strong HCl reaction (Lower Fort Thompson Formation)
-52.0	50.8					RUN-4			50.8ft: medium hard to moderately hard, friable to moderately indurated, few vugs
-57.0	55.8					RUN-5			55.8ft: moderately hard to hard, moderately indurated to indurated
-62.0	60.8					RUN-6			60.8ft: medium hard to hard, friable to moderately indurated 65.3ft: 0.3ft-thick sand lense
-67.0	65.8					RUN-7			65.8ft: medium hard to moderately hard, little to some fine grained sand
-72.0	70.8					RUN-8			

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