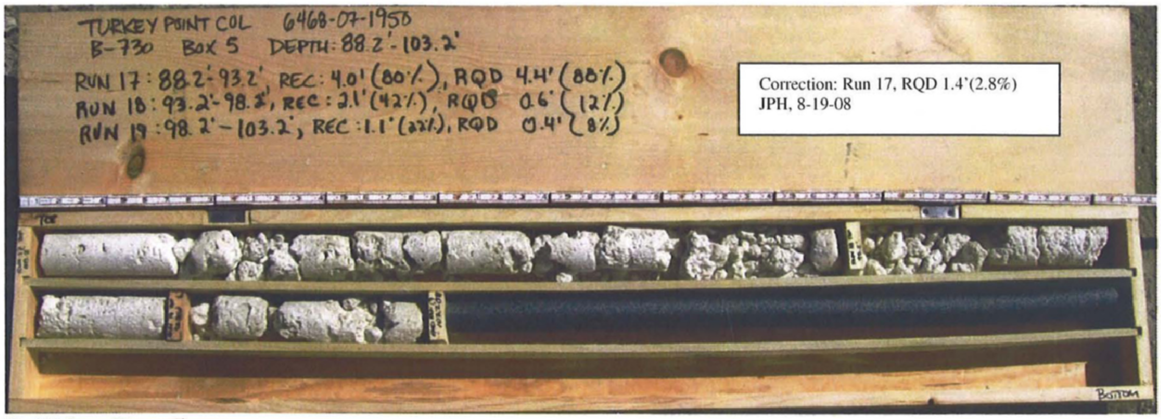

TURKEY POINT COL 6468-07-1950
B-730 BOX 5 DEPTH: 88.2'-103.2'
RUN 17: 88.2'-93.2', REC: 4.0' (80%), RQD 4.4' (88%)
RUN 18: 93.2'-98.2', REC: 2.1' (42%), RQD 0.6' (12%)
RUN 19: 98.2'-103.2', REC: 1.1' (22%), RQD 0.4' (8%)
Correction: Run 17, RQD 1.4'(2.8%)
JPH, 8-19-08
BOTTOM

B-730 – Box 5

MACTEC

GEOTECHNICAL BORING LOG
Prepared By [signature] Date 7-10-08
Checked By [signature] Date 7-10-08

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	BORING DIAMETER: 4" to 16.0', 3" to 103.2'	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	BITS USED: 2 15/16" Tricone

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	BLOW COUNT 0.5ft	BLOW COUNT 0.5ft	BLOWS PER FOOT (0–100)	SAMP. NO.
-1.5	0.0				Ground Surface	
-1.5	0.0	WOH	WOH	WOH	0 (WOH)	731-1
-4.0	2.5	3	7	12	19	731-2
-6.5	5.0	7	5	7	12	731-3
-9.0	7.5	10	7	5	12	731-4
-11.5	10.0	13	11	6	17	731-5
-14.0	12.5	11	11	7	18	731-6
-16.5	15.0	14	50/0.3		64/0.8	731-7
-17.5	16.0					RUN-1
-19.7	18.2					RUN-2
-24.7	23.2					RUN-3
-29.7	28.2					RUN-4
-34.7	33.2					RUN-5
-39.7	38.2					RUN-6
-44.7	43.2					RUN-7
-49.7	48.2					RUN-8
-54.7	53.2					RUN-9
-59.7	58.2					RUN-10
-64.7	63.2					RUN-11
-69.7	68.2					RUN-12
-74.7	73.2					RUN-13

SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA

SOIL AND ROCK DESCRIPTION

-1.5 — 0.0

MUCK, light gray (10YR7/2), to very dark gray (10YR3/1), very soft, wet, mostly organic, strong HCl reaction

-4.0 — 2.5

LIMESTONE, boundstone, white (2.5YR8/1), very soft, wet, trace fine grained sand, strong HCl reaction, oolitic (Miami Formation)

7.5ft: white (10YR8/1)

12.5ft: white (2.5YR8/1)

15.0ft: hard
16.0ft: Switch sampling method to coring
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
18.2ft: soft to hard, friable to indurated

-26.5 — 25.0

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)
28.2ft: hard, indurated

43.2ft: white (10YR8/1) to 46.2ft, then gray (10YR6/1) to 48.2ft, trace vugs

-49.7 — 48.2

LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)

53.2ft: white (10YR8/1), moderately indurated to indurated, trace fine grained sand

58.2ft: moderately hard to hard
58.2 to 68.2ft: possible interbedded sand layers; based on recoveries and drilling rates

63.2ft: hard, indurated, no vugs

68.2ft: white (10YR8/1), to light gray (10YR7/2), few vugs

73.2ft: white (10YR8/1), trace vugs, trace fine grained sand

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 7/10/08

MACTEC

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	BORING DIAMETER: 4" to 16.0', 3" to 103.2'	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	BITS USED: 2 15/16" Tricone

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				
									LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) *(continued)*
-79.7	78.2					RUN-14			78.2ft: shell molds and casts
-84.7	83.2					RUN-15			
-89.7	88.2					RUN-16			88.2ft: moderately hard, moderately indurated
-94.7	93.2					RUN-17			93.2ft: hard, indurated, possible interbedded sand layers; based on recovery and drilling rates
-99.7	98.2					RUN-18			98.2ft: moderately hard to hard, moderately indurated to indurated, little shell molds and casts
-104.7	103.2								Boring Terminated at Elevation -104.7 ft

TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 7/10/08

MACTEC

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)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 16.0 ft
-17.5 -19.7	16.0 18.2	2.2	2:08 1:03	(2.2) 100%	(1.6) 73%	RUN-1	(3.7) 41%	(1.6) 18%		LIMESTONE, boundstone, white (2.5YR8/1), very soft, wet, trace fine grained sand, strong HCl reaction, oolitic (Miami Formation) *(continued)* 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 18.2ft: soft to hard, friable to indurated
-24.7	23.2	5.0	0:12/0.2 1:14 0:38 0:31 0:29 0:44	(1.0) 20%	(0.0) 0%	RUN-2				
-29.7	28.2	5.0	1:17 0:29 1:47 2:14 2:16	(3.7) 74%	(1.3) 26%	RUN-3	(21.1) 91%	(14.2) 61%		-26.5 25.0 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) 96%	(4.1) 82%	RUN-4				28.2ft: hard, indurated
-39.7	38.2	5.0	1:25 1:51 1:46 0:51 0:27	(3.8) 76%	(2.4) 48%	RUN-5				
-44.7	43.2	5.0	1:05 2:36 2:44 2:07 2:31	(4.3) 86%	(1.8) 36%	RUN-6				
-49.7	48.2	5.0	1:42 1:00 1:14 1:42 2:04	(5.0) 100%	(4.6) 92%	RUN-7				43.2ft: white (10YR8/1) to 46.2ft, then gray (10YR6/1) to 48.2ft, trace vugs -49.7 48.2
-54.7	53.2	5.0	1:54 1:31 1:27 1:18 1:21	(4.9) 98%	(4.9) 98%	RUN-8	(40.3) 73%	(24.2) 44%		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) 92%	(3.5) 70%	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) 54%	(1.3) 26%	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) 26%	(0.0) 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) 100%	(4.6) 92%	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) 96%	(3.4) 68%	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) 74%	(1.0) 20%	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) 86%	(1.7) 34%	RUN-15				
		5.0	2:05 1:23	(4.0) 80%	(2.1) 42%	RUN-16				88.2ft: moderately hard, moderately indurated

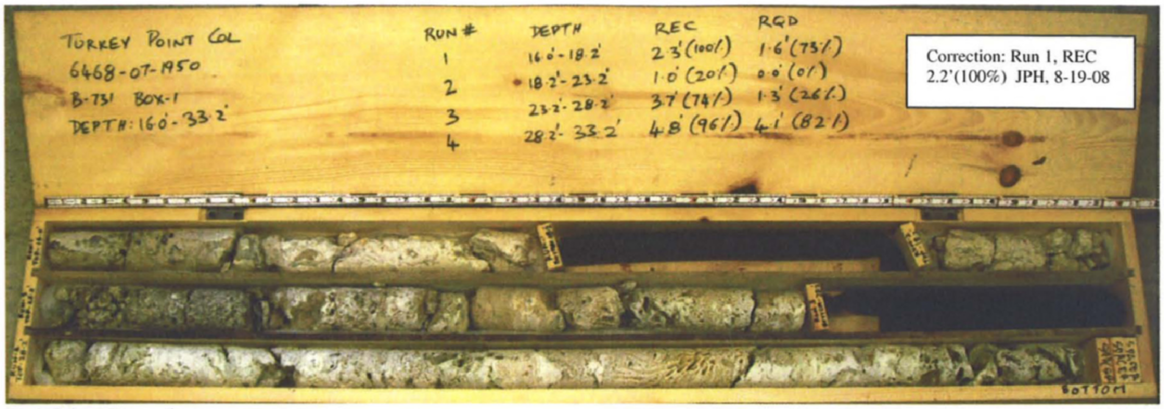
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 7/10/08

MACTEC

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)

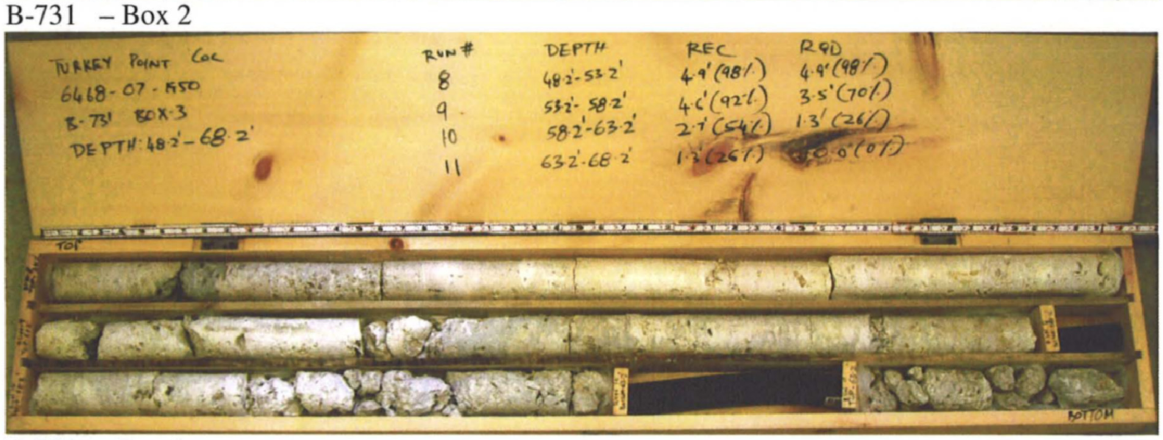
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Continued from previous page
-94.7	93.2		0:47 0:51 0:54							LIMESTONE, boundstone, white (10YR8/1), to light gray (10YR7/2), hard, indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) *(continued)*
-99.7	98.2	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
-104.7	103.2	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.GPJ TURKEY POINT COL.GDT 7/10/08

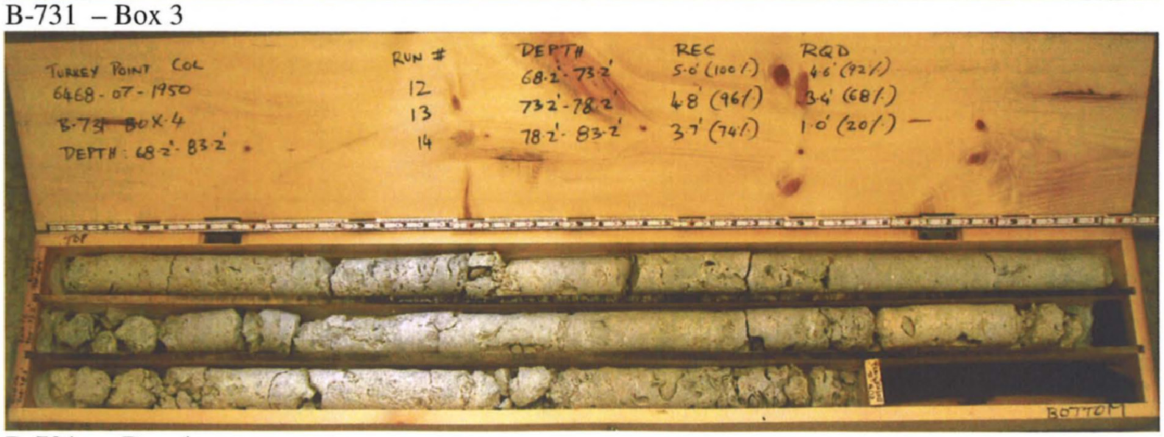


B-731 – Box 1

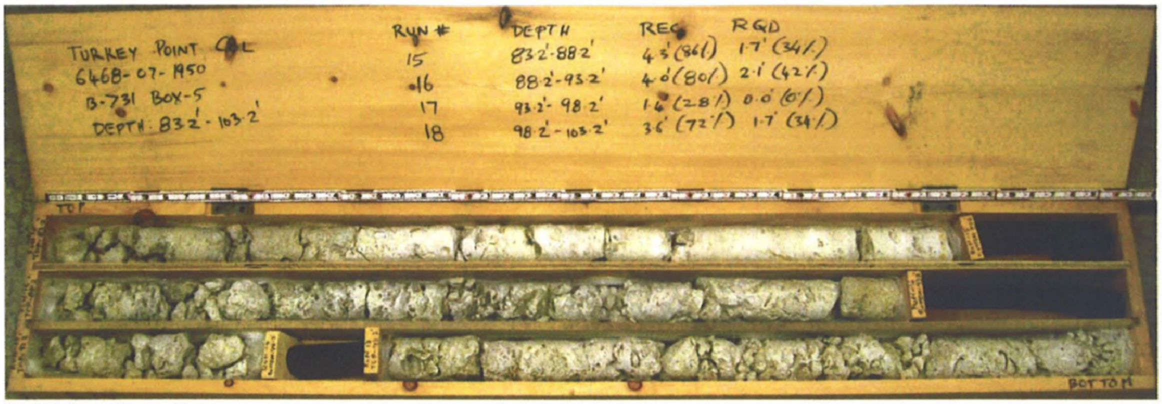
B-731 – Box 2



B-731 – Box 3



B-731 – Box 4


TURKEY POINT COL
6468-07-1950
B-731 BOX-5
DEPTH: 83.2' - 103.2'
RUN # DEPTH REC RQD
15 83.2'-88.2' 4.3'(86%) 1.7'(34%)
16 88.2'-93.2' 4.0'(80%) 2.1'(42%)
17 93.2'-98.2' 1.4'(28%) 0.0'(0%)
18 98.2'-103.2' 3.6'(72%) 1.7'(34%)
TOP
BOTTOM

B-731 – Box 5

MACTEC

GEOTECHNICAL BORING LOG

Prepared By ~~ Date 5-30-08

Checked By ~~ Date 5-30-08

SHEET 1 OF 2

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-732	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,412 US ft (NAD83/90)	EASTING: 875,682 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 104.5 ft	BORING DIAMETER: 4" to 104.5'	CASING DEPTH: 4" to 24.5'	HAMMER (ID): 140 lb. Auto (07)
DATE STARTED: 5/14/08	COMPLETED: 5/18/08	CORE SIZE: HQ3	BITS USED: 3 7/8" Tricone

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	BLOW COUNT 0.5ft	BLOW COUNT 0.5ft	BLOWS PER FOOT (0–100)	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
-1.0					Ground Surface				-1.0 0.0
-1.0	0.0	WOH	WOH	WOH	0 WOH	732-1			MUCK, light gray (5Y7/2), to light brownish gray (10YR6/2), very soft, moist to wet, strong HCl reaction, some organics
-3.5	2.5	WOH	WOH	2	2	732-2A&B			2.5ft: very dark grayish brown (10YR3/2)
-6.0	5.0	7	9	6	15	732-3			-4.5 3.5 LIMESTONE, boundstone, pale yellow (5Y8/2), very soft, friable, wet, strong HCl reaction, fragmented, oolitic (Miami Formation)
-8.5	7.5	40	14	5	19	732-4			
-11.0	10.0	3	5	6	11	732-5			10.0ft: white (5Y8/1)
-13.5	12.5	9	13	16	29	732-6			12.5ft: soft
-16.0	15.0	7	10	17	27	732-7			
-19.0	18.0	7	18	15	33	732-8			18.0ft: medium hard
-24.0	23.0	4	9	50/0.5	59/1.0	732-9			23.0ft: moderately hard
-25.5	24.5					RUN-1			-25.5 24.5 24.5ft: Switch sampling method to coring LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, coralline, some shell molds and casts, little vugs, recrystallized calcite (Upper Fort Thompson Formation)
-30.5	29.5					RUN-2			29.5ft: few vugs, loss of circulation
-35.5	34.5					RUN-3			35.0ft: return of circulation 37.5ft: loss of circulation
-40.5	39.5					RUN-4			
-45.5	44.5					RUN-5			44.5ft: white (5Y8/1) to 46.5ft, then gray (5Y6/1) to 48.0ft
-50.5	49.5					RUN-6			-49.0 48.0 LIMESTONE, boundstone, very pale brown (10YR8/2), to white (5Y8/1), hard, indurated, few vugs, fossiliferous, few to little gastropod shell molds and casts (Lower Fort Thompson Formation) 49.5ft: very pale brown (10YR8/2) to white (5Y8/2)
-55.5	54.5					RUN-7			54.5ft: white (5Y8/1)
-60.5	59.5					RUN-8			
-65.5	64.5					RUN-9			64.5 to 70.5ft: moderately hard, with possible interbedded sand layers
-70.5	69.5					RUN-10			70.5ft: hard, some sand
-75.5	74.5								

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: 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-732	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,412 US ft (NAD83/90)	EASTING: 875,682 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 104.5 ft	BORING DIAMETER: 4" to 104.5'	CASING DEPTH: 4" to 24.5'	HAMMER (ID):140 lb. Auto (07)
DATE STARTED: 5/14/08	COMPLETED: 5/18/08	CORE SIZE: HQ3	BITS USED: 3 7/8" Tricone

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
-75.8					Continued from previous page				
						RUN-11			74.5ft: moderately hard LIMESTONE, boundstone, very pale brown (10YR8/2), to white (5Y8/1), hard, indurated, few vugs, fossiliferous, few to little gastropod shell molds and casts (Lower Fort Thompson Formation) *(continued)*
-80.5	79.5					RUN-12			
-85.5	84.5					RUN-13			84.5ft: hard
-90.5	89.5					RUN-14			
									-93.0 ... 92.0
									92.0ft: no recovery, possible sand (SM) based on recovery and drilling rates
-95.5	94.5					RUN-15			
									-98.5 ... 97.5
									LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, mostly shell molds and casts
-100.5	99.5					RUN-16			
									-105.5 ... 104.5
									Boring Terminated at Elevation -105.5 ft

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: 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-732	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,412 US ft (NAD83/90)	EASTING: 875,682 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 104.5 ft	CASING DEPTH: 4" to 24.5'		HAMMER (ID): 140 lb. Auto (07)
DATE STARTED: 5/14/08	COMPLETED: 5/18/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

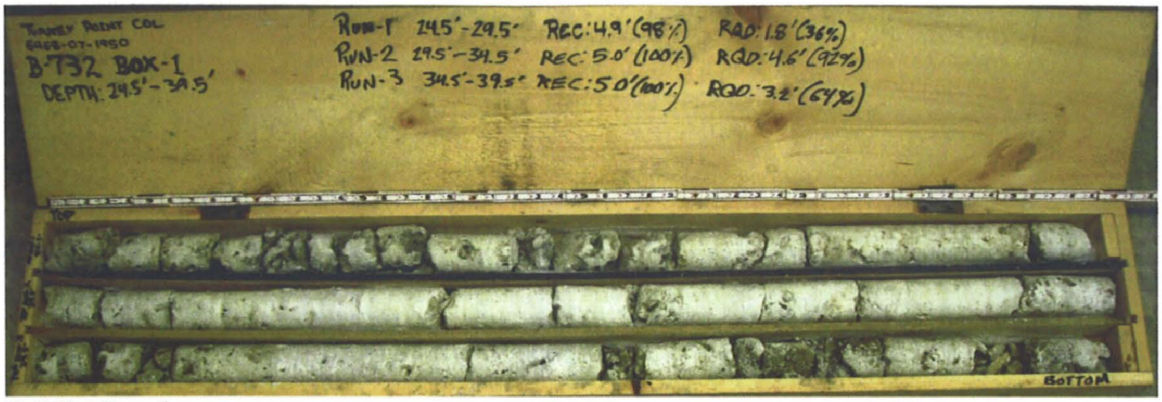
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN REC. (ft) %	RUN RQD (ft) %	SAMP. NO.	STRATA REC. (ft) %	STRATA RQD (ft) %	LOG	DESCRIPTION AND REMARKS
										Begin Coring @ 24.5 ft
-25.5 -30.5	24.5 29.5	5.0	2:54 2:50 5:13 6:38 10:21	(4.9) 98%	(1.8) 36%	RUN-1	(22.9) 97%	(16.7) 71%		-25.5 LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, coralline, some shell molds and casts, little vugs, recrystallized calcite (Upper Fort Thompson Formation) 24.5
-35.5	34.5	5.0	3:21 3:43 3:19 2:55 3:15	(5.0) 100%	(4.6) 92%	RUN-2				29.5ft: few vugs, loss of circulation
-40.5	39.5	5.0	2:19 2:31 2:15 1:43 3:22	(5.0) 100%	(3.2) 64%	RUN-3				35.0ft: return of circulation 37.5ft: loss of circulation
-45.5	44.5	5.0	3:10 2:57 2:25 2:37 2:55	(4.5) 90%	(4.5) 90%	RUN-4				
-50.5	49.5	5.0	1:53 1:01 1:37 2:25 2:25	(5.0) 100%	(3.8) 76%	RUN-5	(30.5) 69%	(9.0) 20%		44.5ft: white (5Y8/1) to 46.5ft, then gray (5Y6/1) to 48.0ft -49.0 48.0 LIMESTONE, boundstone, very pale brown (10YR8/2), to white (5Y8/1), hard, indurated, few vugs, fossiliferous, few to little gastropod shell molds and casts (Lower Fort Thompson Formation)
-55.5	54.5	5.0	2:21 1:50 1:59 1:45 2:27	(5.0) 100%	(3.5) 70%	RUN-6				49.5ft: very pale brown (10YR8/2) to white (5Y8/2)
-60.5	59.5	5.0	1:45 1:48 1:44 3:41 3:49	(3.0) 60%	(0.0) 0%	RUN-7				54.5ft: white (5Y8/1)
-65.5	64.5	5.0	1:27 1:05 1:11 1:14 1:51	(4.0) 80%	(2.5) 50%	RUN-8				
-70.5	69.5	5.0	0:23 0:23 1:45 0:55 0:11	(1.4) 28%	(0.0) 0%	RUN-9				64.5 to 70.5ft: moderately hard, with possible interbedded sand layers
-75.5	74.5	5.0	1:35 1:33 1:01 1:56 1:58	(2.8) 56%	(0.6) 12%	RUN-10				70.5ft: hard, some sand
-80.5	79.5	5.0	0:40 0:49 1:21 1:45 1:28	(3.9) 78%	(0.9) 18%	RUN-11				74.5ft: moderately hard
-85.5	84.5	5.0	1:05 1:04 0:58 0:28 0:12	(2.3) 46%	(0.0) 0%	RUN-12				
-90.5	89.5	5.0	1:21 1:35 1:33 2:25 2:59	(4.1) 82%	(0.3) 6%	RUN-13				84.5ft: hard
-95.5	94.5	5.0	1:12 0:54 0:49 0:13 0:13	(3.1) 62%	(0.0) 0%	RUN-14	(1.4) 25%	(0.0) 0%		-93.0 92.0 92.0ft: no recovery, possible sand (SM) based on recovery and drilling rates
-100.5	99.5	5.0	0:15 0:12 0:17 1:18 1:11	(2.8) 56%	(0.0) 0%	RUN-15	(5.5)	(0.0)		-98.5 97.5

MACTEC

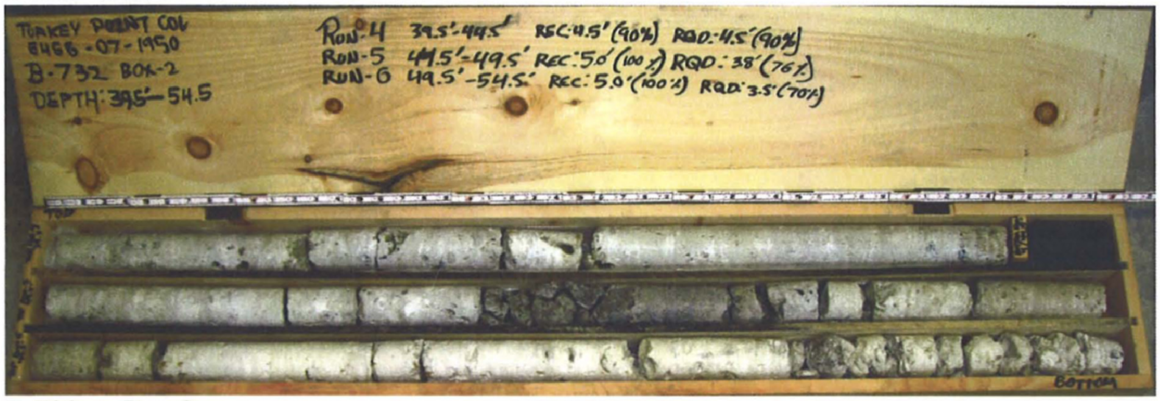
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: R. Clark	
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-750 (Miller)	DRILLER: G.Bilbrey/P.McKorkle/J.Tucker		GROUND WATER (ft)
BORING NO.: B-732	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core		0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,412 US ft (NAD83/90)	EASTING: 875,682 US ft (NAD83/90)		24 HR. NA
TOTAL DEPTH: 104.5 ft	CASING DEPTH: 4" to 24.5'		HAMMER (ID): 140 lb. Auto (07)	
DATE STARTED: 5/14/08	COMPLETED: 5/18/08	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
-105.5	104.5	5.0	0:32 0:42 0:36 0:23 0:42	(3.5) 70%	(0.0) 0%	RUN-16	79%	0%		LIMESTONE, boundstone, white (5Y8/1), hard, indurated, wet, strong HCl reaction, fossiliferous, mostly shell molds and casts *(continued)* -105.5 104.5
										Coring Terminated at Elevation -105.5

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



B-732– Box 1



B-732 – Box 2

B-732 – Box 3

B-732 – Box 4


TURKEY POINT COL
6468-07-1950
B-732 BOX-5
DEPTH: 99.5'-104.5'
RUN-16 99.5'-104.5' REC. 3.5'(70%) RQD 0.0'(0%)

B-732 – Box 5

![MACTEC]

GEOTECHNICAL BORING LOG

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

SHEET 1 OF 2

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-733	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,118 US ft (NAD83/90)	EASTING: 875,898 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 103.5 ft	BORING DIAMETER: 4" to 28.0', 3" to 103.5'	CASING DEPTH: 4" to 28.0'	HAMMER (ID):140 lb. Auto (MEC-03)
DATE STARTED: 5/15/08	COMPLETED: 5/17/08	CORE SIZE: HQ3	BITS USED: 3" Roller Cone

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT	SAMP. NO.
-1.0	0.0				Ground Surface	
-1.0	0.0	WOH	WOH	WOH	0 / WOH	733-1
-3.5	2.5	9	9	12	21	733-2
-6.0	5.0	9	8	5	13	733-3
-8.5	7.5	8	4	3	7	733-4
-11.0	10.0	3	7	3	10	733-5
-13.5	12.5	10	14	8	22	733-6
-16.0	15.0	2	3	4	7	733-7
-19.4	18.4	7	5	7	12	733-8
-24.4	23.4	4	2	6	8	733-9
-29.4	28.4	15	44	50/0.5	94/1.0	733-10
-30.9	29.9					RUN-1
-34.5	33.5					RUN-2
-39.5	38.5					RUN-3
-44.5	43.5					RUN-4
-49.5	48.5					RUN-5
-54.5	53.5					RUN-6
-59.5	58.5					RUN-7
-64.5	63.5					RUN-8
-69.5	68.5					RUN-9
-74.5	73.5					RUN-10

SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA

Elev.	SOIL AND ROCK DESCRIPTION	Depth
-1.0	MUCK - no recovery	0.0
-3.5	LIMESTONE, boundstone, white (10YR8/1), to gray (10YR6/1), soft, wet, trace sand, oolitic, strong HCl reaction (Miami Formation) 5.0ft: white (10YR8/1), very soft 7.5ft: white (10YR8/1), to light gray (10YR7/2), fossiliferous 10.0ft: white (2.5Y8/1), to light gray (2.5Y7/1), trace vugs 12.5ft: white (10YR8/1), to very pale brown (10YR8/2), soft 15.0ft: white (10YR8/10), soft	2.5
-27.0	LIMESTONE, boundstone, pale yellow (2.5Y8/2), hard, wet, coralline, little vugs, strong HCl reaction (Upper Fort Thompson Formation) 29.9ft: Switch sampling method to coring 29.9ft: white (10YR8/1), indurated, some vugs, recrystallized calcite 32.0ft: loss of circulation 33.5ft: little vugs 38.5ft: white (10YR8/1), to light gray (10YR7/1), few vugs 43.5ft: white (10YR8/1), to light gray (10YR7/2), moderately hard, moderately indurated, trace sand	26.0
-49.5	LIMESTONE, boundstone, light gray (10YR7/2), to white (10YR8/1), hard, indurated, fossiliferous, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) 53.5ft: white (10YR8/1) 58.5ft: mottled light greenish gray (10Y7/1), moderately hard, moderately indurated 63.5ft: light gray (10YR7/1) 66.0 to 93.5ft: possible interbedded sand; based on drilling rates and recovery 68.5ft: white (10YR8/1)	48.5

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-733	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.0 ft (NAVD88)	NORTHING: 396,118 US ft (NAD83/90)	EASTING: 875,898 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 103.5 ft	BORING DIAMETER: 4" to 28.0', 3" to 103.5'	CASING DEPTH: 4" to 28.0'	HAMMER (ID):140 lb. Auto (MEC-03)
DATE STARTED: 5/15/08	COMPLETED: 5/17/08	CORE SIZE: HQ3	BITS USED: 3" 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
-75.8					Continued from previous page				
									LIMESTONE, boundstone, light gray (10YR7/2), to white (10YR8/1), hard, indurated, fossiliferous, trace vugs, strong HCl reaction (Lower Fort Thompson Formation) *(continued)*
-79.5	78.5					RUN-11			78.5ft: hard
-84.5	83.5					RUN-12			83.5ft: moderately hard
-89.5	88.5					RUN-13			88.5ft: hard, indurated
-94.5	93.5					RUN-14			93.5ft: moderately hard, moderately indurated
-99.5	98.5					RUN-15			
									-104.5 103.5
									Boring Terminated at Elevation -104.5 ft

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