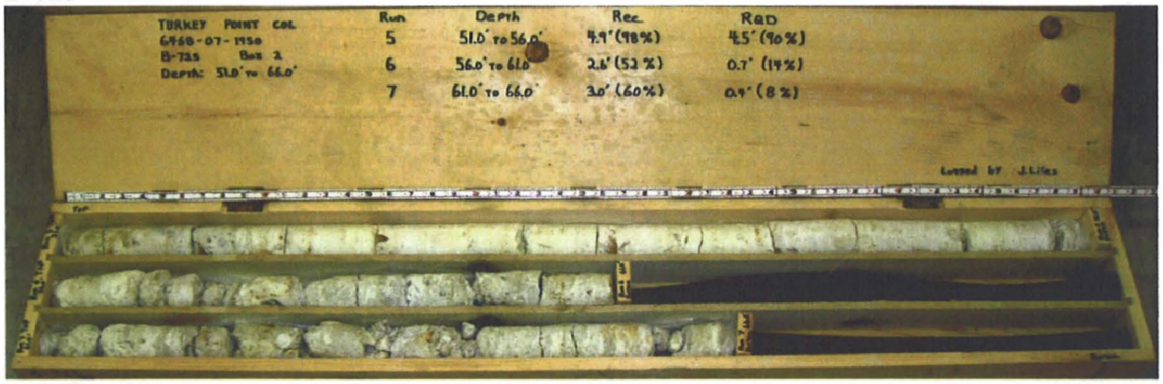
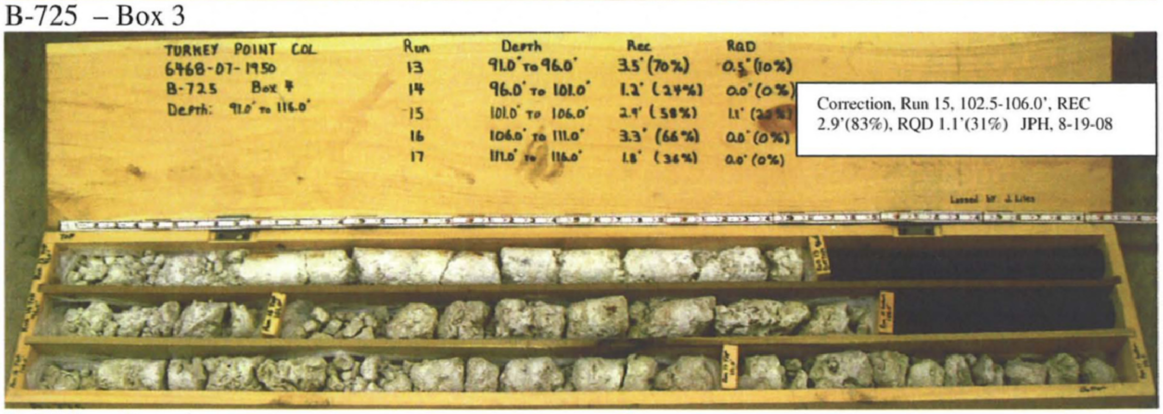
B-725 – Box 1



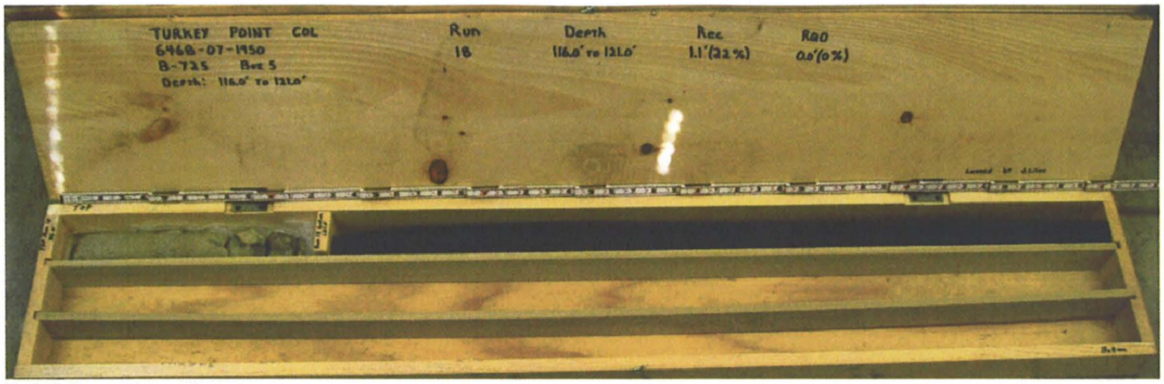
B-725 – Box 2

B-725 – Box 3



Correction, Run 15, 102.5-106.0', REC 2.9'(83%), RQD 1.1'(31%) JPH, 8-19-08

B-725 – Box 4



B-725 – Box 5

8/19/08

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: 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-726	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 396,876 US ft (NAD83/90)	EASTING: 876,004 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.5 ft	BORING DIAMETER: 4" to 25.2', 3" to 100.5'	CASING DEPTH: 4" to 25.2'	HAMMER (ID): 140 lb. Auto (M06)
DATE STARTED: 3/12/08	COMPLETED: 3/13/08	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.
-1.4					Ground Surface	
-1.4	0.0	WOH	WOH	WOH	0 WOH	726-1
-4.1	2.7					
		WOH	14	14	28	726-2A&B
-6.3	4.9	9	8	9	17	726-3
-8.7	7.3	8	6	3	9	726-4
-11.3	9.9	2	4	4	8	726-5
-13.9	12.5	9	10	8	18	726-6
-16.4	15.0	8	11	34	45	726-7
-21.2	19.8	3	5	10	15	726-8
-28.4	27.0	20	40	43	83	726-9
-32.5	31.1					
-33.9	32.5	5	9	50/0.4	59/0.9	726-10
-34.9	33.5					RUN-1
						RUN-2
-39.9	38.5					RUN-3
-44.9	43.5					RUN-4
-49.9	48.5					RUN-5
-54.9	53.5					RUN-6
-59.9	58.5					RUN-7
-64.9	63.5					RUN-8
-69.9	68.5					RUN-9
-74.9	73.5					RUN-10

SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA

SOIL AND ROCK DESCRIPTION

-1.4 — 0.0

MUCK, dark olive brown (2.5Y3/3), very soft, wet, strong HCl reaction

-4.7 — 3.3

LIMESTONE, boundstone, white (2.5Y8/1), soft, wet, trace sand, strong HCl reaction (Miami Formation)

4.9ft: very soft, oolitic

15.0ft: medium dense

19.8ft: very soft

-25.4 — 24.0

LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation)

29.0ft: loss of circulation

32.5: Switch sampling method to coring

32.5ft: white (2.5Y8/1), hard, indurated, fossiliferous, strong HCl reaction, some vugs

33.5ft: little vugs, trace coralline

38.5ft: trace recrystallized calcite, coralline

43.5ft: white (2.5Y8/1) to 46.2ft, then light gray (10Y7/1) to 48.5ft, few vugs

-49.9 — 48.5

LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)

53.5ft: trace vugs

56.0 to 73.0ft: possible sand interbeds as indicated by zones of fast drilling

58.5ft: sandy, possible interbedded sand layers based on rapid drill rates from 58.5ft to 60.0ft

63.5ft: possible interbedded sand layers based on rapid drill rates and poor recovery

68.5ft: possible interbedded sand layers based on rapid drill rates and poor recovery

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/ C. White	GROUND WATER (ft)
BORING NO.: B-726	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 396,876 US ft (NAD83/90)	EASTING: 876,004 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.5 ft	BORING DIAMETER: 4" to 25.2', 3" to 100.5'	CASING DEPTH: 4" to 25.2'	HAMMER (ID):140 lb. Auto (M06)
DATE STARTED: 3/12/08	COMPLETED: 3/13/08	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
-76.2					Continued from previous page				
									LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) *(continued)*
-79.9	78.5					RUN-11			78.5ft: moderately hard to hard, moderately indurated to indurated
-84.9	83.5					RUN-12			83.5ft: moderately hard, moderately indurated
-89.9	88.5					RUN-13			88.5ft: moderately hard to hard, moderately indurated to indurated, some vugs
-94.9	93.5					RUN-14			93.5ft: moderately hard, moderately indurated
-99.9	98.5					RUN-15			
-101.9	100.5								Boring Terminated at Elevation -101.9 ft

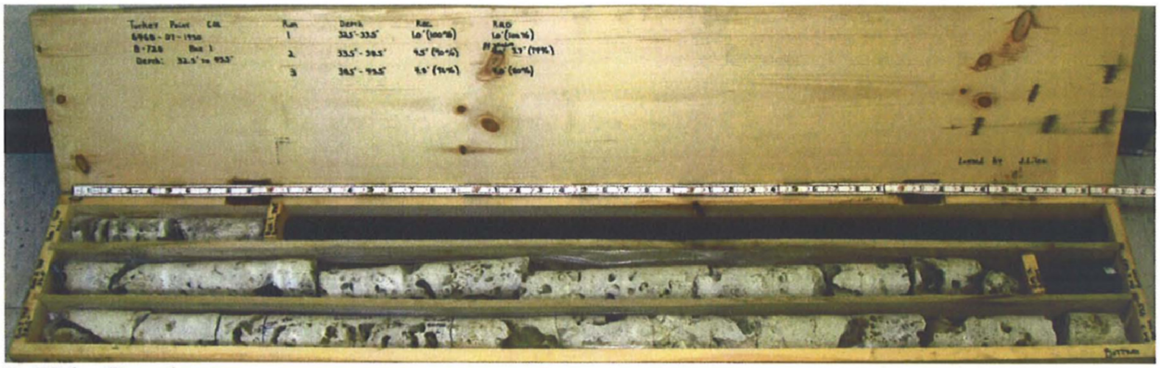
TURKEY POINT COL BORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5/30/08

MACTEC

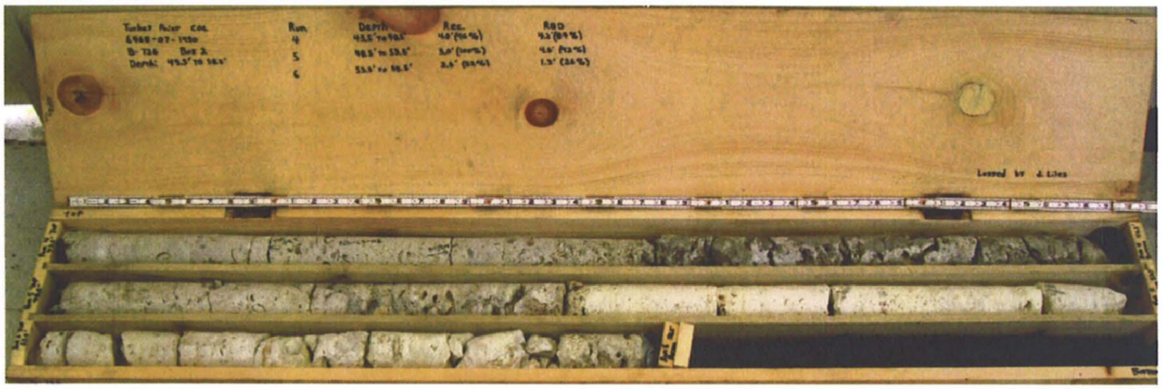
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: J. Liles
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (Miller)	DRILLER: R. White/ J. Dugger/ C. White	GROUND WATER (ft)
BORING NO.: B-726	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 396,876 US ft (NAD83/90)	EASTING: 876,004 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.5 ft	CASING DEPTH: 4" to 25.2'		HAMMER (ID): 140 lb. Auto (M06)
DATE STARTED: 3/12/08	COMPLETED: 3/13/08	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 @ 32.5 ft
-33.9	32.5	1.0	0:31	(1.0) 100%	(1.0) 100%	RUN-1	(15.1) 94%	(12.9) 81%		LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) *(continued)* 32.5ft: white (2.5Y8/1), hard, indurated, fossiliferous, strong HCl reaction, some vugs
-34.9	33.5	5.0	0:42 0:51 0:35 0:45 0:40	(4.5) 90%	(3.7) 74%	RUN-2				33.5ft: little vugs, trace coralline
-39.9	38.5	5.0	1:11 1:17 0:48 0:58 0:46	(4.8) 96%	(4.0) 80%	RUN-3				38.5ft: trace recrystallized calcite, coralline
-44.9	43.5	5.0	1:06 0:45 0:28 0:49 0:44	(4.8) 96%	(4.2) 84%	RUN-4				43.5ft: white (2.5Y8/1) to 46.2ft, then light gray (10Y7/1) to 48.5ft, few vugs
-49.9	48.5									-49.9 48.5
-49.9	48.5	5.0	1:10 1:04 0:40 0:55 0:51	(5.0) 100%	(4.6) 92%	RUN-5	(32.6) 63%	(19.8) 38%		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)
-54.9	53.5	5.0	0:46 1:08 0:23 0:01 0:31	(2.6) 52%	(1.3) 26%	RUN-6				53.5ft: trace vugs 56.0 to 73.0ft: possible sand interbeds as indicated by zones of fast drilling
-59.9	58.5	5.0	0:05 0:39 0:53 1:15 1:20	(3.7) 74%	(3.2) 64%	RUN-7				58.5ft: sandy, possible interbedded sand layers based on rapid drill rates from 58.5ft to 60.0ft
-64.9	63.5	5.0	0:32 0:07 0:05 0:06 0:10	(1.0) 20%	(0.4) 8%	RUN-8				63.5ft: possible interbedded sand layers based on rapid drill rates and poor recovery
-69.9	68.5	5.0	0:38 0:56 1:04 0:44 0:19	(2.2) 44%	(1.4) 28%	RUN-9				68.5ft: possible interbedded sand layers based on rapid drill rates and poor recovery
-74.9	73.5	5.0	1:25 1:03 1:06 1:02 0:55	(4.3) 86%	(3.0) 60%	RUN-10				
-79.9	78.5	5.0	1:09 0:13 0:09 0:17 0:36	(3.1) 62%	(1.5) 30%	RUN-11				78.5ft: moderately hard to hard, moderately indurated to indurated
-84.9	83.5	5.0	0:37 0:08 0:28 0:54 1:34	(3.2) 64%	(1.2) 24%	RUN-12				83.5ft: moderately hard, moderately indurated
-89.9	88.5	5.0	1:00 0:34 0:25 0:22 0:17	(3.7) 74%	(1.8) 36%	RUN-13				88.5ft: moderately hard to hard, moderately indurated to indurated, some vugs
-94.9	93.5	5.0	0:30 0:30 0:23 0:22 0:08	(2.3) 46%	(1.4) 28%	RUN-14				93.5ft: moderately hard, moderately indurated
-99.9	98.5	2.0	0:28 0:25	(1.5) 75%	(0.0) 0%	RUN-15				
-101.9	100.5									-101.9 100.5
										Coring Terminated at Elevation -101.9

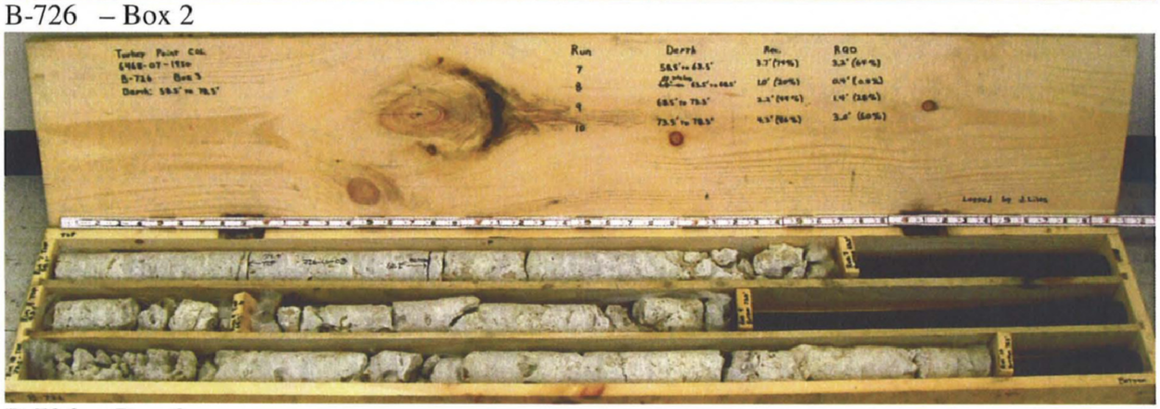
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5/30/08



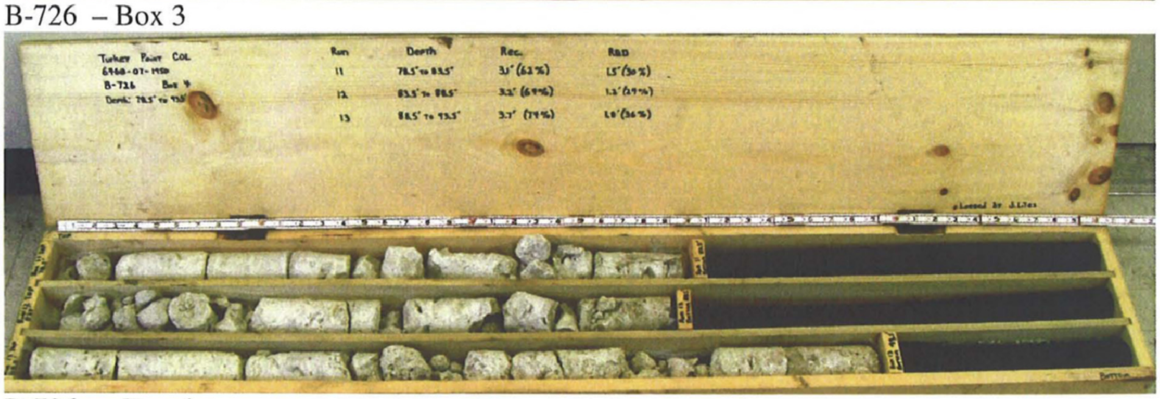
B-726 – Box 1



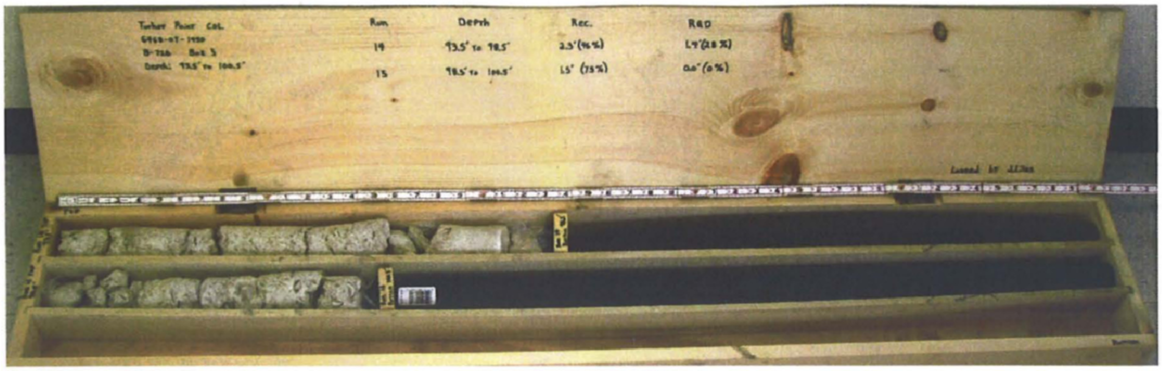
B-726 – Box 2



B-726 – Box 3



B-726 – Box 4



B-726 – Box 5

MACTEC

GEOTECHNICAL BORING LOG

Prepared By JDF Date 5.30.08
Checked By MYM Date 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-727	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,118 US ft (NAD83/90)	EASTING: 875,666 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.9 ft	BORING DIAMETER: 4" to 25.2', 3" to 100.9'	CASING DEPTH: 4" to 35.0'	HAMMER (ID): 140 lb. Auto (M06)
DATE STARTED: 4/3/08	COMPLETED: 4/4/08	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
-1.3					Ground Surface				-1.3 0.0
-1.3	0.0	WOH	WOH	WOH	0 WOH	727-1			MUCK, black (2.5Y2.5/1), very soft, wet, strong HCl reaction, fibrous
-4.2	2.9	WOH	WOH	1	1	727-2A&B			-5.3 4.0
-6.9	5.6	1	1	3	4 (SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA)	727-3			LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, some fine grained sand, strong HCl reaction, oolitic (Miami Formation)
-8.8	7.5	3	6	3	9	727-4			7.5ft: few sand
-11.1	9.8	3	5	5	10	727-5			
-13.5	12.2	4	11	9	20	727-6			12.2ft: soft
-16.3	15.0	5	13	42	55	727-7			15.0ft: moderately hard
-22.8	21.5	6	6	4	10	727-8			21.5ft: very soft, some sand
-28.0	26.7	4	15	35	50	727-9			26.7ft: moderately hard, fine to medium grained sand
-32.4	31.1	3	8	20	28	727-10			31.1ft: soft, little fine grained sand
									-35.3 34.0
									LIMESTONE, boundstone, white (2.5Y8/1), hard, strong HCl reaction (Upper Fort Thompson Formation)
-38.0	36.7	50/0.2			50/0.2	727-11			
-38.2	36.9					RUN-1			36.9ft: Switch sampling method to coring
-39.2	37.9					RUN-2			37.9ft: moderately hard, moderately indurated, little vugs, recrystallized calcite, coralline
-44.2	42.9					RUN-3			42.9ft: white (2.5Y8/1) grading to gray (2.5Y6/1), few vugs
-49.2	47.9					RUN-4			-50.2 47.9ft: gray (2.5Y6/1) to 48.9ft 48.9
									LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation)
-54.2	52.9					RUN-5			52.9ft: moderately hard to hard, moderately indurated to indurated, few vugs
-59.2	57.9					RUN-6			57.9ft: moderately hard, moderately indurated, trace sand
-64.2	62.9					RUN-7			62.9ft: medium hard to moderately hard, friable to moderately indurated, few to little sand
-69.2	67.9					RUN-8			67.9ft: moderately hard, moderately indurated
-74.2	72.9					RUN-9			72.9ft: soft to moderately hard, friable to

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/ C. White	GROUND WATER (ft)
BORING NO.: B-727	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,118 US ft (NAD83/90)	EASTING: 875,666 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.9 ft	BORING DIAMETER: 4" to 25.2', 3" to 100.9'	CASING DEPTH: 4" to 35.0'	HAMMER (ID):140 lb. Auto (M06)
DATE STARTED: 4/3/08	COMPLETED: 4/4/08	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
-76.1					Continued from previous page				
									moderately indurated, possible interbedded sand layers based on recovery and drill rates LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation) *(continued)*
-79.2	77.9					RUN-10			77.9ft: medium hard to moderately hard, friable to moderately indurated, few to little fine grained sand
-84.2	82.9					RUN-11			
-89.2	87.9					RUN-12			87.9ft: moderately hard to hard, moderately indurated to indurated, trace vugs, trace to few sand
-94.2	92.9					RUN-13			92.9ft: moderately hard, moderately indurated
-99.2	97.9					RUN-14			97.9ft: medium hard to moderately hard, friable to moderately indurated
-102.2	100.9								Boring Terminated at Elevation -102.2 ft

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

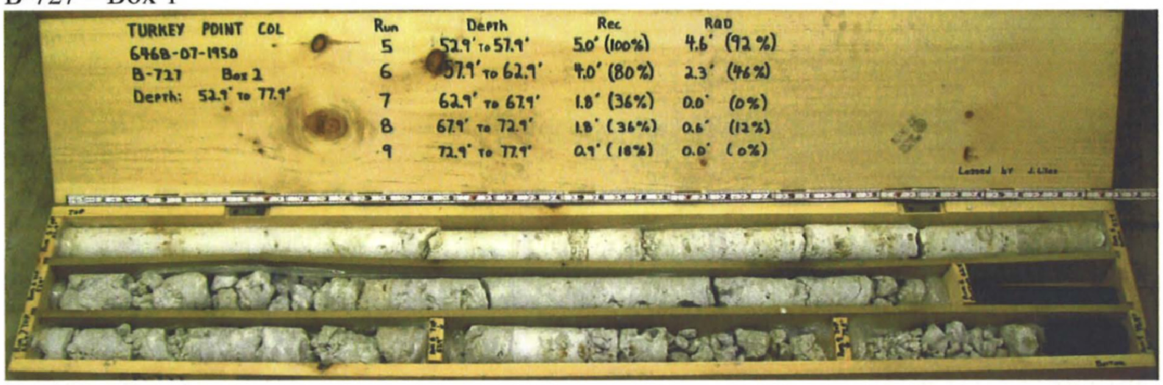
MACTEC

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: 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-727	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,118 US ft (NAD83/90)	EASTING: 875,666 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.9 ft	CASING DEPTH: 4" to 35.0'		HAMMER (ID): 140 lb. Auto (M06)
DATE STARTED: 4/3/08	COMPLETED: 4/4/08	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) %	DESCRIPTION AND REMARKS
									Begin Coring @ 36.9 ft
-38.2	36.9	1.0	0:55	(0.0) 0%	(0.0) 0%	RUN-1	(7.6) 63%	(5.5) 46%	LIMESTONE, boundstone, white (2.5Y8/1), hard, strong HCl reaction (Upper Fort Thompson Formation) *(continued)*
-39.2 / -44.2	37.9 / 42.9	5.0	0:54 0:48 0:56 0:49 0:55	(3.7) 74%	(3.0) 60%	RUN-2			37.9ft: moderately hard, moderately indurated, little vugs, recrystallized calcite, coralline
-49.2	47.9	5.0	0:47 0:17 0:49 0:53 0:57	(2.9) 58%	(1.7) 34%	RUN-3			42.9ft: white (2.5Y8/1) grading to gray (2.5Y6/1), few vugs
-54.2	52.9	5.0	1:04 0:59 0:56 0:58 1:01	(5.0) 100%	(4.8) 96%	RUN-4	(33.1) 64%	(18.3) 35%	47.9ft: gray (2.5Y6/1) to 48.9ft -50.2 — 48.9 LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation)
-59.2	57.9	5.0	1:18 0:56 0:57 0:47 1:02	(5.0) 100%	(4.6) 92%	RUN-5			52.9ft: moderately hard to hard, moderately indurated to indurated, few vugs
-64.2	62.9	5.0	0:48 0:43 0:54 0:43 0:31	(4.0) 80%	(2.3) 46%	RUN-6			57.9ft: moderately hard, moderately indurated, trace sand
-69.2	67.9	5.0	0:24 0:29 0:24 0:20 0:30	(1.8) 36%	(0.0) 0%	RUN-7			62.9ft: medium hard to moderately hard, friable to moderately indurated, few to little sand
-74.2	72.9	5.0	1:01 0:32 0:36 0:54 0:47	(1.8) 36%	(0.6) 12%	RUN-8			67.9ft: moderately hard, moderately indurated
-79.2	77.9	5.0	0:35 0:12 0:07 0:05 0:23	(0.9) 18%	(0.0) 0%	RUN-9			72.9ft: soft to moderately hard, friable to moderately indurated, possible interbedded sand layers based on recovery and drill rates
-84.2	82.9	5.0	0:41 0:45 0:40 0:54 0:56	(2.7) 54%	(0.0) 0%	RUN-10			77.9ft: medium hard to moderately hard, friable to moderately indurated, few to little fine grained sand
-89.2	87.9	5.0	1:51 0:37 0:10 0:23 0:45	(3.3) 66%	(2.5) 50%	RUN-11			
-94.2	92.9	5.0	1:04 0:52 0:54 0:37 0:37	(3.7) 74%	(1.9) 38%	RUN-12			87.9ft: moderately hard to hard, moderately indurated to indurated, trace vugs, trace to few sand
-99.2	97.9	5.0	0:39 0:22 0:31 0:38 0:23	(3.8) 76%	(2.4) 48%	RUN-13			92.9ft: moderately hard, moderately indurated
-102.2	100.9	3.0	0:07 0:11 0:40	(2.1) 70%	(0.0) 0%	RUN-14			97.9ft: medium hard to moderately hard, friable to moderately indurated -102.2 — 100.9
									Coring Terminated at Elevation -102.2

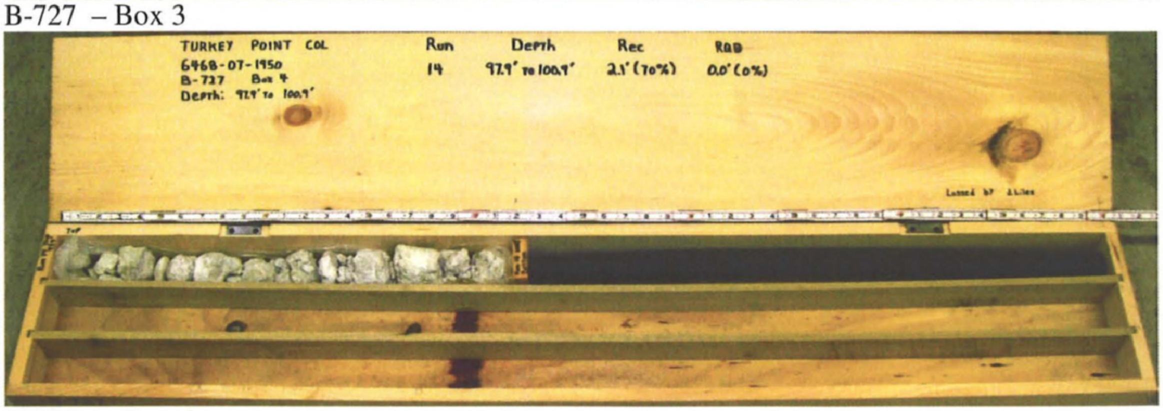
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5/30/08

B-727 – Box 1



B-727 – Box 2

B-727 – Box 3



B-727 – Box 4

MACTEC

GEOTECHNICAL BORING LOG

Prepared By [signature] Date 5-30-08

Checked By [signature] Date 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-728	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 397,071 US ft (NAD83/90)	EASTING: 875,620 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 126.6 ft	BORING DIAMETER: 4" to 25.0', 3" to 126.6'	CASING DEPTH: 4" to 25.0', 3" to 113.5'	HAMMER (ID):140 lb. Auto (M06)
DATE STARTED: 4/5/08	COMPLETED: 4/1/08	CORE SIZE: HQ3	BITS USED: 2 7/8" Roller Cone

SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	BLOW COUNT 0.5ft	BLOW COUNT 0.5ft	BLOWS PER FOOT	SAMP. NO.	SOIL AND ROCK DESCRIPTION
-1.4					Ground Surface		-1.4 ... 0.0
-1.4	0.0	WOH	WOH	WOH	0 (WOH)	728-1	MUCK, black (2.5Y2.5/1), very soft, wet, strong HCl reaction
-3.8	2.4	WOH	1	4	5	728-2A&B	-4.5 ... 3.1 LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, strong HCl reaction, little fine grained sand, oolitic (Miami Formation)
-6.4	5.0	4	7	6	13	728-3	
-8.9	7.5	6	6	6	12	728-4	
-11.3	9.9	4	5	11	16	728-5	9.9ft: trace sand
-13.5	12.1	9	15	12	27	728-6	12.1ft: soft
-16.2	14.8	4	5	17	22	728-7	
-22.8	21.4	6	8	5	13	728-8	21.4ft: very soft 23.7ft: Switch sampling method to coring
-27.9	26.5						-26.4 ... 25.0 LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) 23.7ft: moderately hard, moderately indurated, trace fine sand
-28.7	27.3	12	50/0.3		62/0.8	728-9 RUN-1	
-30.7	29.3					RUN-2	29.3ft: hard, indurated, few vugs, coralline
-35.7	34.3					RUN-3	34.3ft: recrystallized calcite
-40.7	39.3					RUN-4	39.3ft: trace vugs
-45.7	44.3					RUN-5	44.3ft: fossiliferous
-50.7	49.3					RUN-6	49.3ft: white (2.5Y8/1) to 49.9ft, then gray (10YR5/1) to 51.0ft -52.4 ... 51.0 LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation)
-55.7	54.3					RUN-7	54.3ft: moderately hard to hard, moderately indurated to indurated, trace vugs
-60.7	59.3					RUN-8	59.3ft: medium hard to moderately hard, friable to moderately indurated, few vugs, trace sand
-65.7	64.3					RUN-9	64.3ft: trace vugs, little fine grained sand
-70.7	69.3					RUN-10	69.3ft: hard, indurated
-72.2	70.8					RUN-11	70.8ft: moderately hard, moderately indurated, trace sand

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

MACTEC

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BORING NO.: B-728	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 397,071 US ft (NAD83/90)	EASTING: 875,620 US ft (NAD83/90)	24 HR. NA

TOTAL DEPTH: 126.6 ft	BORING DIAMETER: 4" to 25.0', 3" to 126.6'	CASING DEPTH: 4" to 25.0', 3" to 113.5'	HAMMER (ID):140 lb. Auto (M06)
DATE STARTED: 4/5/08	COMPLETED: 4/1/08	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
-76.2					Continued from previous page				
-77.2	75.8					RUN-12			LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation) *(continued)* 75.8ft: moderately hard to hard, friable to moderately indurated, little sand
-82.2	80.8					RUN-13			80.8ft: moderately hard, moderately indurated
-87.2	85.8					RUN-14			85.8ft: trace vugs
-92.2	90.8					RUN-15			90.8ft: medium hard to moderately hard, friable to moderately indurated
-97.2	95.8					RUN-16			
-102.2	100.8					RUN-17			100.8ft: moderately hard, moderately indurated. little shell molds and casts
-107.2	105.8					RUN-18			105.8ft: medium hard to moderately hard, friable to moderately indurated, trace shell molds and casts
-112.2	110.8					RUN-19			-115.4 114.0
-117.4	116.0	7	20	12	32	728-10			POORLY GRADED SAND with silt (SP-SM), light gray (2.5Y7/2), dense, wet, fine grained sand, strong HCl reaction, trace limestone fragments (Tamiami Formation) 116.0ft: Switched sampling method to SPT
-126.5	125.1	3	7	13	20	728-11			125.1ft: greenish gray (10Y6/1), medium dense -128.0 126.6 Boring Terminated at Elevation -128.0 ft

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

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BORING NO.: B-728	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 397,071 US ft (NAD83/90)	EASTING: 875,620 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 126.6 ft	CASING DEPTH: 4" to 25.0', 3" to 113.5'		HAMMER (ID): 140 lb. Auto (M06)
DATE STARTED: 4/5/08	COMPLETED: 4/1/08	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 @ 27.3 ft
-28.7 -30.7	27.3 29.3	2.0	0:35 0:08	(0.5) 25%	(0.0) 0%	RUN-1	(21.7) 92%	(18.0) 76%		LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) *(continued)* 23.7ft: moderately hard, moderately indurated, trace fine sand 29.3ft: hard, indurated, few vugs, coralline
-35.7	34.3	5.0	0:49 0:37 0:45 0:48 0:44	(4.9) 98%	(3.5) 70%	RUN-2				
-40.7	39.3	5.0	1:05 0:54 0:34 0:38 0:45	(5.0) 100%	(3.8) 76%	RUN-3				34.3ft: recrystallized calcite
-45.7	44.3	5.0	0:57 0:51 1:00 1:11 1:01	(5.0) 100%	(4.8) 96%	RUN-4				39.3ft: trace vugs
-50.7	49.3	5.0	1:08 1:06 1:01 1:17 1:04	(4.6) 92%	(4.6) 92%	RUN-5				44.3ft: fossiliferous
-55.7	54.3	5.0	0:53 1:05 0:56 0:48 0:41	(5.0) 100%	(4.6) 92%	RUN-6	(44.3) 70%	(25.7) 41%		49.3ft: white (2.5Y8/1) to 49.9ft, then gray (10YR5/1) to 51.0ft -52.4 51.0 LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation)
-60.7	59.3	5.0	1:20 1:01 0:29 1:05 1:12	(3.4) 68%	(1.9) 38%	RUN-7				54.3ft: moderately hard to hard, moderately indurated to indurated, trace vugs
-65.7	64.3	5.0	0:34 0:32 0:35 0:31 0:22	(3.2) 64%	(1.2) 24%	RUN-8				59.3ft: medium hard to moderately hard, friable to moderately indurated, few vugs, trace sand
-70.7	69.3	5.0	0:37 0:52 0:41 0:50 1:04	(3.5) 70%	(1.4) 28%	RUN-9				64.3ft: trace vugs, little fine grained sand
-72.2	70.8	1.5	0:32 0:22/0.5	(0.9) 60%	(0.8) 53%	RUN-10				69.3ft: hard, indurated
-77.2	75.8	5.0	0:36 0:32 0:38 0:40 0:58	(1.9) 38%	(1.1) 22%	RUN-11				70.8ft: moderately hard, moderately indurated, trace sand
-82.2	80.8	5.0	2:31 2:41 0:30 1:29 0:56	(3.2) 64%	(1.4) 28%	RUN-12				75.8ft: moderately hard to hard, friable to moderately indurated, little sand
-87.2	85.8	5.0	1:59 0:56 0:26 0:32 0:54	(3.9) 78%	(2.6) 52%	RUN-13				80.8ft: moderately hard, moderately indurated
-92.2	90.8	5.0	1:15 1:10 1:00 1:09 1:23	(5.0) 100%	(4.3) 86%	RUN-14				85.8ft: trace vugs
-97.2	95.8	5.0	2:09 0:59 0:45 0:53 0:26	(4.0) 80%	(2.5) 50%	RUN-15				90.8ft: medium hard to moderately hard, friable to moderately indurated
-102.2	100.8	5.0	0:32 0:28 0:29 2:05 0:46	(1.8) 36%	(0.0) 0%	RUN-16				
		5.0	0:52	(4.8)	(3.3)	RUN-17				100.8ft: moderately hard, moderately indurated, little shell molds and casts

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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
-107.2	105.8		0:51 0:46 0:39 0:35	96%	66%					LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation) *(continued)*
-112.2	110.8	5.0	0:39 0:39 0:34 0:43 0:31	(4.2) 84%	(1.9) 38%	RUN-18				105.8ft: medium hard to moderately hard, friable to moderately indurated, trace shell molds and casts
-117.2	115.8	5.0	0:40 1:37 1:06 0:12 0:30	(1.2) 24%	(0.0) 0%	RUN-19	(0.0) 0%	(NA)		-115.4 — 114.0 POORLY GRADED SAND with silt (SP-SM), light gray (2.5Y7/2), dense, wet, fine grained sand, strong HCl reaction, trace limestone fragments (Tamiami Formation) -117.2 — 115.8
										Coring Terminated at Elevation -117.2