



SHEET 2 OF 2

BECHTEL PROJECT NO.: 25409			MACTEC PROJECT NO.: 6468-07-1950			COUNTY: Miami-Dade			GEOLOGIST: S. Lehman				
SITE DESCRIPTION: Turkey Point COL			DRILL MACHINE: CME-45C (RAL)			DRILLER: D. Rhodes/ N. Vasquez			GROUND WATER (ft)				
BORING NO.: B-736			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA				
GROUND ELEV.: -0.5 ft (NAVD88)			NORTHING: 395,809 US ft (NAD83/90)			EASTING: 876,107 US ft (NAD83/90)			24 HR. NA				
TOTAL DEPTH: 125.0 ft			BORING DIAMETER: 4" to 24.8", 3" to 125.0'			CASING DEPTH: 4" to 24.8", 3" to 113.3'			HAMMER (ID): 140 lb. Auto (MEC-12)				
DATE STARTED: 4/5/08			COMPLETED: 4/8/08			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			
-75.3					Continued from previous page								
-77.6	77.1										RUN-10		LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, few vugs, recrystallized calcite, trace to few shell molds and casts (Lower Fort Thompson Formation) (continued) 77.1ft: moderately hard to hard, moderately indurated to indurated, trace coarse grained sand
-82.6	82.1										RUN-11		
-87.6	87.1										RUN-12		87.1ft: hard, indurated
-92.6	92.1										RUN-13		92.1ft: moderately indurated to indurated, little medium to coarse sand, possible interbedded sand layers; based on recovery and drilling rates
-97.6	97.1										RUN-14		97.1ft: medium hard to hard, few shell molds and casts
-102.6	102.1										RUN-15		102.1ft: hard, indurated, little shell molds and casts
-107.6	107.1										RUN-16		107.1ft: possible interbedded sand layers; based on recovery and drilling rates
-112.6	112.1										RUN-17		112.1ft: soft to moderately hard, friable to moderately indurated, little sand
-117.6	117.1	14	8	5							736-11		POORLY GRADED SAND (SP-SM), light gray (5Y7/2), medium dense, wet, fine grained sand, weak HCl reaction, fragments of cemented sand (Tamiami Formation) 117.1ft: Switch sampling method to SPT
-124.0	123.5	5	8	7							736-12		114.5
													125.0
Boring Terminated at Elevation -125.5 ft.													

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT S: 9/08



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: S. Lehman
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-45C (RAL)	DRILLER: D. Rhodes/ N. Vasquez	GROUND WATER (ft)
BORING NO.: B-736	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -0.5 ft (NAVD88)	NORTHING: 395,809 US ft (NAD83/90)	EASTING: 876,107 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 125.0 ft	CASING DEPTH: 4" to 24.8', 3" to 113.3'	HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 4/5/08	COMPLETED: 4/8/08	CORE SIZE: HQ3	CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC (ft) %	RQD (ft) %	SAMP. NO.	REC (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS
										Begin Coring @ 33.6 ft
-34.1	33.6	3.5	0:52 0:46 0:25	(0.6) 17%	(0.0) 0%	RUN-1	(6.8) 50%	(3.1) 23%		LIMESTONE, boundstone, white (2.5Y8/1), medium hard, indurated (Upper Fort Thompson Formation) <i>(continued)</i> 33.6ft: little vugs
-37.6	37.1	5.0	0:34/0.5 1:40 1:22	(2.0) 40%	(0.0) 0%	RUN-2				
-42.6	42.1	5.0	0:56 0:59 0:37	(4.2) 84%	(3.1) 62%	RUN-3				42.1ft: few vugs, recrystallized calcite
-47.6	47.1	5.0	1:20 1:41 2:01 2:06 2:32	(5.0) 100%	(4.7) 94%	RUN-4	(42.9) 64%	(34.9) 52%	-47.6	LIMESTONE, boundstone, white (2.5Y8/1), moderately hard to hard, moderately indurated to indurated, few vugs, recrystallized calcite, trace to few shell molds and casts (Lower Fort Thompson Formation)
-52.6	52.1	5.0	1:12 1:02 1:09	(5.0) 100%	(5.0) 100%	RUN-5				52.1ft: medium hard to hard
-57.6	57.1	5.0	0:59 0:50 1:39 1:27 1:37	(4.4) 88%	(4.1) 82%	RUN-6				57.1ft: moderately hard, trace vugs
-62.6	62.1	5.0	0:48 0:56 0:34 1:09 1:32	(1.9) 38%	(0.9) 18%	RUN-7				62.1ft: few to little shell molds and casts
-67.6	67.1	5.0	0:58 0:49 0:50 0:51 0:23	(3.3) 66%	(3.0) 60%	RUN-8				67.1ft: moderately hard to hard, moderately indurated to indurated, trace shell molds and casts
-72.6	72.1	5.0	0:38 0:42 2:06 1:35 1:54	(4.0) 80%	(3.8) 76%	RUN-9				72.1ft: moderately hard, moderately indurated, trace vugs, fossiliferous
-77.6	77.1	5.0	0:54 1:06 0:54 1:27 0:52	(3.5) 70%	(3.5) 70%	RUN-10				77.1ft: moderately hard to hard, moderately indurated to indurated, trace coarse grained sand
-82.6	82.1	5.0	0:52 1:16	(2.9) 58%	(1.8) 36%	RUN-11				
-87.6	87.1	5.0	0:46 1:06 0:45 0:54 2:01	(1.6) 32%	(1.1) 22%	RUN-12				87.1ft: hard, indurated
-92.6	92.1	5.0	1:38 1:40 1:39 2:04 3:34	(1.8) 36%	(1.0) 20%	RUN-13				92.1ft: moderately indurated to indurated, little medium to coarse sand, possible interbedded sand layers; based on recovery and drilling rates
-97.6	97.1	5.0	0:26 0:42 0:34 0:12 0:34	(3.4) 68%	(2.1) 42%	RUN-14				97.1ft: medium hard to hard, few shell molds and casts
-102.6	102.1	5.0	0:54 1:26 1:14 1:30 1:54	(3.9) 78%	(3.9) 78%	RUN-15				102.1ft: hard, indurated, little shell molds and casts
-107.6	107.1	5.0	0:55 0:47 0:38 1:02 1:12	(1.3) (0.0)		RUN-16				107.1ft: possible interbedded sand layers; based on recovery and drilling rates

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDI 8/19/08