

DCN# TUR512



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-739				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core		0 HR.	NA	
GROUND ELEV.: -1.6 ft (NAVD88)				NORTHING: 396,963 US ft (NAD83/90)				EASTING: 876,150 US ft (NAD83/90)		24 HR.	NA	
TOTAL DEPTH: 101.0 ft				CASING DEPTH: 4" to 31.0'						HAMMER (ID): 140 lb. Auto (07)		
DATE STARTED: 2/22/08		COMPLETED: 2/24/08		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) %		RQD (ft) %	SAMP. NO.	STRATA REC (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS
												Begin Coring @ 16.4 ft
-18.0	16.4	4.4	3:26 4:12 2:34 0:22	(3.1) 70%	(2.6) 59%		RUN-1	(3.1) 33%	(2.6) 28%			LIMESTONE, boundstone, white (5Y8/1), hard, friable, strong HCl reaction, oolitic (Miami Formation) (continued)
-22.4	20.8		0:22									16.4ft: indurated, fossiliferous, recrystallized calcite, little locally interconnected vugs, cemented sand and shell fragments
		5.0	0:29/0.4	(0.0) 0%	(0.0) 0%		RUN-2					20.8ft: soft and friable
			0:25 0:24 1:57 0:18 0:19									
-27.4	25.8		N=19				739-8					26.0ft: loss of circulation
								(10.6) 66%	(7.1) 44%			26.3ft: Switch sampling method to SPT
												26.3ft: very soft, some medium grained sand
-32.6	31.0	5.0	N=50/0.5 1:03 0:59 0:47 1:51 3:15	(1.2) 24%	(0.0) 0%		739-9 RUN-3					LIMESTONE, boundstone, white (5Y8/1), wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation)
												30.5ft: hard
-37.6	36.0											31.0ft: Switch sampling method to coring
		5.0	1:42 1:23 1:37 1:28 1:55	(3.7) 74%	(1.4) 28%		RUN-4					31.0ft: white (5Y8/1), to pale yellow (5Y8/3), moderately hard, indurated, some vugs, recrystallized calcite
-42.6	41.0											36.0ft: white (5Y8/1), hard, few vugs
		5.0	1:00 1:25 1:43 2:52 2:23	(4.7) 94%	(4.7) 94%		RUN-5					41.0ft: coralline
-47.6	46.0											
		5.0	1:48 1:22 5:59 1:25 1:34	(5.0) 100%	(5.0) 100%		RUN-6	(37.1) 69%	(25.7) 48%			46.0ft: light gray (5Y7/1)
-52.6	51.0											LIMESTONE, boundstone, white, (5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction, recrystallized calcite (Lower Fort Thompson Formation)
		5.0	1:11 1:10 0:23 0:42 0:23	(4.2) 84%	(3.6) 72%		RUN-7					
-57.6	56.0											
		5.0	0:31 0:22 0:15 0:45 1:10	(2.2) 44%	(0.8) 16%		RUN-8					
-62.6	61.0											
		5.0	0:48 1:04 0:56 0:26 0:53	(5.0) 100%	(4.3) 86%		RUN-9					
-67.6	66.0											
		5.0	0:35 0:21 0:18 0:28 1:55	(2.2) 44%	(1.2) 24%		RUN-10					66.0ft: little vugs
-72.6	71.0											
		5.0	0:28 0:39 1:48 1:49 1:24	(3.4) 68%	(1.8) 36%		RUN-11					71.0ft: moderately hard, moderately indurated
-77.6	76.0											
		5.0	0:31 0:45 1:03 0:46 0:56	(3.4) 68%	(2.8) 56%		RUN-12					76.0ft: medium hard to moderately hard
-82.6	81.0											
		5.0	0:57 0:50 1:45 0:39 0:43	(2.5) 50%	(2.0) 40%		RUN-13					81.0ft: hard, moderately indurated to indurated, few vugs
-87.6	86.0											
		5.0	0:26 0:47 0:33 0:30 0:59	(2.8) 56%	(1.5) 30%		RUN-14					86.0ft: indurated
-92.6	91.0											

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



SHEET 2 OF 2

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ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-97.6	96.0	5.0	0:33 0:26 0:20 0:31 0:33	(4.8) 96%	(2.8) 56%	RUN-15				LIMESTONE, boundstone, white, (5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction, recrystallized calcite (Lower Fort Thompson Formation) (continued)
-102.6	101.0	5.0	0:31 1:04 0:40 0:39 0:37	(2.6) 52%	(0.9) 18%	RUN-16				
										-102.6 101.0 Coring Terminated at Elevation -102.6

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