



SHEET 1 OF 2

BECHTEL PROJECT NO.: 25409				MACTEC PROJECT NO.: 6468-07-1950				COUNTY: Miami-Dade		GEOLOGIST: H. Lyatuu			
SITE DESCRIPTION: Turkey Point COL				DRILL MACHINE: CME-550 Marsh Buggy				DRILLER: F. Cox/ R. Hall				GROUND WATER (ft)	
BORING NO.: B-737				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -0.6 ft (NAVD88)				NORTHING: 395,804 US ft (NAD83/90)				EASTING: 876,238 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 153.3 ft				CASING DEPTH: 4" to 30.0', 3" to 115.0'						HAMMER (ID): 140 lb. Auto (893)			
DATE STARTED: 4/3/08		COMPLETED: 4/5/08		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 @ 33.8 ft	
-34.4	33.8	3.0	3:08 3:20 2:50	(3.0) 100%	(1.0) 33%		RUN-1	(12.5) 87%	(6.6) 46%			LIMESTONE, boundstone, white (10YR8/1 and 2.5Y8/1), hard, wet, fossiliferous, strong HCl reaction (Upper Fort Thompson Formation) (continued)	
-37.4	36.8	5.0	2:16 1:28 3:25 3:16 3:25	(3.8) 76%	(1.2) 24%		RUN-2					33.8ft: hard, indurated, coralline, trace recrystallized calcite, little locally interconnected vugs, fossiliferous 36.8ft: few vugs, interbedded friable layers	
-42.4	41.8	5.0	2:54 4:09 3:20 3:30 3:00	(4.4) 88%	(4.4) 88%		RUN-3 737-CS-01 737-CS-02					41.8ft: trace vugs	
-47.4	46.8	5.0	2:50 2:29 3:18 2:27 2:46	(5.0) 100%	(3.7) 74%		RUN-4	(24.2) 40%	(7.7) 13%			-48.7 LIMESTONE, boundstone, white (7.5YR8/1), moderately hard to hard, friable to indurated, trace vugs, fossiliferous, strong HCl reaction, few shell molds and casts (Lower Fort Thompson Formation)	
-52.4	51.8	5.0	1:59 2:18 2:17 2:36 4:55	(2.6) 52%	(0.8) 16%		RUN-5					51.8ft: white (2.5Y8/1), moderately hard, moderately indurated, trace sand	
-57.4	56.8	5.0	2:51 1:52 1:43 1:44 2:05	(4.3) 86%	(1.2) 24%		RUN-6					56.8ft: white (10YR8/1), moderately hard to hard, moderately indurated to indurated	
-62.4	61.8	5.0	1:55 1:06 1:37 0:58 1:29	(0.9) 18%	(0.0) 0%		RUN-7					61.8ft: moderately hard, moderately indurated	
-67.4	66.8	5.0	1:35 1:34 1:53 1:12 1:01	(0.9) 18%	(0.0) 0%		RUN-8					61.8ft: moderately hard, moderately indurated	
-72.4	71.8	5.0	0:57 0:43 1:21 1:51 1:56	(0.0) 0%	(0.0) 0%		RUN-9					71.8ft: no recovery, possible interbedded soft, friable, limestone and sand layers	
-77.4	76.8	5.0	N=50/1.0 2:51 2:37 2:44 2:49	(2.0) 50%	(0.7) 18%		RUN-10					76.8ft: Switch sampling method to SPT 76.8ft: hard 77.8ft: Switch sampling method to coring 77.8ft: moderately hard, moderately indurated	
-82.4	81.8	5.0	2:00 0:45 0:52 2:03 2:37	(2.2) 44%	(0.0) 0%		RUN-11					81.8ft: moderately hard to hard, moderately indurated to indurated, few vugs, trace shell molds and casts	
-87.4	86.8	5.0	3:15 2:07 2:36 1:30 1:15	(1.7) 34%	(0.4) 8%		RUN-12					86.8ft: moderately hard to medium hard, trace vugs	
-92.4	91.8	5.0	2:22 0:57 0:47 1:26 1:37	(0.5) 10%	(0.0) 0%		RUN-13					91.8ft: medium hard, moderately indurated	
-97.4	96.8	5.0	N=40 2:10 2:03 1:13 1:14/0.5	(3.3) 94%	(0.9) 26%		RUN-14					96.8ft: Switch sampling method to SPT 96.8ft: moderately hard 98.3ft: Switch sampling method to coring 98.3ft: few vugs, mostly shell molds and casts	
-98.9	98.3	3.5	1:22 1:05 1:20 1:09 1:12	(1.8) 36%	(0.0) 0%		RUN-15						
-107.4	106.8	5.0	1:00	(0.3)	(0.0)		RUN-16						

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

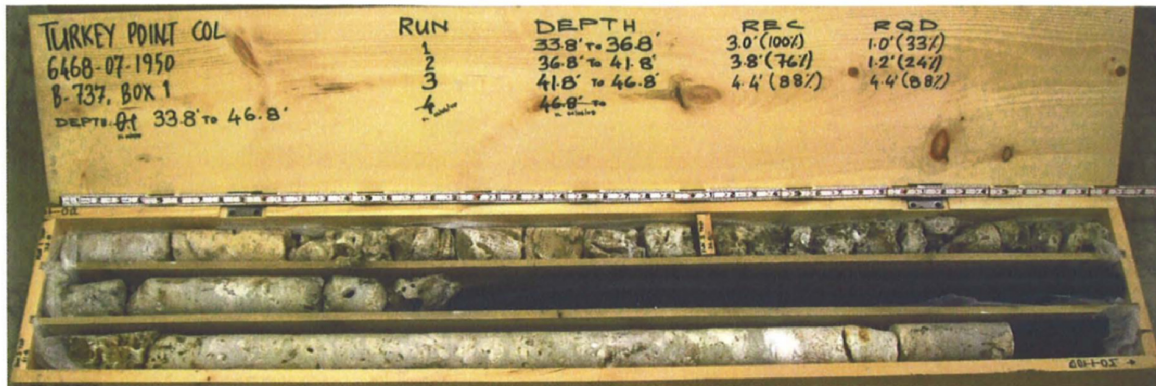


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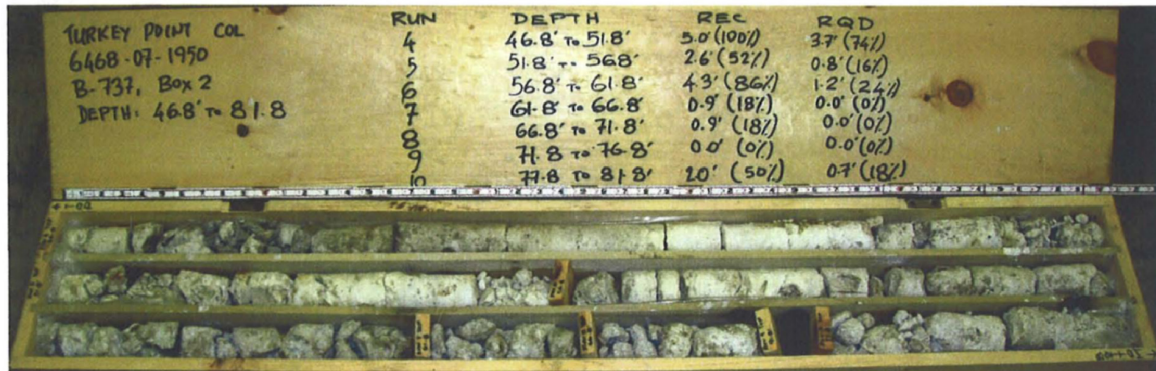
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ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		L O G	DESCRIPTION AND REMARKS
				REC (ft) %	ROD (ft) %		REC (ft) %	ROD (ft) %		
										Continued from previous page
-112.4	111.8		1:25 1:00 1:27 0:47	6%	0%					LIMESTONE, boundstone, white (7.5YR8/1), moderately hard to hard, friable to indurated, trace vugs, fossiliferous, strong HCl reaction, few shell molds and casts (Lower Fort Thompson Formation) (continued)
										Coring Terminated at Elevation -112.4

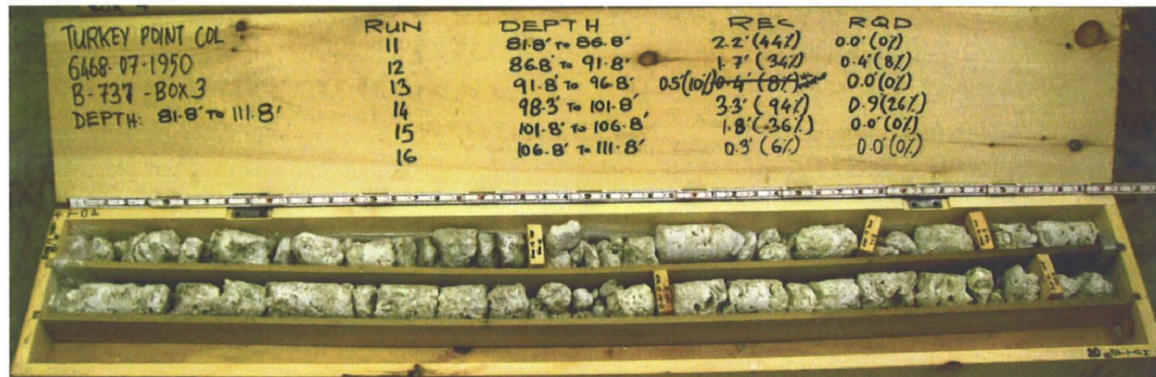
TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDI 7-10-08



B-737 - Box 1



B-737 - Box 2



B-737 - Box 3