



BECHTEL PROJECT NO.: 25409		MACTEC PROJECT NO.: 6468-07-1950		COUNTY: Miami-Dade		GEOLOGIST: O. Rodriguez	
SITE DESCRIPTION: Turkey Point COL		DRILL MACHINE: CME-45C (RAL)		DRILLER: D. Rhodes/ K. Guy		GROUND WATER (ft)	
BORING NO.: B-735		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA	
GROUND ELEV.: -0.8 ft (NAVD88)		NORTHING: 395,825 US ft (NAD83/90)		EASTING: 875,689 US ft (NAD83/90)		24 HR. NA	
TOTAL DEPTH: 128.0 ft		CASING DEPTH: 4" to 29.1', 3" to 118.6'				HAMMER (ID): 140 lb. Auto (MEC-12)	
DATE STARTED: 3/20/08		COMPLETED: 3/25/08		CORE SIZE: HQ3		CORE BARREL TYPE: Triple Tube Wireline (Split inner liners)	

ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	RUN		SAMP. NO.	STRATA		LOG	DESCRIPTION AND REMARKS	
				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %			
										Begin Coring @ 30.2 ft	
-31.0	30.2	1.5	2:12	(1.5)	(1.1)	RUN-1	(18.3)	(15.0)	L	LIMESTONE, boundstone, white (2.5Y8/1), moderately hard, wet, strong HCl reaction, trace to few fine grained sand (Upper Fort Thompson Formation)	
-32.5	31.7	5.0	0:33/0.5	100%	73%	RUN-2	100%	82%			R
			2:19	(5.0)	(4.7)					(continued)	
			2:22	100%	94%					30.2ft: moderately hard, moderately indurated, few to little vugs, fossiliferous	
			2:06							31.7ft: hard, indurated, coralline, recrystallized calcite	
-37.5	36.7	5.0	1:04	(5.0)	(4.6)	RUN-3				36.7ft: white (2.5Y8/1), to pale yellow (2.5Y8/4), hard to moderately hard, indurated, few vugs	
			1:10	100%	92%						
			2:11								
-42.5	41.7	5.0	2:13	(5.0)	(3.3)	RUN-4				41.7ft: hard	
			1:54	100%	66%						
			2:04								
-47.5	46.7	5.0	1:58	(5.0)	(4.3)	RUN-5				46.7ft: gray (10YR6/1)	
			1:54	100%	86%						
			1:41								
			1:34								
			2:08	(5.0)	(4.3)		(23.7)	(10.9)		L	LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous (Lower Fort Thompson Formation)
-52.5	51.7	5.0	1:58	(3.7)	(2.6)	RUN-6	37%	17%		51.7ft: little vugs, trace to few shell molds and casts, trace sand	
			1:55	74%	52%						
			2:06								
			1:58								
			1:10	(3.4)	(2.0)	RUN-7					
			1:22	68%	40%						
			1:13								
-57.5	56.7	5.0	1:44	(3.4)	(1.9)	RUN-8					
			0:58	68%	38%						
			1:02								
			0:47								
			0:40								
-62.5	61.7	5.0	0:59	(1.4)	(0.5)	RUN-9				66.7 to 71.7ft: indurated to moderately indurated, few vugs, possible interbedded sand layers; based on recovery and drilling rates	
			0:52	28%	10%						
			0:54								
			0:48								
			1:16								
			1:33								
-67.5	66.7	5.0	1:42	(1.7)	(0.9)	RUN-10				73.7: little vugs, few to little sand	
			0:14	85%	45%						
			0:31								
			0:38								
			1:05								
			1:36								
-72.5	71.7	2.0	4:07	(1.4)	(0.0)	RUN-11				75.4ft: moderately hard	
			1:37	82%	0%						
			4:07								
			1:38								
			5:36/0.7	(1.4)	(0.0)	RUN-12				76.5 to 113.0ft: possible interbedded sand layers; based on recovery and drilling rates	
-76.2	75.4	1.7	10:00/0.1	(0.2)	(0.0)	RUN-13					
			1:04	18%	0%						
			10:00/0.1								
			1:22								
			2:57	(0.3)	(0.0)	RUN-14					
			2:11	6%	0%						
			1:12								
-82.3	81.5	5.0	2:12	(0.2)	(0.0)	RUN-15					
			0:54	4%	0%						
			0:26								
			0:07								
			0:13								
			1:19								
-87.3	86.5	5.0	1:42	(0.0)	(0.0)	RUN-16					
			0:33	0%	0%						
			0:29								
			0:46								
			2:07								
-92.3	91.5	5.0	0:57	(0.6)	(0.0)	RUN-17					
			0:42	12%	0%						
			0:18								
			0:35								
			0:39								
-97.3	96.5	5.0	0:20	(1.4)	(0.0)	RUN-18				101.5ft: few shell molds and casts	
			0:51	28%	0%						
			0:43								
			0:52								
			0:50								
-102.3	101.5	5.0	0:49	(1.4)	(0.0)						
			0:53	28%	0%						
			1:04								

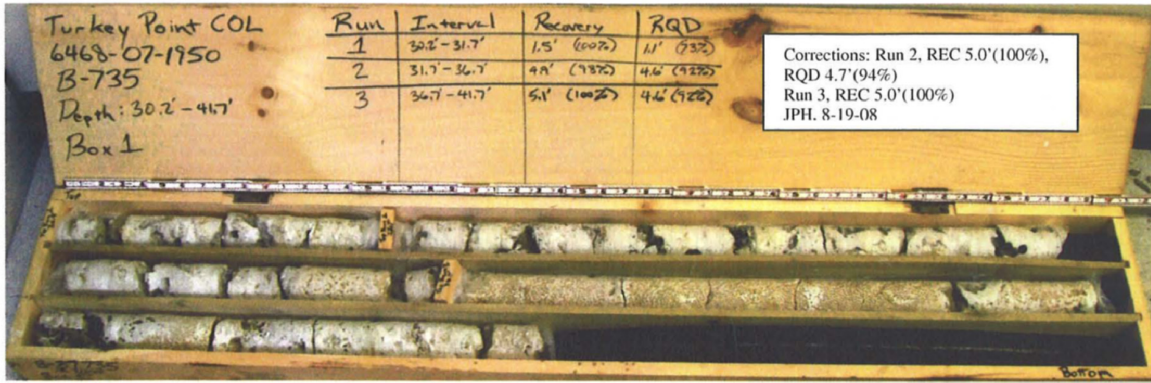
TURKEY POINT COL CORE, TURKEY POINT.GPJ TURKEY POINT COL.GDT 5/30/08



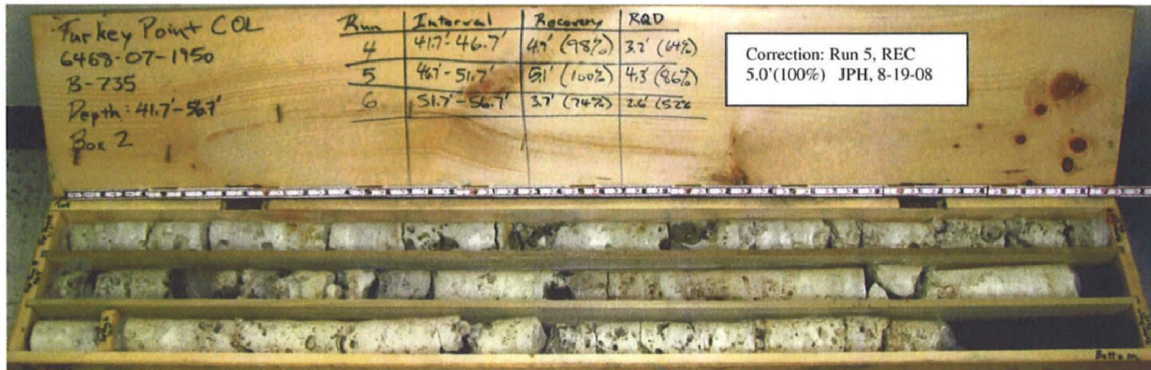
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				REC (ft) %	RQD (ft) %		REC (ft) %	RQD (ft) %		
										Continued from previous page
-107.3	106.5	5.0	1:15 0:40	(1.3)	(0.0)	RUN-19				LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous (Lower Fort Thompson Formation) (continued) 106.5ft: trace shell molds and casts
-112.3	111.5	5.0	0:11 0:57 0:36 1:09 1:05	(2.1)	(0.0)	RUN-20				111.5ft: little vugs
-117.3	116.5		0:30 0:34 0:33 0:34 0:35	(1.2)	(NA)		34%			POORLY GRADED SAND with silt (SP-SM), white (2.5Y8/1), medium dense, wet, strong HCl reaction, fine to coarse grained sand, cemented sand fragments, trace shell fragments (Tamiami Formation) Coring Terminated at Elevation -117.3

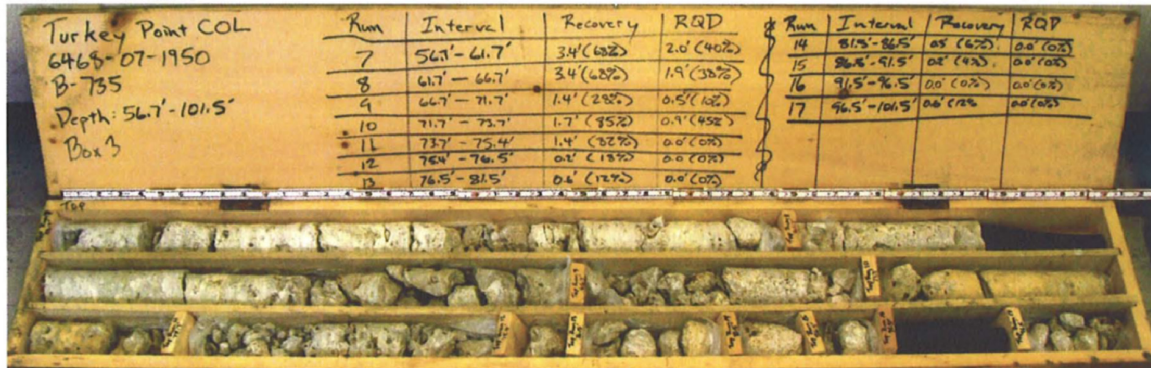
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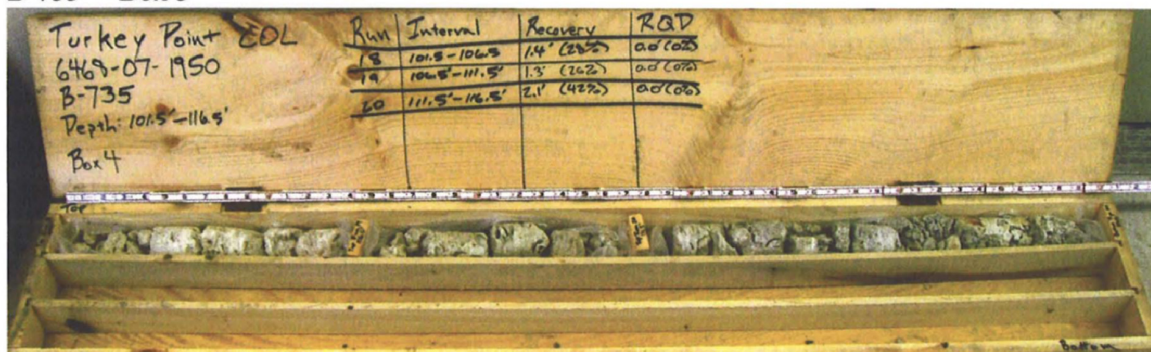
B-735 - Box 1



B-735 - Box 2



B-735 - Box 3



B-735 - Box 4