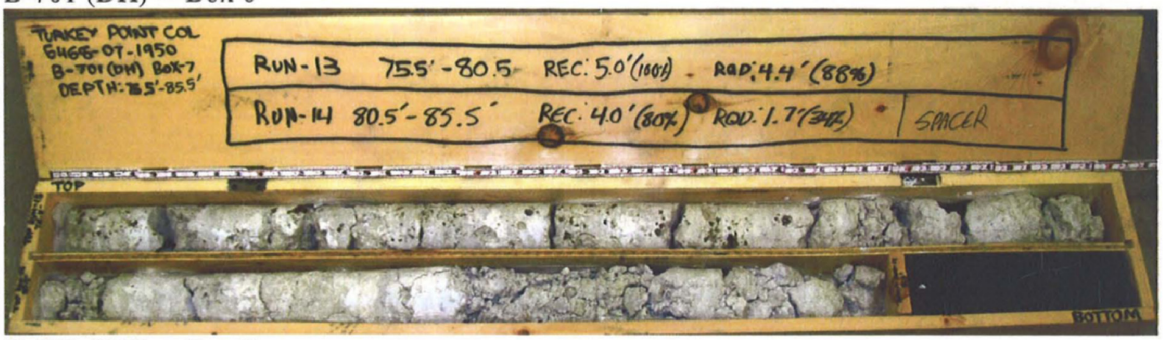
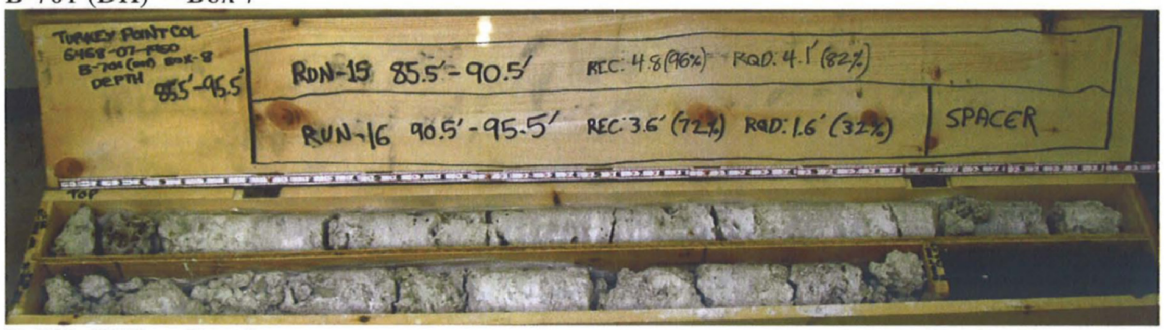
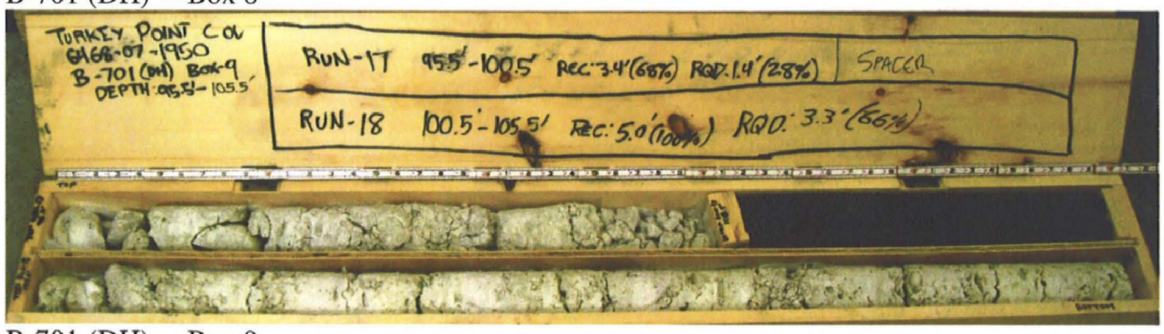
B-701 (DH) – Box 6



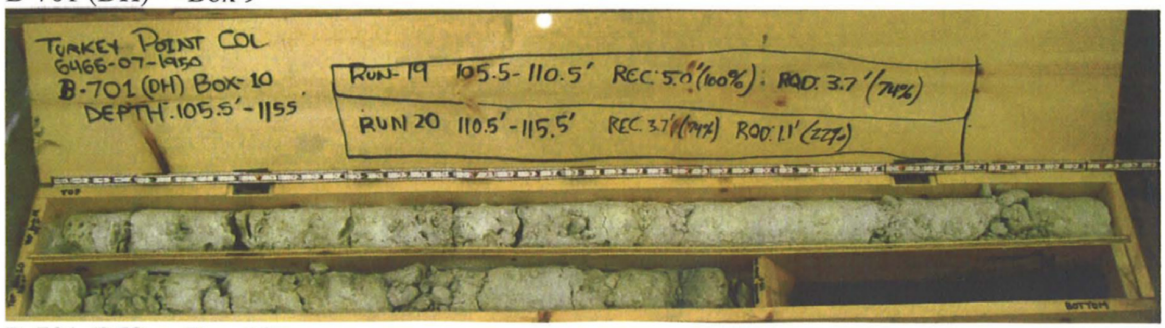
B-701 (DH) – Box 7



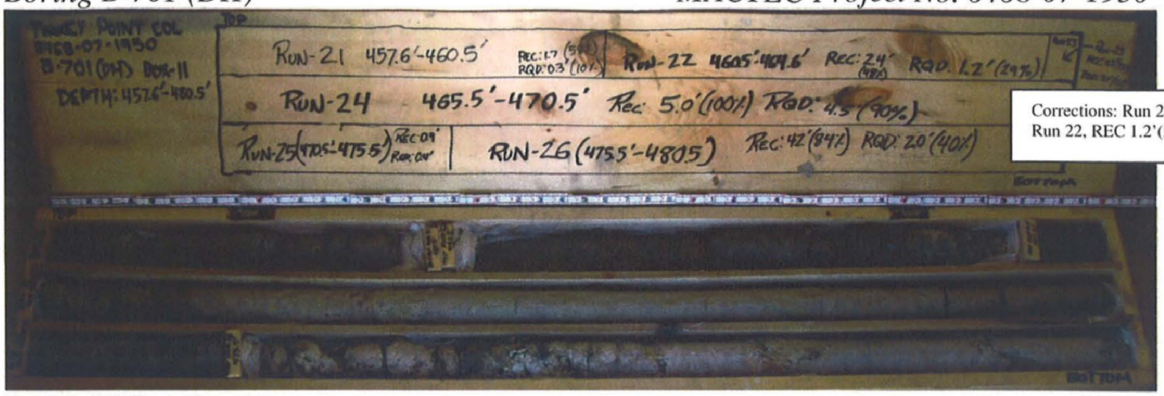
B-701 (DH) – Box 8



B-701 (DH) – Box 9

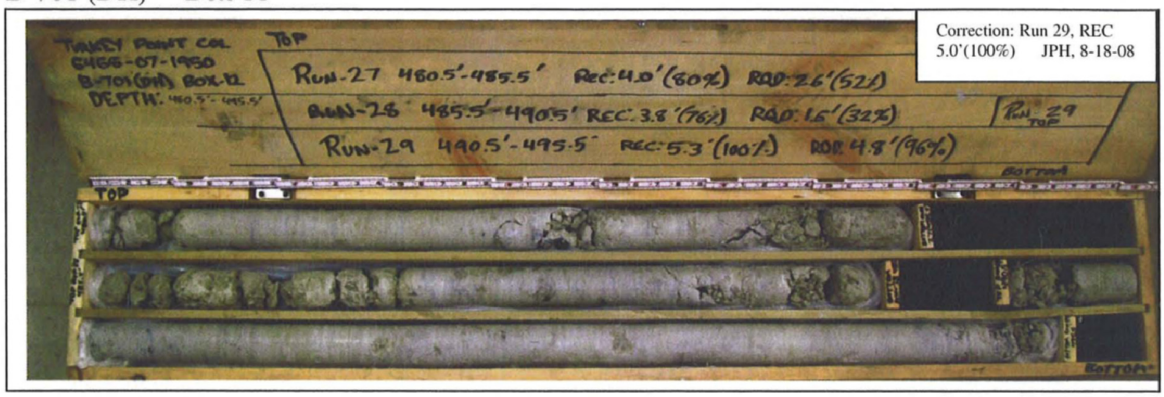


B-701 (DH) – Box 10



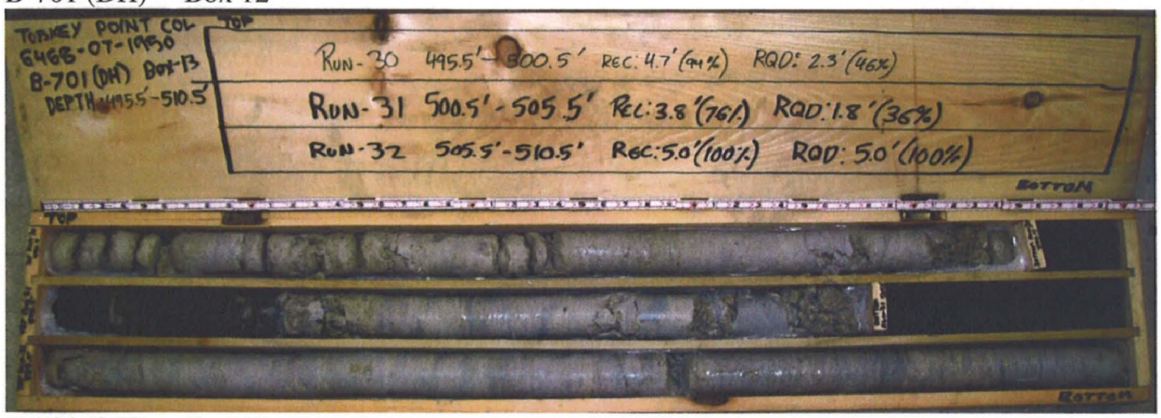
Corrections: Run 21, REC 1.7'(59%)
Run 22, REC 1.2'(59%) JPH 8-18-08

B-701 (DH) – Box 11

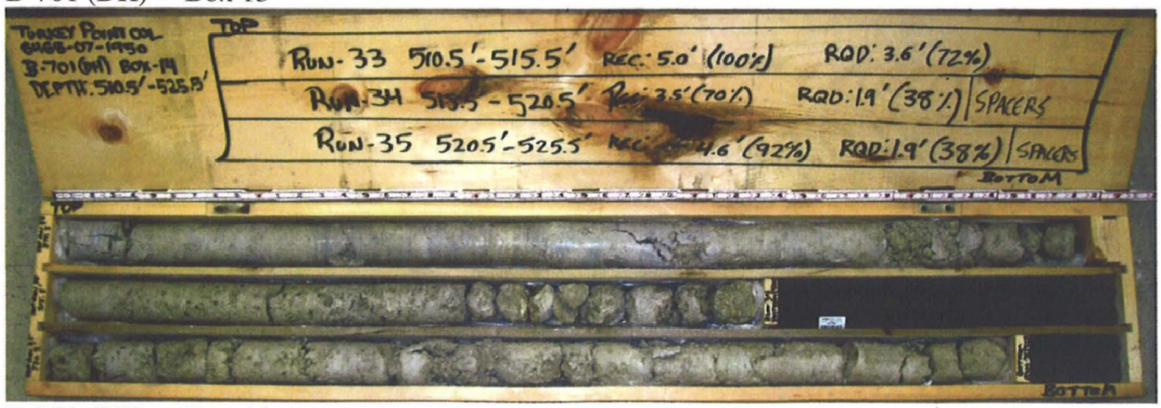


Correction: Run 29, REC
5.0'(100%) JPH, 8-18-08

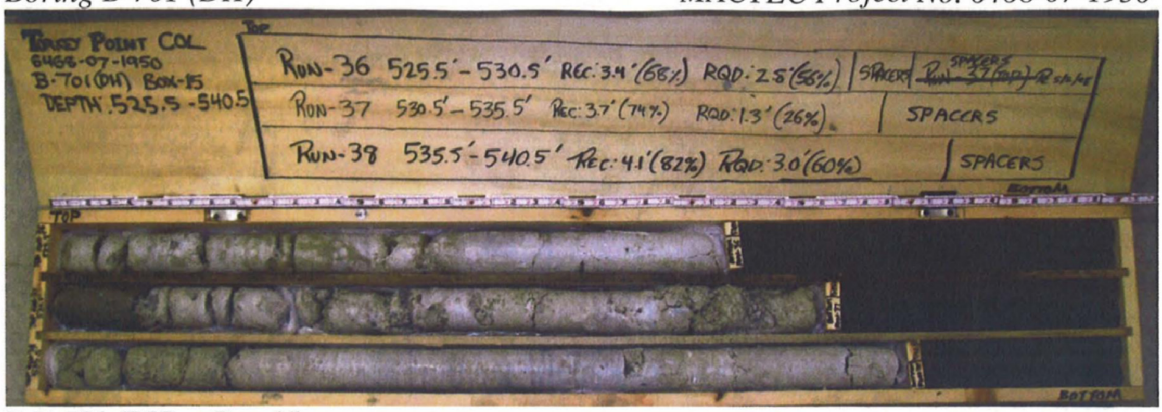
B-701 (DH) – Box 12



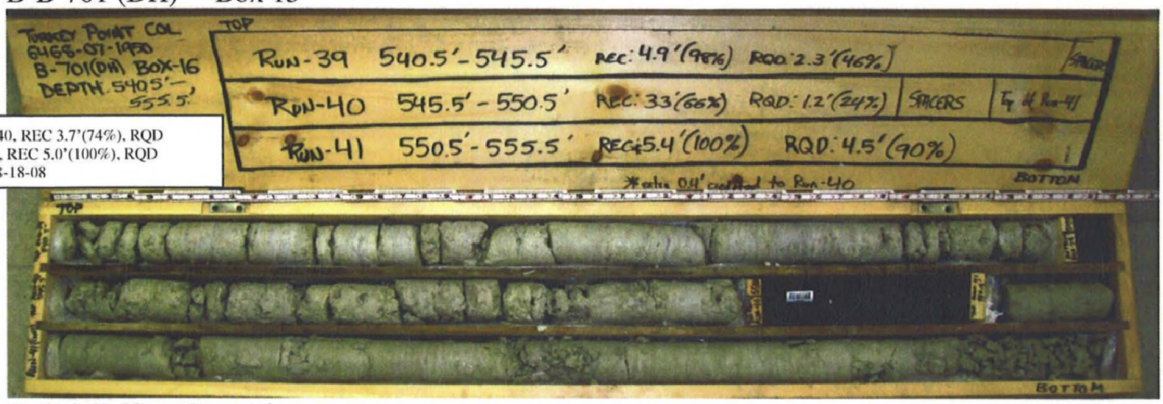
B-701 (DH) – Box 13



B-701 (DH) – Box 14

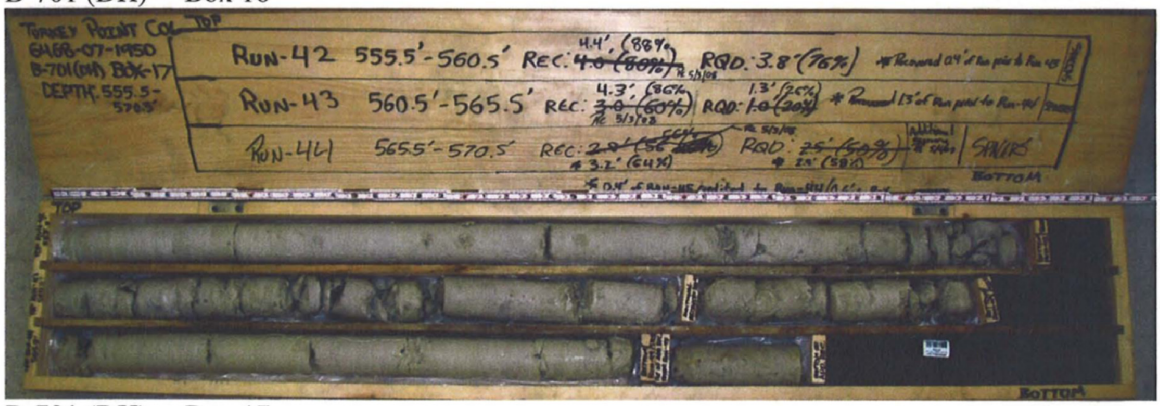


B-B-701 (DH) – Box 15

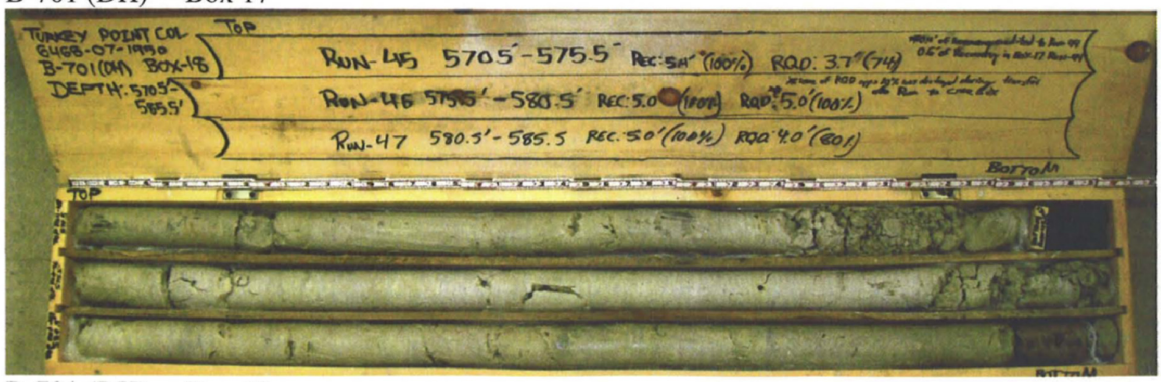


Corrections: Run 40, REC 3.7'(74%), RQD 1.6'(32%) Run 41, REC 5.0'(100%), RQD 4.1'(8.2%) JPH, 8-18-08

B-701 (DH) – Box 16

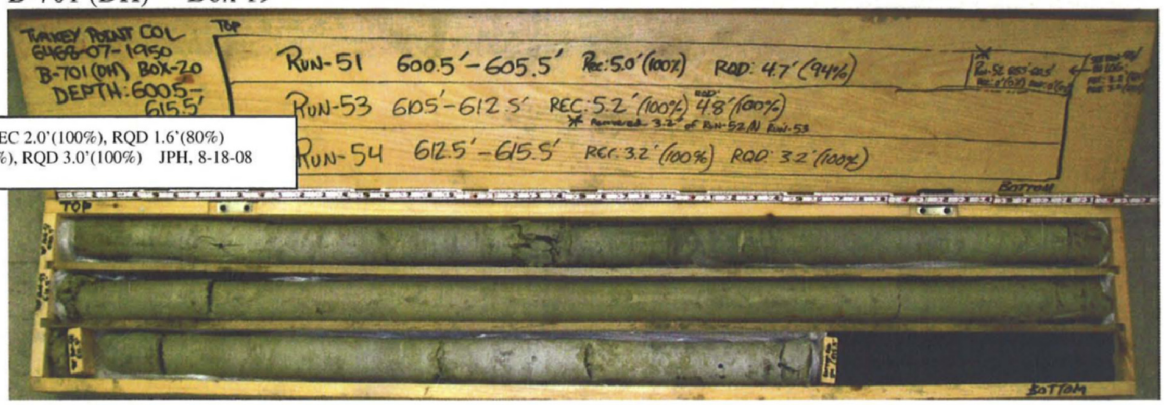


B-701 (DH) – Box 17



B-701 (DH) – Box 18

B-701 (DH) – Box 19



Corrections: Run 53, REC 2.0'(100%), RQD 1.6'(80%)
Run 54, REC 3.0'(100%), RQD 3.0'(100%) JPH, 8-18-08

B-701 (DH) – Box 20

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-702	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.2 ft (NAVD88)	NORTHING: 397,018 US ft (NAD83/90)	EASTING: 875,746 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 202.5 ft	BORING DIAMETER: 4" to 25.0', 3" to 202.5'	CASING DEPTH: 4" to 25.0', 3" to 122.9'	HAMMER (ID): 140 lb. Auto (M06)
DATE STARTED: 2/26/08	COMPLETED: 3/6/08	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
-1.2					Ground Surface				
-1.2	0.0	WOH	WOH	WOH	0 WOH	702-1			-1.2 / 0.0 MUCK, very dark grayish brown (10YR3/2), very soft, wet, strong HCl reaction, fibrous
-3.8	2.6	WOH	WOH	2	2	702-2A&B			-4.6 / 3.4
-6.3	5.1	4	5	3	8	702-3			-6.2 / 5.0 Clayey SAND (SC), light brownish gray (2.5Y/2), very loose, wet, fine to medium grained sand, strong HCl reaction, organics, little limestone fragments
-8.6	7.4	34	21	5	26	702-4			LIMESTONE, boundstone, pale yellow (2.5Y8/2), very soft, wet, strong HCl reaction, trace sand, fossiliferous, oolitic (Miami Formation)
-10.6	9.4	2	5	5	10	702-5			7.4ft: soft
-13.5	12.3	8	33	20	53	702-6			9.4ft: white (2.5Y8/1), very soft
-15.9	14.7	2	14	12	26	702-7			12.3ft: moderately hard 14.7ft: soft, trace clay
-22.2	21.0	1	1	3	4	702-8			21.0ft: very soft
-27.2	26.0	2	10	18	28	702-9			-26.2 / 25.0 LIMESTONE, boundstone, white (2.5Y8/1), soft, wet, strong HCl reaction, trace sand (Upper Fort Thompson Formation)
-32.2	31.0	5	10	11	21	702-10			-30.2 / 29.0 POORLY GRADED SAND with silt (SP-SM), light gray (5Y7/2), medium dense, wet, fine to coarse grained sand, fine gravel, few fines, strong HCl reaction, transitions to limestone at 35.8ft
-36.0	34.8								
-37.1	35.9	6	13	50/0.1	63/0.6	702-11			-37.0 / 35.8 Field notes do not indicate that 702-11 was split into separate jars
						RUN-1			35.9ft: Switch sample method to coring
-40.1	38.9					RUN-2			LIMESTONE, boundstone, white (2.5Y8/1), hard, extremely indurated, strong HCl reaction, coralline, few vugs 38.9ft: trace shell fragments, fossiliferous 42.0ft: loss of circulation
-45.1	43.9					RUN-3			43.9ft: light gray (10YR7/1) to 47.4ft
-50.1	48.9					RUN-4			-48.6 / 47.4 LIMESTONE, boundstone, white (2.5Y8/1), hard, extremely indurated, fossiliferous, some vugs, strong HCl reaction (Lower Fort Thompson Formation)
-55.1	53.9					RUN-5			53.9ft: medium hard to moderately hard, moderately indurated to indurated, trace vugs 54.0 to 55.0ft: soft zone
-60.1	58.9					RUN-6			58.9ft: moderately hard, moderately indurated, little vugs
-65.1	63.9					RUN-7			63.9ft: light gray (5Y7/1), hard, indurated, few vugs 65.0 to 69.0ft: soft zone
-70.1	68.9					RUN-8 702-CS-01 702-CS-02			68.9ft: white (2.5Y8/1), moderately hard, some vugs
-75.1	73.9					RUN-9			

SEE LEGEND FOR ROCK HARDNESS CRITERIA BASED ON SPT DATA

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