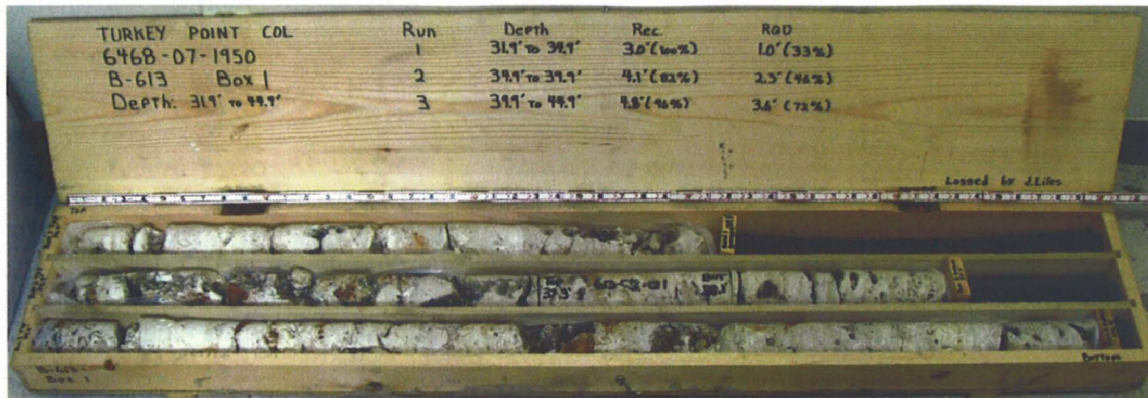
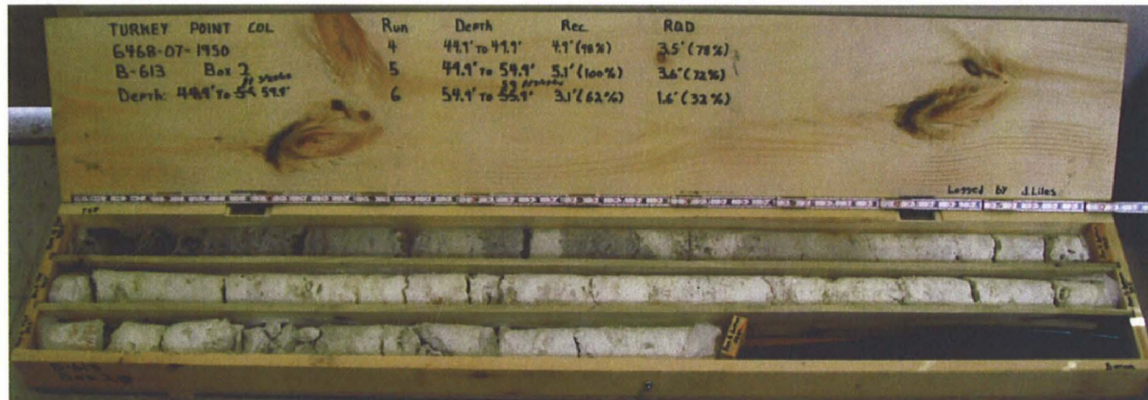
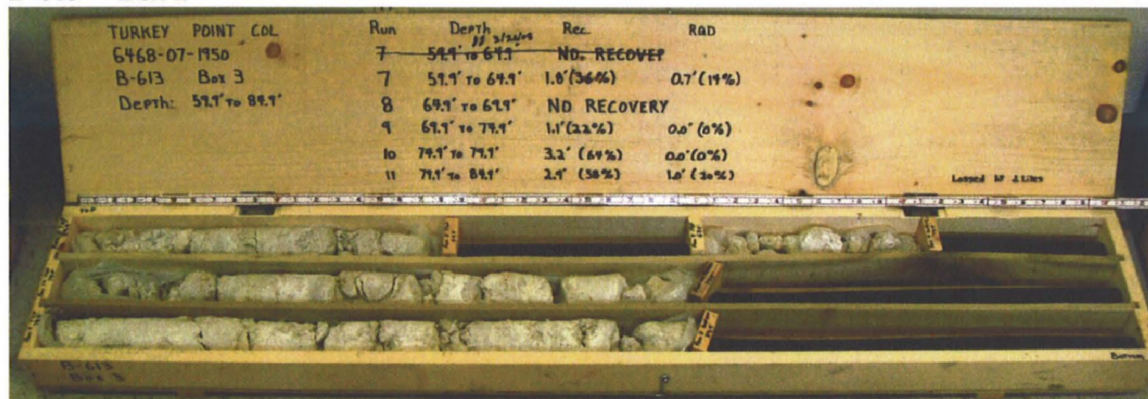




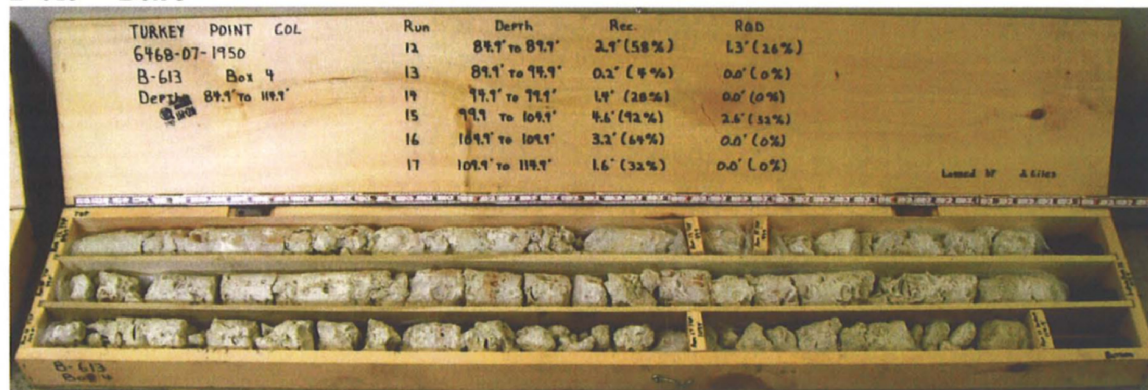
B-613 – Box 1



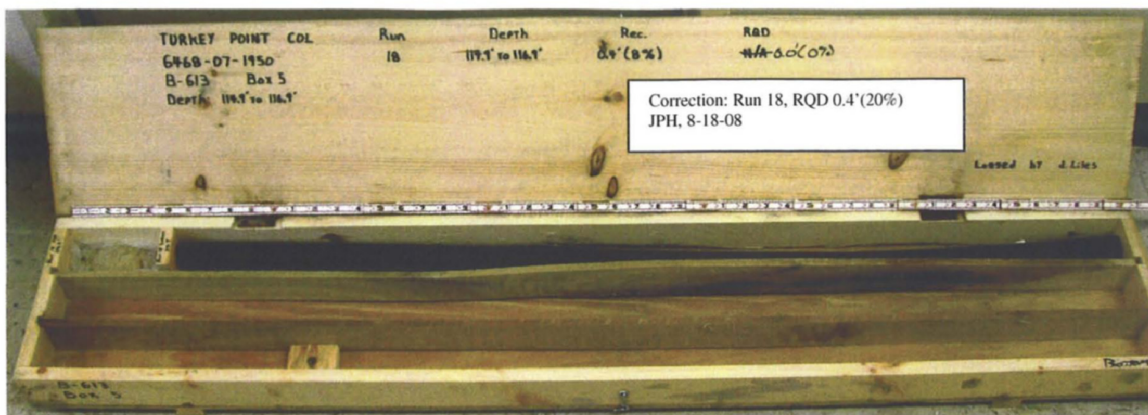
B-613 – Box 2



B-613 – Box 3



B-613 – Box 4



B-613 – Box 5



GEOTECHNICAL BORING LOG

Prepared By JPJ Date 5-30-08Checked By JM Date 5-30-08

SHEET 1 OF 2

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-614					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.5 ft (NAVD88)					NORTHING: 397,204 US ft (NAD83/90)					EASTING: 876,871 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 128.0 ft			BORING DIAMETER: 4" to 30.0', 3" to 128.0'					CASING DEPTH: 4" to 30.0', 3" to 116.4'					HAMMER (ID):140 lb. Auto (M06)				
DATE STARTED: 3/20/08			COMPLETED: 3/22/08			CORE SIZE: HQ3			BITS USED: 2 7/8" Roller Cone								
ELEV	DEPTH	BLOW COUNT			BLOWS PER FOOT						SAMP.	LOG	SOIL AND ROCK DESCRIPTION				
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	NO.						
-1.5					Ground Surface								-1.5	0.0			
-1.5	0.0	WOH	WOH	WOH	●						614-1			MUCK, black (2.5Y2.5/1), very soft, wet, fibrous, strong HCl reaction			
-4.3	2.8	WOH	3	23		26					614-2		-5.3	2.8ft: soft 3.8			
-6.6	5.1	7	10	8		18					614-3			LIMESTONE, boundstone, white (2.5Y8/1), soft, wet, strong HCl reaction, oolitic (Miami Formation)			
-9.0	7.5	57	9	5		14					614-4			7.5ft: very soft, fossiliferous			
-11.4	9.9	3	2	6	●	8					614-5			9.9ft: trace fine sand			
-14.0	12.5	4	3	6	●	9					614-6						
-16.1	14.6	7	30	25				55			614-7			14.6ft: moderately hard			
-23.7	22.2	3	6	2	●	8					614-8			22.2ft: very soft			
-28.5	27.0	4	33	7				40			614-9		-26.5	LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, strong HCl reaction (Upper Fort Thompson Formation) 25.0			
-33.5	32.0	50/0.4									614-10			32.0ft: hard			
-33.9	32.4											50/0.4	RUN-1			32.4ft: Switch sampling method to coring	
-37.9	36.4										RUN-2			32.4ft: white (2.5Y8/1), hard, indurated, strong HCl reaction, coralline			
											RUN-3			36.4ft: moderately hard, moderately indurated, few vugs			
-42.9	41.4																
-47.9	46.4										RUN-4			46.4ft: white (2.5Y8/1) to 48.1ft, then gray (10YR6/1) to 49.7 ft, indurated, fossiliferous, recrystallized calcite			
-52.9	51.4										RUN-5		-51.2	LIMESTONE, boundstone, white (2.5Y8/1), hard, moderately indurated to indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) 49.7			
											614-CS-02						
-57.9	56.4										RUN-6			56.4ft: moderately hard, moderately indurated, trace vugs			
-62.9	61.4																
											RUN-7			61.4ft: hard, indurated, trace shell molds and casts			
-67.9	66.4										RUN-8			66.4ft: few vugs			
-72.9	71.4										RUN-9			71.4ft: little vugs			

TURKEY POINT COL BORE TURKEY POINT GPJ TURKEY POINT COL GDT 53008



SHEET 2 OF 2

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-614		DRILL METHOD: Mud Rotary/ Core		SAMPLE METHODS: SPT/Core		0 HR. NA							
GROUND ELEV.: -1.5 ft (NAVD88)		NORTHING: 397,204 US ft (NAD83/90)		EASTING: 876,871 US ft (NAD83/90)		24 HR. NA							
TOTAL DEPTH: 128.0 ft		BORING DIAMETER: 4" to 30.0', 3" to 128.0'		CASING DEPTH: 4" to 30.0', 3" to 116.4'		HAMMER (ID): 140 lb. Auto (M06)							
DATE STARTED: 3/20/08		COMPLETED: 3/22/08		CORE SIZE: HQ3		BITS USED: 2 7/8" Roller Cone							
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100			
-76.3		Continued from previous page											
-77.9	76.4												LIMESTONE, boundstone, white (2.5Y8/1), hard, moderately indurated to indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued) 76.4ft: few vugs
-82.9	81.4												
-87.9	86.4												
-92.9	91.4												91.4ft: moderately hard, moderately indurated, little vugs
-97.9	96.4												96.4ft: sandy, few vugs, few shell molds and casts
-102.9	101.4												101.4ft: mostly vugs
-107.9	106.4												106.4ft: some vugs
-112.9	111.4												111.4ft: few vugs
-117.9	116.4	12	6	11									POORLY GRADED SAND (SP), light gray (2.5Y7/2), medium dense, wet, fine grained sand, strong HCl reaction, limestone fragments decreasing with depth (Tamiami Formation) 116.4ft: Switch sampling method to SPT
-128.0	126.5	6	6	6									Silty SAND (SM), greenish gray (10Y5/1), medium dense, wet, fine to medium grained sand, strong HCl reaction Boring Terminated at Elevation -129.5 ft

TURKEY POINT COL BORE: TURKEY POINT GPI TURKEY POINT COL GDT: 5/30/08



SHEET 1 OF 2

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-614				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.5 ft (NAVD88)				NORTHING: 397,204 US ft (NAD83/90)				EASTING: 876,871 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 128.0 ft				CASING DEPTH: 4" to 30.0', 3" to 116.4'						HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 3/20/08		COMPLETED: 3/22/08		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 @ 32.4 ft	
-33.9	32.4	4.0	0:58 0:49 0:56 1:28	(2.6) 65%	(0.0) 0%	RUN-1	(15.9) 92%	(10.0) 58%				LIMESTONE, boundstone, white (2.5Y8/1), medium hard, wet, strong HCl reaction (Upper Fort Thompson Formation) <i>(continued)</i> 32.4ft: white (2.5Y8/1), hard, indurated, strong HCl reaction, coralline	
-37.9	36.4	5.0	1:53 2:17 1:25 1:05 1:06	(5.0) 100%	(3.9) 78%	RUN-2						36.4ft: moderately hard, moderately indurated, few vugs	
-42.9	41.4	5.0	1:04 1:14 1:11 1:00 0:53	(5.0) 100%	(4.4) 88%	RUN-3							
-47.9	46.4	5.0	1:44 2:18 1:39 2:06 1:34	(5.0) 100%	(3.4) 68%	RUN-4						46.4ft: white (2.5Y8/1) to 48.1ft, then gray (10YR6/1) to 49.7 ft, indurated, fossiliferous, recrystallized calcite	
-52.9	51.4	5.0	2:27 2:04 1:07 1:29 1:05	(5.0) 100%	(4.5) 90%	RUN-5 614-CS-02	(49.1) 78%	(31.4) 50%	-51.2			LIMESTONE, boundstone, white (2.5Y8/1), hard, moderately indurated to indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)	
-57.9	56.4	5.0	0:45 0:37 0:36 0:43 1:04	(4.2) 84%	(1.5) 30%	RUN-6						56.4ft: moderately hard, moderately indurated, trace vugs	
-62.9	61.4	5.0	0:52 0:53 1:08 1:20 0:59	(4.4) 88%	(4.0) 80%	RUN-7						61.4ft: hard, indurated, trace shell molds and casts	
-67.9	66.4	5.0	0:49 0:43 0:52 1:13 0:24	(4.5) 90%	(3.4) 68%	RUN-8						66.4ft: few vugs	
-72.9	71.4	5.0	0:17 0:19 0:47 0:36 0:45	(2.4) 48%	(0.9) 18%	RUN-9						71.4ft: little vugs	
-77.9	76.4	5.0	1:32 0:43 0:17 1:12 1:10	(3.6) 72%	(2.8) 56%	RUN-10						76.4ft: few vugs	
-82.9	81.4	5.0	0:47 0:41 0:43 0:41 0:30	(3.6) 72%	(3.2) 64%	RUN-11 614-CS-04							
-87.9	86.4	5.0	0:21 0:27 0:46 1:58 1:16	(2.8) 56%	(1.4) 28%	RUN-12							
-92.9	91.4	5.0	0:54 0:42 0:41 0:34 0:22	(4.5) 90%	(2.0) 40%	RUN-13						91.4ft: moderately hard, moderately indurated, little vugs	
-97.9	96.4	5.0	0:17 0:21 0:18 0:15 0:34	(2.6) 52%	(0.4) 8%	RUN-14						96.4ft: sandy, few vugs, few shell molds and casts	
-102.9	101.4	5.0	0:23 0:12 0:18 0:24 0:23	(4.9) 98%	(4.0) 80%	RUN-15						101.4ft: mostly vugs	
-107.9	106.4												

TURKEY POINT COL CORE TURKEY POINT G/PJ TURKEY POINT COL GDT 5:30:08

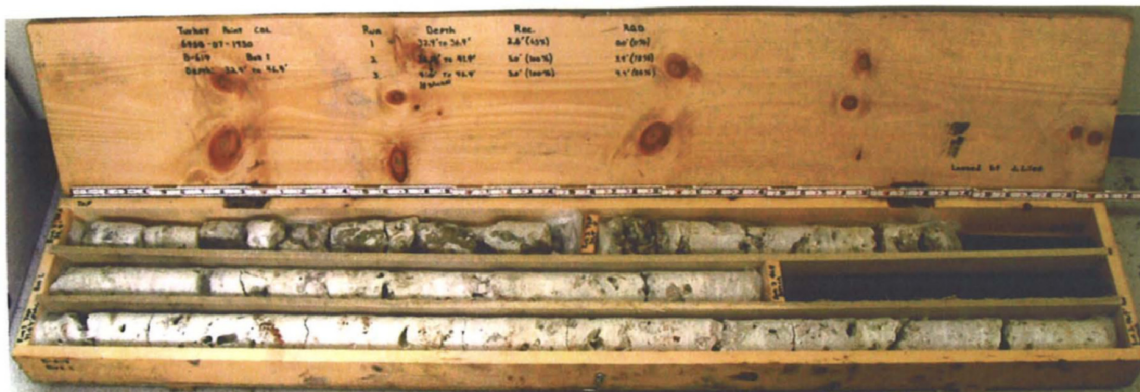


SHEET 2 OF 2

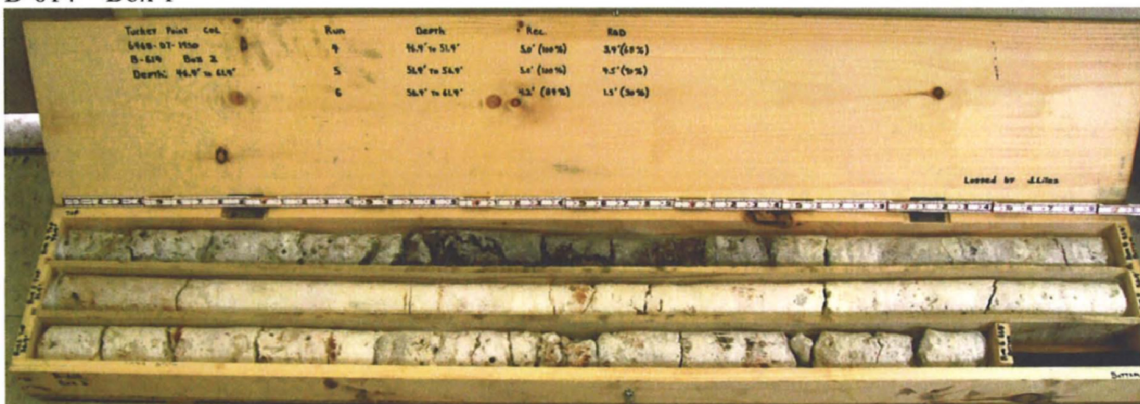
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: J. Liles
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (Miller)	DRILLER: R. White/ J. Dugger/ C. White	GROUND WATER (ft)
BORING NO.: B-614	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.5 ft (NAVD88)	NORTHING: 397,204 US ft (NAD83/90)	EASTING: 876,871 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 128.0 ft	CASING DEPTH: 4" to 30.0', 3" to 116.4'	HAMMER (ID): 140 lb. Auto (M06)	
DATE STARTED: 3/20/08	COMPLETED: 3/22/08	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) %	LOG	DESCRIPTION AND REMARKS
										Continued from previous page
-112.9	111.4	5.0	0:15 0:26 0:35 0:41 0:43	(3.5) 70%	(1.6) 32%	RUN-16				106.4ft. some vugs LIMESTONE, boundstone, white (2.5Y8/1), hard, moderately indurated to indurated, trace vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
		5.0	0:24 0:23 0:20 0:17 0:09	(1.4) 28%	(0.0) 0%	RUN-17	(0.0) 0%	(NA)		111.4ft: few vugs
-117.9	116.4									POORLY GRADED SAND (SP), light gray (2.5Y7/2), medium dense, wet, fine grained sand, strong HCl reaction, limestone fragments decreasing with depth (Tamiami Formation)
										Coring Terminated at Elevation -117.9

TURKEY POINT COL CORE TURKEY POINT.GPJ TURKEY POINT COL.GDT 5:30 08



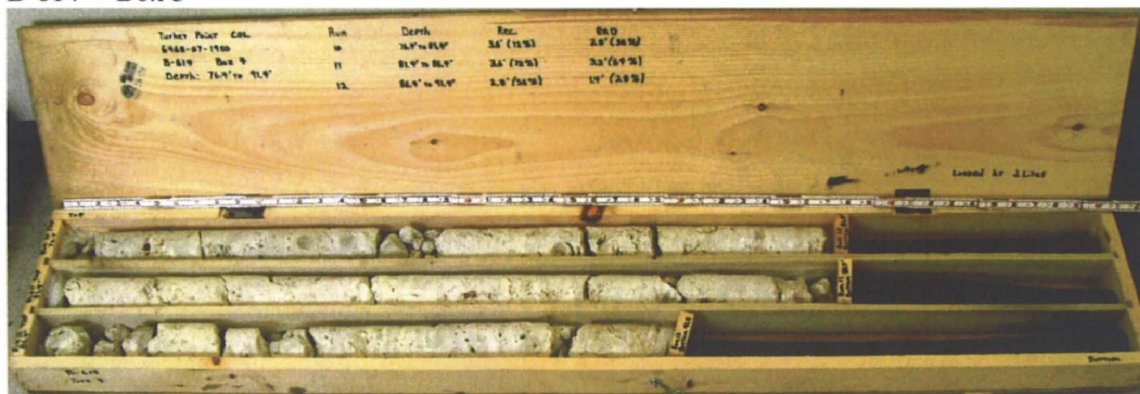
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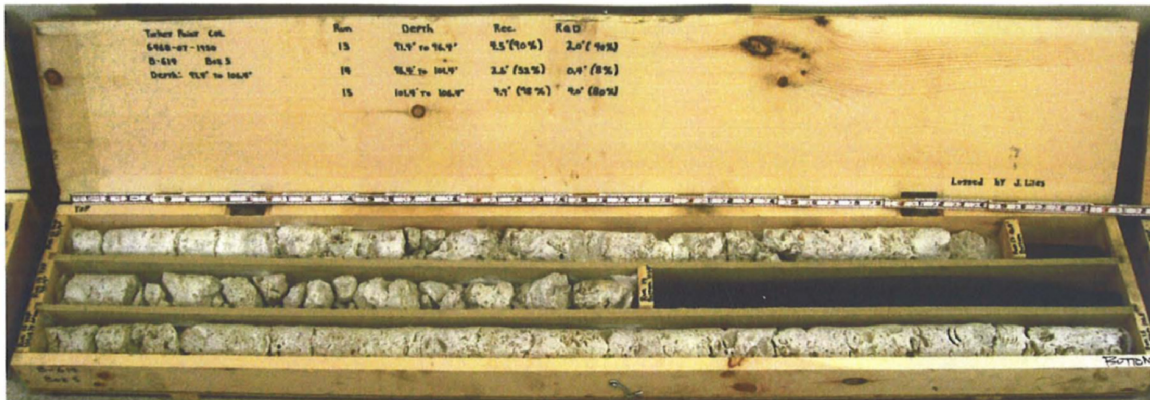
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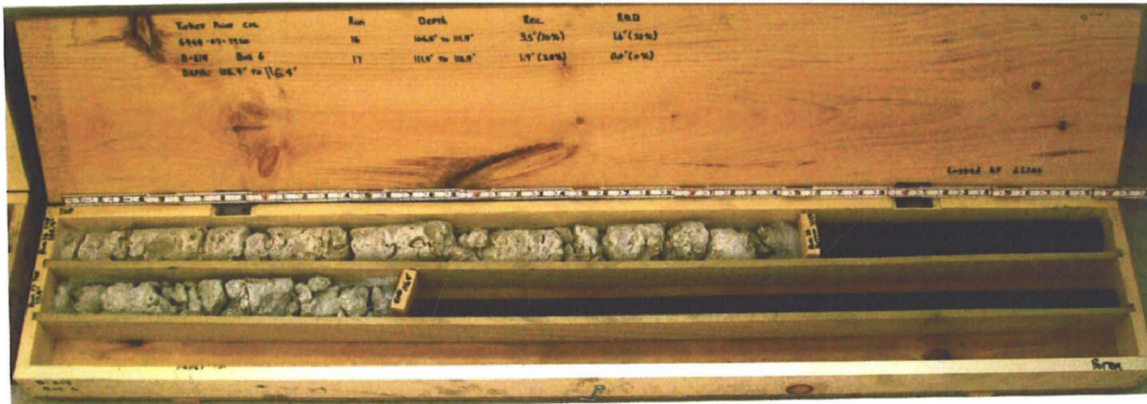
B-614 - Box 3



B-614 - Box 4



B-614 – Box 5



B-614 – Box 6