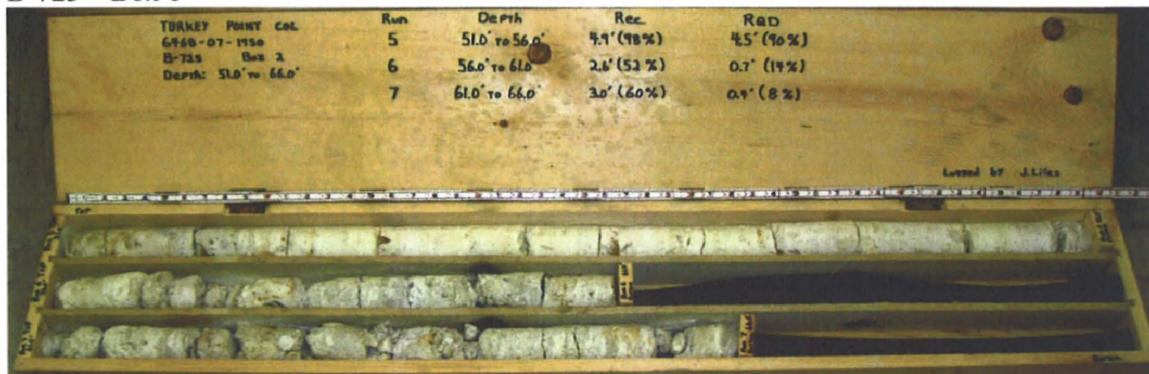
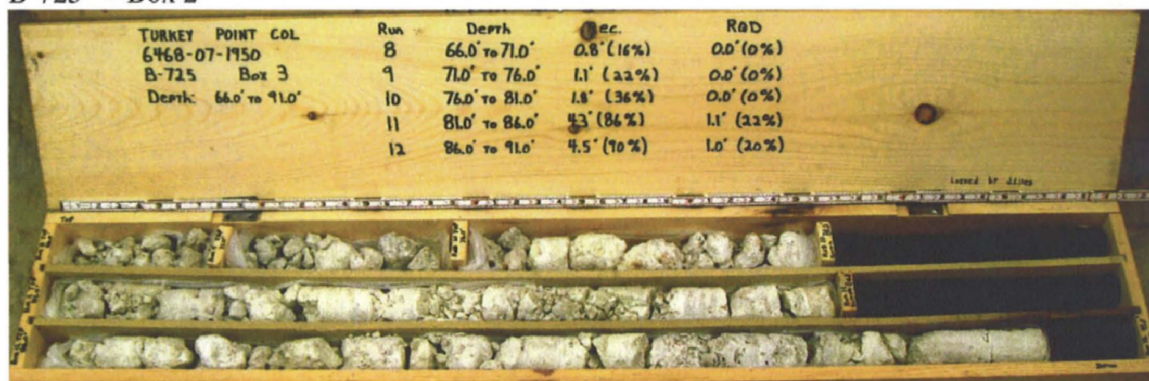




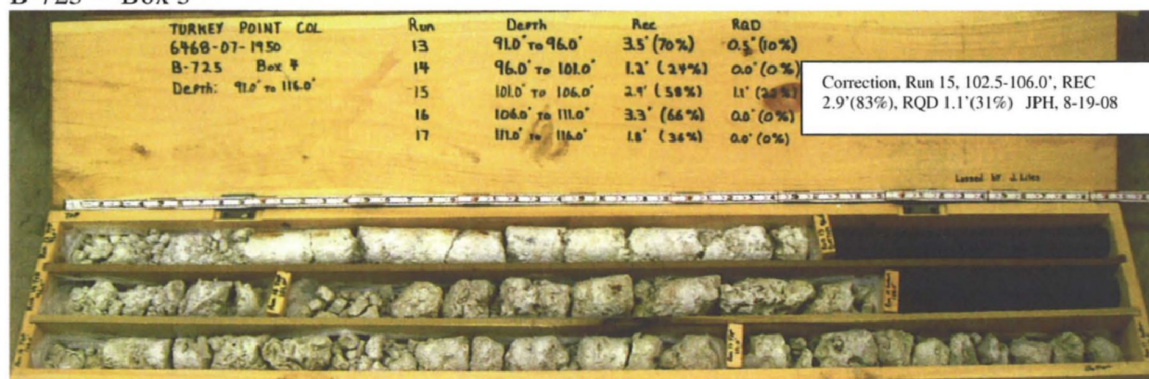
B-725 - Box 1



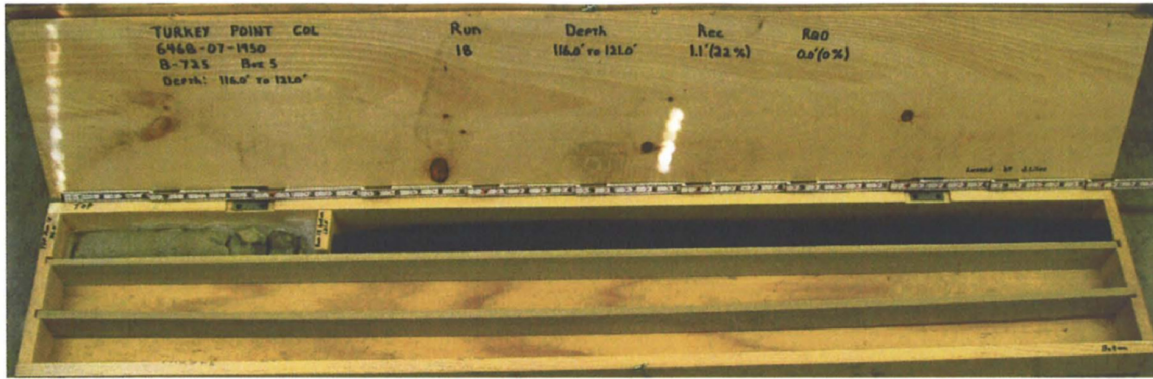
B-725 - Box 2



B-725 - Box 3



B-725 - Box 4



B-725 - Box 5



GEOTECHNICAL BORING LOG

Prepared By JPM Date 5-30-08Checked By JPM 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-726					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA			
GROUND ELEV.: -1.4 ft (NAVD88)					NORTHING: 396,876 US ft (NAD83/90)					EASTING: 876,004 US ft (NAD83/90)					24 HR. NA			
TOTAL DEPTH: 100.5 ft			BORING DIAMETER: 4" to 25.2', 3" to 100.5'					CASING DEPTH: 4" to 25.2'					HAMMER (ID): 140 lb. Auto (M06)					
DATE STARTED: 3/12/08			COMPLETED: 3/13/08			CORE SIZE: HQ3			BITS USED: 2 7/8" Roller Cone									
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	▼ MOI	L O G	SOIL AND ROCK DESCRIPTION				
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100								
-1.4					Ground Surface													
-1.4	0.0	WOH	WOH	WOH	●0						726-1			-1.4	0.0	MUCK, dark olive brown (2.5Y3/3), very soft, wet, strong HCl reaction		
-4.1	2.7				WOH									-4.7	3.3			
-6.3	4.9	WOH	14	14				●28			726-2A&B					LIMESTONE, boundstone, white (2.5Y8/1), soft, wet, trace sand, strong HCl reaction (Miami Formation)		
-8.7	7.3	9	8	9				●17			726-3					4.9ft: very soft, oolitic		
-11.3	9.9	8	6	3				●9			726-4							
-13.9	12.5	2	4	4				●8			726-5							
-16.4	15.0	9	10	8				●18			726-6							
		8	11	34					●45		726-7					15.0ft: medium dense		
-21.2	19.8	3	5	10				●15			726-8					19.8ft: very soft		
														-25.4	24.0			
-28.4	27.0	20	40	43						●83	726-9					LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation)		
-32.5	31.1															29.0ft: loss of circulation		
-33.9	32.5	5	9	50/0.4						59/0.9	726-10					32.5: Switch sampling method to coring		
-34.9	33.5										RUN-1					32.5ft: white (2.5Y8/1), hard, indurated, fossiliferous, strong HCl reaction, some vugs		
											RUN-2					33.5ft: little vugs, trace coralline		
-39.9	38.5																	
											RUN-3					38.5ft: trace recrystallized calcite, coralline		
-44.9	43.5																	
											RUN-4					43.5ft: white (2.5Y8/1) to 46.2ft, then light gray (10Y7/1) to 48.5ft, few vugs		
-49.9	48.5													-49.9	48.5			
											RUN-5					LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)		
-54.9	53.5																	
											RUN-6					53.5ft: trace vugs		
-59.9	58.5															56.0 to 73.0ft: possible sand interbeds as indicated by zones of fast drilling		
											RUN-7					58.5ft: sandy, possible interbedded sand layers based on rapid drill rates from 58.5ft to 60.0ft		
-64.9	63.5																	
											RUN-8					63.5ft: possible interbedded sand layers based on rapid drill rates and poor recovery		
-69.9	68.5																	
											RUN-9					68.5ft: possible interbedded sand layers based on rapid drill rates and poor recovery		
-74.9	73.5																	
											RUN-10							

TURKEY POINT COL BORE TURKEY POINT.GPJ 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-726			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA				
GROUND ELEV.: -1.4 ft (NAVD88)			NORTHING: 396,876 US ft (NAD83/90)			EASTING: 876,004 US ft (NAD83/90)			24 HR. NA				
TOTAL DEPTH: 100.5 ft			BORING DIAMETER: 4" to 25.2', 3" to 100.5'			CASING DEPTH: 4" to 25.2'			HAMMER (ID): 140 lb. Auto (M06)				
DATE STARTED: 3/12/08			COMPLETED: 3/13/08			CORE SIZE: HQ3			BITS USED: 2 7/8" Roller Cone				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	MOI		
-76.2					Continued from previous page								
-79.9	78.5									RUN-11			LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation) (continued)
-84.9	83.5									RUN-12			78.5ft: moderately hard to hard, moderately indurated to indurated
-89.9	88.5									RUN-13			83.5ft: moderately hard, moderately indurated
-94.9	93.5									RUN-14			88.5ft: moderately hard to hard, moderately indurated to indurated, some vugs
-99.9	98.5									RUN-15			93.5ft: moderately hard, moderately indurated
													-101.9
												Boring Terminated at Elevation -101.9 ft	100.5

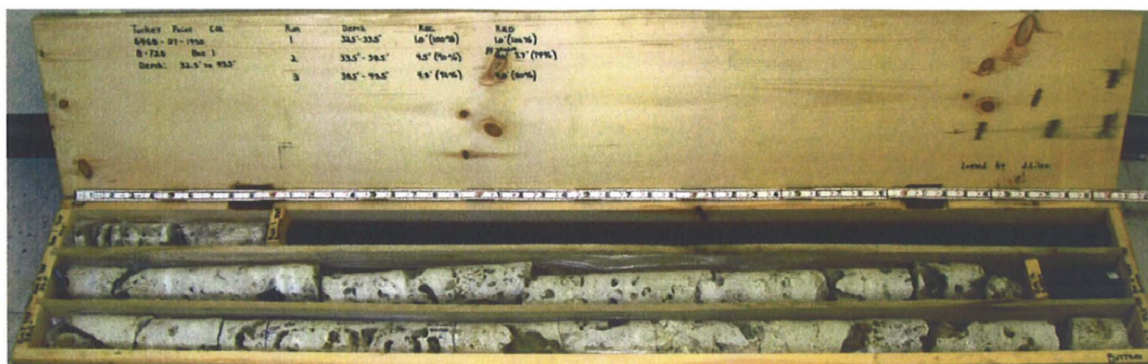
TURKEY POINT COL BORE TURKEY POINT GP TURKEY POINT COL GDT 530 08



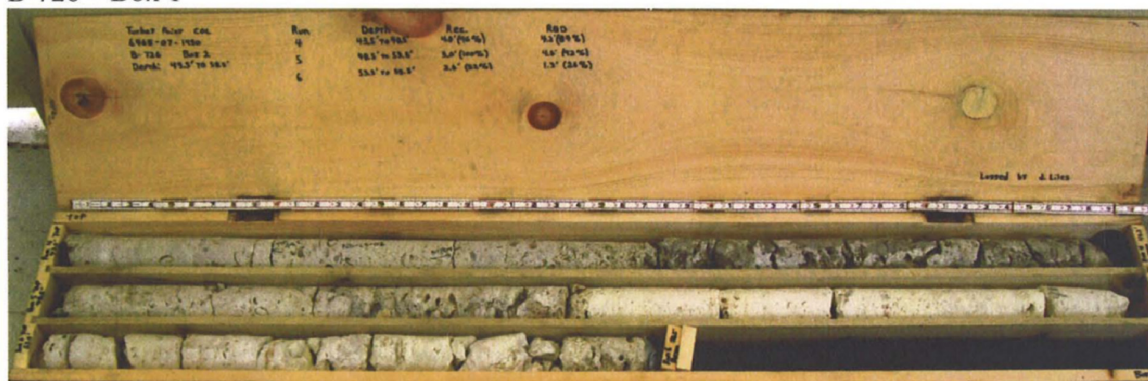
SHEET 1 OF 1

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-726				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 396,876 US ft (NAD83/90)				EASTING: 876,004 US ft (NAD83/90)		24 HR. NA			
TOTAL DEPTH: 100.5 ft				CASING DEPTH: 4" to 25.2'						HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 3/12/08		COMPLETED: 3/13/08		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) %		SAMP. NO.	STRATA REC. (ft) %		RQD (ft) %	L O G	DESCRIPTION AND REMARKS		
											Begin Coring @ 32.5 ft		
-33.9	32.5	1.0	0.31	(1.0)	(1.0)	RUN-1	(15.1)	(12.9)			LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) <i>(continued)</i>		
-34.9	33.5	5.0	0.42 0.51 0.35 0.45 0.40	100% (4.5) 90%	100% (3.7) 74%	RUN-2	94%	81%			32.5ft: white (2.5Y8/1), hard, indurated, fossiliferous, strong HCl reaction, some vugs 33.5ft: little vugs, trace coralline		
-39.9	38.5	5.0	1.11 1.17 0.48 0.58 0.46	(4.8) 96%	(4.0) 80%	RUN-3					38.5ft: trace recrystallized calcite, coralline		
-44.9	43.5	5.0	1.06 0.45 0.28 0.49 0.44	(4.8) 96%	(4.2) 84%	RUN-4					43.5ft: white (2.5Y8/1) to 46.2ft, then light gray (10Y7/1) to 48.5ft, few vugs		
-49.9	48.5	5.0	1.10 1.04 0.40 0.55 0.51	(5.0) 100%	(4.6) 92%	RUN-5	(32.6) 63%	(19.8) 38%			-49.9	48.5	
-54.9	53.5	5.0	0.46 1.08 0.23 0.01 0.31	(2.6) 52%	(1.3) 26%	RUN-6					LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, fossiliferous, strong HCl reaction (Lower Fort Thompson Formation)		
-59.9	58.5	5.0	0.05 0.39 0.53 1.15 1.20	(3.7) 74%	(3.2) 64%	RUN-7					53.5ft: trace vugs 56.0 to 73.0ft: possible sand interbeds as indicated by zones of fast drilling		
-64.9	63.5	5.0	0.32 0.07 0.05 0.06 0.10	(1.0) 20%	(0.4) 8%	RUN-8					58.5ft: sandy, possible interbedded sand layers based on rapid drill rates from 58.5ft to 60.0ft		
-69.9	68.5	5.0	0.38 0.56 1.04 0.44 0.19	(2.2) 44%	(1.4) 28%	RUN-9					63.5ft: possible interbedded sand layers based on rapid drill rates and poor recovery		
-74.9	73.5	5.0	1.25 1.03 1.06 1.02 0.55	(4.3) 86%	(3.0) 60%	RUN-10					68.5ft: possible interbedded sand layers based on rapid drill rates and poor recovery		
-79.9	78.5	5.0	1.09 0.13 0.09 0.17 0.36	(3.1) 62%	(1.5) 30%	RUN-11					73.5ft: moderately hard to hard, moderately indurated to indurated		
-84.9	83.5	5.0	0.37 0.08 0.28 0.54 1.34	(3.2) 64%	(1.2) 24%	RUN-12					78.5ft: moderately hard to hard, moderately indurated to indurated		
-89.9	88.5	5.0	1.00 0.34 0.25 0.22 0.17	(3.7) 74%	(1.8) 36%	RUN-13					83.5ft: moderately hard, moderately indurated		
-94.9	93.5	5.0	0.30 0.30 0.23 0.22 0.08	(2.3) 46%	(1.4) 28%	RUN-14					88.5ft: moderately hard to hard, moderately indurated to indurated, some vugs		
-99.9	98.5	5.0	0.28 0.25	(1.5) 75%	(0.0) 0%	RUN-15					93.5ft: moderately hard, moderately indurated		
-101.9	100.5	2.0	0.28 0.25	(1.5) 75%	(0.0) 0%	RUN-15					-101.9	100.5	
Coring Terminated at Elevation -101.9													

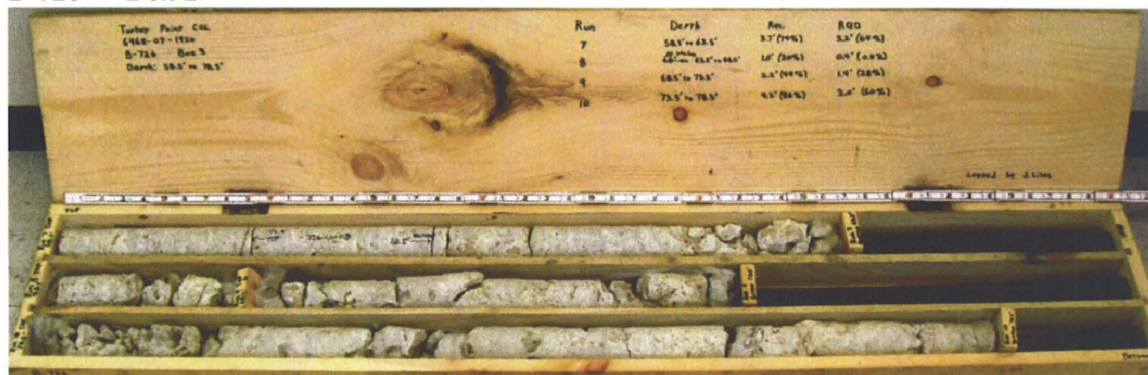
TURKEY POINT COL CORE, TURKEY POINT GPJ, TURKEY POINT COL GDT, 5/30/08



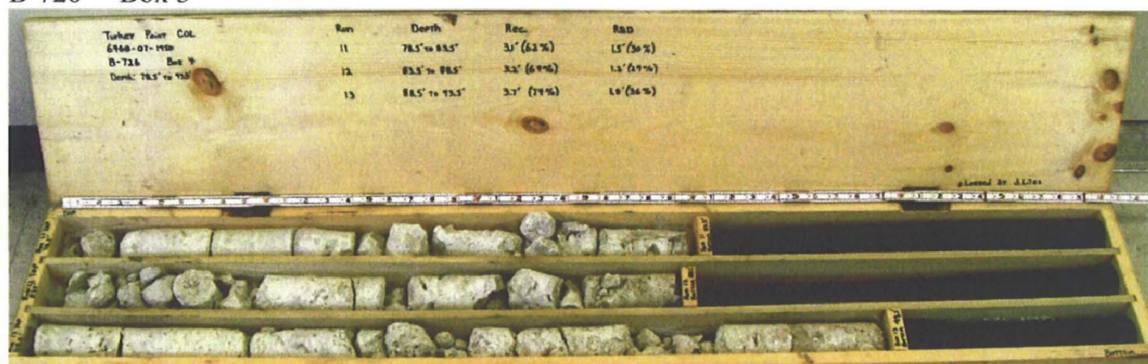
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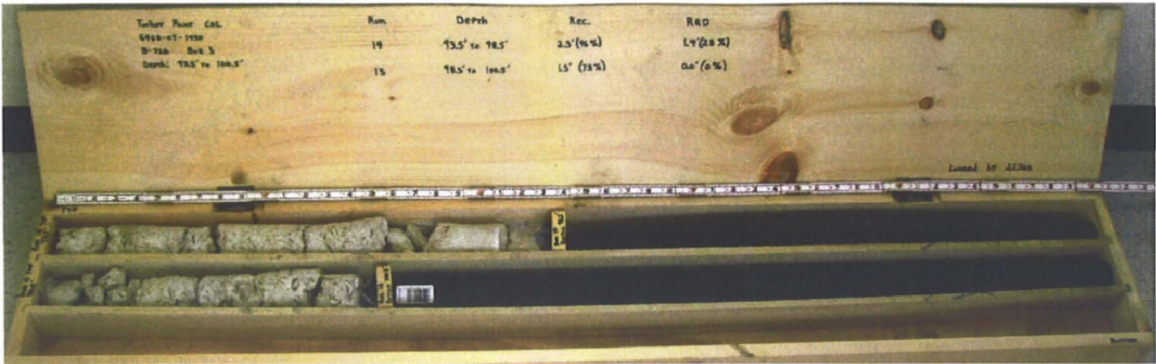
B-726 – Box 2



B-726 – Box 3



B-726 – Box 4



B-726 – Box 5



GEOTECHNICAL BORING LOG

Prepared By 227 Date 5-30-08Checked By MM 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-727				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA				
GROUND ELEV.: -1.3 ft (NAVD88)				NORTHING: 397,118 US ft (NAD83/90)				EASTING: 875,666 US ft (NAD83/90)				24 HR. NA				
TOTAL DEPTH: 100.9 ft				BORING DIAMETER: 4" to 25.2', 3" to 100.9'				CASING DEPTH: 4" to 35.0'				HAMMER (ID): 140 lb. Auto (M06)				
DATE STARTED: 4/3/08				COMPLETED: 4/4/08				CORE SIZE: HQ3				BITS USED: 2 7/8" Roller Cone				
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	MOI					
-1.3					Ground Surface											
-1.3	0.0	WOH	WOH	WOH	0								-1.3		0.0	MUCK, black (2.5Y2.5/1), very soft, wet, strong HCl reaction, fibrous
-4.2	2.9				1								-5.3		4.0	
-6.9	5.6	WOH	WOH	1												LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, some fine grained sand, strong HCl reaction, oolitic (Miami Formation)
-8.8	7.5				4											
				1												7.5ft: few sand
-11.1	9.8	3	6	3	9											
-13.5	12.2	3	5	5	10											12.2ft: soft
-16.3	15.0	4	11	9	20											
		5	13	42	55											15.0ft: moderately hard
-22.8	21.5															
		6	6	4	10											21.5ft: very soft, some sand
-28.0	26.7															
		4	15	35	50											26.7ft: moderately hard, fine to medium grained sand
-32.4	31.1															
		3	8	20	28											31.1ft: soft, little fine grained sand
-38.0	36.7															
-38.2	36.9	50/0.2														LIMESTONE, boundstone, white (2.5Y8/1), hard, strong HCl reaction (Upper Fort Thompson Formation)
-39.2	37.9															
																36.9ft: Switch sampling method to coring
-44.2	42.9															
																37.9ft: moderately hard, moderately indurated, little vugs, recrystallized calcite, coralline
-49.2	47.9															
																42.9ft: white (2.5Y8/1) grading to gray (2.5Y6/1), few vugs
-54.2	52.9															
																47.9ft: gray (2.5Y6/1) to 48.9ft
-59.2	57.9															
																LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation)
-64.2	62.9															
																52.9ft: moderately hard to hard, moderately indurated to indurated, few vugs
-69.2	67.9															
																57.9ft: moderately hard, moderately indurated, trace sand
-74.2	72.9															
																62.9ft: medium hard to moderately hard, friable to moderately indurated, few to little sand
																67.9ft: moderately hard, moderately indurated
																72.9ft: soft to moderately hard, friable to

TURKEY POINT COL BORE TURKEY POINT GPJ 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-727			DRILL METHOD: Mud Rotary/ Core			SAMPLE METHODS: SPT/Core			0 HR. NA						
GROUND ELEV.: -1.3 ft (NAVD88)			NORTHING: 397,118 US ft (NAD83/90)			EASTING: 875,666 US ft (NAD83/90)			24 HR. NA						
TOTAL DEPTH: 100.9 ft			BORING DIAMETER: 4" to 25.2", 3" to 100.9'			CASING DEPTH: 4" to 35.0'			HAMMER (ID): 140 lb. Auto (M06)						
DATE STARTED: 4/3/08			COMPLETED: 4/4/08			CORE SIZE: HQ3			BITS USED: 2 7/8" Roller Cone						
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100	MOI				
-76.1					Continued from previous page										
-79.2	77.9									RUN-10			moderately indurated, possible interbedded sand layers based on recovery and drill rates Limestone, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation) (continued) 77.9ft: medium hard to moderately hard, friable to moderately indurated, few to little fine grained sand 87.9ft: moderately hard to hard, moderately indurated to indurated, trace vugs, trace to few sand 92.9ft: moderately hard, moderately indurated 97.9ft: medium hard to moderately hard, friable to moderately indurated		
-84.2	82.9									RUN-11					
-89.2	87.9									RUN-12					
-94.2	92.9									RUN-13					
-99.2	97.9									RUN-14					
													-102.2	100.9	Boring Terminated at Elevation -102.2 ft

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



SHEET 1 OF 1

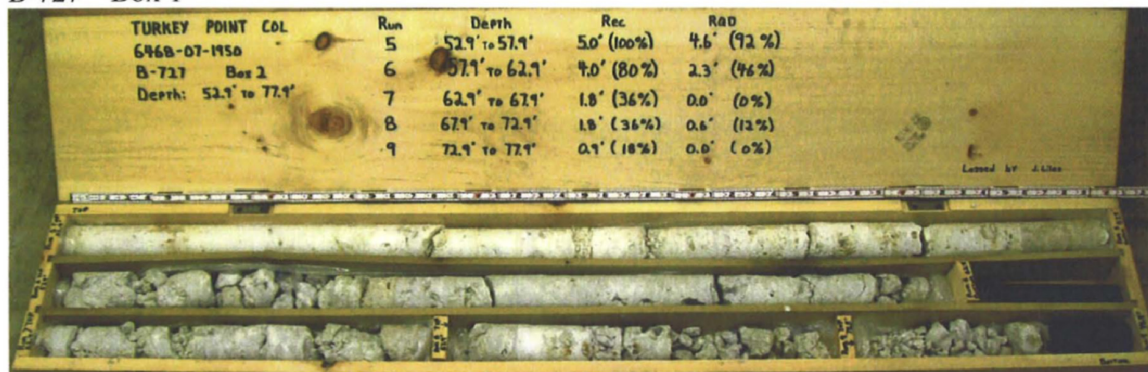
BECHTEL PROJECT NO.: 25409	MACTEC PROJECT NO.: 6468-07-1950	COUNTY: Miami-Dade	GEOLOGIST: J. Liles
SITE DESCRIPTION: Turkey Point COL	DRILL MACHINE: CME-550 (Miller)	DRILLER: R. White/ J. Dugger/ C. White	GROUND WATER (ft)
BORING NO.: B-727	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.3 ft (NAVD88)	NORTHING: 397,118 US ft (NAD83/90)	EASTING: 875,666 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 100.9 ft	CASING DEPTH: 4" to 35.0'	HAMMER (ID): 140 lb. Auto (M06)	
DATE STARTED: 4/3/08	COMPLETED: 4/4/08	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.	STRATA REC (ft) %	RQD (ft) %	L O G	DESCRIPTION AND REMARKS
										Begin Coring @ 36.9 ft
-38.2	36.9	1.0	0:55	(0.0)	(0.0)	RUN-1	(7.6)	(5.5)		LIMESTONE, boundstone, white (2.5Y8/1), hard, strong HCl reaction (Upper Fort Thompson Formation) (continued)
-39.2	37.9	5.0	0:54	0%	0%	RUN-2	63%	46%		37.9ft: moderately hard, moderately indurated, little vugs, recrystallized calcite, coralline
			0:48	(3.7)	(3.0)					
			0:56	74%	60%					
			0:49							
-44.2	42.9		0:55							42.9ft: white (2.5Y8/1) grading to gray (2.5Y6/1), few vugs
		5.0	0:47	(2.9)	(1.7)	RUN-3				
			0:17	58%	34%					
			0:49							
-49.2	47.9		0:53							
			0:57							
		5.0	1:04	(5.0)	(4.8)	RUN-4				47.9ft: gray (2.5Y6/1) to 48.9ft
			0:59	100%	96%		(33.1)	(18.3)		
			0:56				64%	35%		LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, trace vugs, strong HCl reaction, fossiliferous, trace shell molds and casts (Lower Fort Thompson Formation)
-54.2	52.9		0:58							52.9ft: moderately hard to hard, moderately indurated to indurated, few vugs
		5.0	1:01							
			0:56	(5.0)	(4.6)	RUN-5				
			0:57	100%	92%					
			0:47							
-59.2	57.9		1:02							57.9ft: moderately hard, moderately indurated, trace sand
		5.0	0:48	(4.0)	(2.3)	RUN-6				
			0:43	80%	46%					
			0:54							
-64.2	62.9		0:43							
			0:31							
		5.0	0:24	(1.8)	(0.0)	RUN-7				62.9ft: medium hard to moderately hard, friable to moderately indurated, few to little sand
			0:29	36%	0%					
			0:24							
-69.2	67.9		0:20							
			0:30							
		5.0	1:01	(1.8)	(0.6)	RUN-8				67.9ft: moderately hard, moderately indurated
			0:32	36%	12%					
			0:36							
-74.2	72.9		0:54							
			0:47							
		5.0	0:35	(0.9)	(0.0)	RUN-9				72.9ft: soft to moderately hard, friable to moderately indurated, possible interbedded sand layers based on recovery and drill rates
			0:12	18%	0%					
			0:07							
-79.2	77.9		0:05							
			0:23							
		5.0	0:41	(2.7)	(0.0)	RUN-10				77.9ft: medium hard to moderately hard, friable to moderately indurated, few to little fine grained sand
			0:45	54%	0%					
			0:40							
-84.2	82.9		0:54							
			0:56							
		5.0	1:51	(3.3)	(2.5)	RUN-11				
			0:37	66%	50%					
			0:10							
-89.2	87.9		0:23							
			0:45							
		5.0	1:04	(3.7)	(1.9)	RUN-12				87.9ft: moderately hard to hard, moderately indurated to indurated, trace vugs, trace to few sand
			0:52	74%	38%					
			0:54							
-94.2	92.9		0:37							
			0:37							
		5.0	0:39	(3.8)	(2.4)	RUN-13				92.9ft: moderately hard, moderately indurated
			0:22	76%	48%					
			0:31							
-99.2	97.9		0:38							
			0:23							
		3.0	0:07	(2.1)	(0.0)	RUN-14				97.9ft: medium hard to moderately hard, friable to moderately indurated
			0:11	70%	0%					
-102.2	100.9		0:40							
										Coring Terminated at Elevation -102.2

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 5.30.08



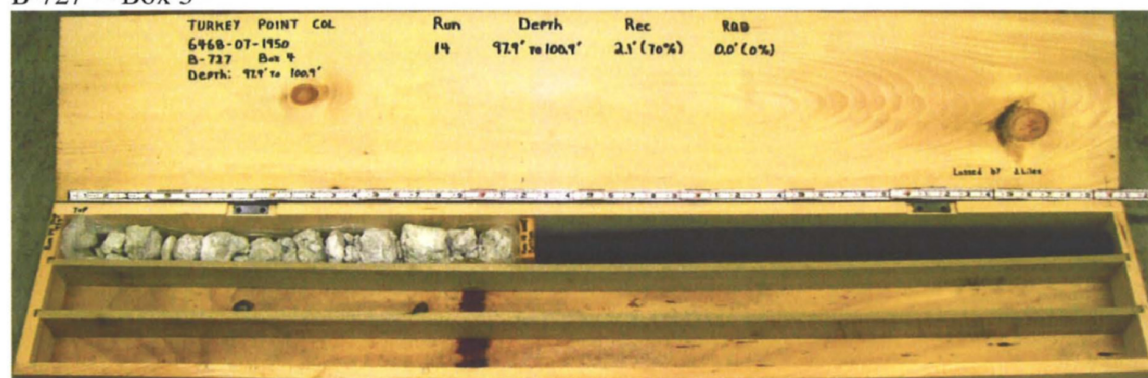
B-727 - Box 1



B-727 - Box 2



B-727 - Box 3



B-727 - Box 4



GEOTECHNICAL BORING LOG

Prepared By JPJ Date 5-30-08Checked By JPJ 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-728					DRILL METHOD: Mud Rotary/ Core					SAMPLE METHODS: SPT/Core					0 HR. NA		
GROUND ELEV.: -1.4 ft (NAVD88)					NORTHING: 397,071 US ft (NAD83/90)					EASTING: 875,620 US ft (NAD83/90)					24 HR. NA		
TOTAL DEPTH: 126.6 ft			BORING DIAMETER: 4" to 25.0', 3" to 126.6'					CASING DEPTH: 4" to 25.0', 3" to 113.5'					HAMMER (ID):140 lb. Auto (M06)				
DATE STARTED: 4/5/08			COMPLETED: 4/1/08			CORE SIZE: HQ3			BITS USED: 2 7/8" Roller Cone								
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT						SAMP. NO.	▼ MOI	L O G	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80	100							
-1.4					Ground Surface										-1.4	0.0	
-1.4	0.0	WOH	WOH	WOH	●						728-1				MUCK, black (2.5Y2.5/1), very soft, wet, strong HCl reaction		
-3.8	2.4				●						728-2A&B						
		WOH	1	4											-4.5	3.1	
-6.4	5.0				●						728-3				LIMESTONE, boundstone, white (2.5Y8/1), very soft, wet, strong HCl reaction, little fine grained sand, oolitic (Miami Formation)		
-8.9	7.5	4	7	6	●						728-4						
		6	6	6	●												
-11.3	9.9	4	5	11	●						728-5				9.9ft: trace sand		
-13.5	12.1	9	15	12	●						728-6				12.1ft: soft		
-16.2	14.8	4	5	17	●						728-7						
					●												
-22.8	21.4	6	8	5	●						728-8				21.4ft: very soft		
															23.7ft: Switch sampling method to coring		
-27.9	26.5																
-28.7	27.3	12	50/0.3								728-9				LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation)		
-30.7	29.3										RUN-1				23.7ft: moderately hard, moderately indurated, trace fine sand		
															29.3ft: hard, indurated, few vugs, coralline		
											RUN-2						
-35.7	34.3																
											RUN-3				34.3ft: recrystallized calcite		
-40.7	39.3																
											RUN-4				39.3ft: trace vugs		
-45.7	44.3																
											RUN-5				44.3ft: fossiliferous		
-50.7	49.3																
											RUN-6				49.3ft: white (2.5Y8/1) to 49.9ft, then gray (10YR5/1) to 51.0ft		
-55.7	54.3														LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation)		
											RUN-7				54.3ft: moderately hard to hard, moderately indurated to indurated, trace vugs		
-60.7	59.3														59.3ft: medium hard to moderately hard, friable to moderately indurated, few vugs, trace sand		
											RUN-8						
-65.7	64.3																
											RUN-9				64.3ft: trace vugs, little fine grained sand		
-70.7	69.3																
-72.2	70.8										RUN-10				69.3ft: hard, indurated		
											RUN-11				70.8ft: moderately hard, moderately indurated, trace sand		

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

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

DCN# TUR512



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-728				DRILL METHOD: Mud Rotary/ Core				SAMPLE METHODS: SPT/Core				0 HR. NA	
GROUND ELEV.: -1.4 ft (NAVD88)				NORTHING: 397,071 US ft (NAD83/90)				EASTING: 875,620 US ft (NAD83/90)				24 HR. NA	
TOTAL DEPTH: 126.6 ft				CASING DEPTH: 4" to 25.0', 3" to 113.5'						HAMMER (ID): 140 lb. Auto (M06)			
DATE STARTED: 4/5/08		COMPLETED: 4/1/08		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 @ 27.3 ft	
-28.7	27.3	2.0	0:35 0:08	(0.5) 25%	(0.0) 0%		RUN-1	(21.7) 92%	(18.0) 76%				LIMESTONE, boundstone, white (2.5Y8/1), hard, wet, strong HCl reaction (Upper Fort Thompson Formation) (continued)
-30.7	29.3	5.0	0:49 0:37 0:45 0:48 0:44	(4.9) 98%	(3.5) 70%		RUN-2						23.7ft: moderately hard, moderately indurated, trace fine sand 29.3ft: hard, indurated, few vugs, coralline
-35.7	34.3	5.0	1:05 0:54 0:34 0:38 0:45	(5.0) 100%	(3.8) 76%		RUN-3						34.3ft: recrystallized calcite
-40.7	39.3	5.0	0:57 0:51 1:00 1:11 1:01	(5.0) 100%	(4.8) 96%		RUN-4						39.3ft: trace vugs
-45.7	44.3	5.0	1:08 1:06 1:01 1:17 1:04	(4.6) 92%	(4.6) 92%		RUN-5						44.3ft: fossiliferous
-50.7	49.3	5.0	0:53 1:05 0:56 0:48 0:41	(5.0) 100%	(4.6) 92%		RUN-6	(44.3) 70%	(25.7) 41%			-52.4	49.3ft: white (2.5Y8/1) to 49.9ft, then gray (10YR5/1) to 51.0ft 51.0
-55.7	54.3	5.0	1:20 1:01 0:29 1:05 1:12	(3.4) 68%	(1.9) 38%		RUN-7						LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation)
-60.7	59.3	5.0	0:34 0:32 0:35 0:31 0:22	(3.2) 64%	(1.2) 24%		RUN-8						54.3ft: moderately hard to hard, moderately indurated to indurated, trace vugs
-65.7	64.3	5.0	0:37 0:52 0:41 0:50 1:04	(3.5) 70%	(1.4) 28%		RUN-9						59.3ft: medium hard to moderately hard, friable to moderately indurated, few vugs, trace sand
-70.7	69.3	5.0	0:32 0:22/0.5	(0.9) 60%	(0.8) 53%		RUN-10						64.3ft: trace vugs, little fine grained sand
-72.2	70.8	5.0	0:36 0:32 0:38 0:40 0:58	(1.9) 38%	(1.1) 22%		RUN-11						69.3ft: hard, indurated 70.8ft: moderately hard, moderately indurated, trace sand
-77.2	75.8	5.0	2:31 2:41 0:30 1:29 0:56	(3.2) 64%	(1.4) 28%		RUN-12						75.8ft: moderately hard to hard, friable to moderately indurated, little sand
-82.2	80.8	5.0	1:59 0:56 0:26 0:32 0:54	(3.9) 78%	(2.6) 52%		RUN-13						80.8ft: moderately hard, moderately indurated
-87.2	85.8	5.0	1:15 1:10 1:00 1:09 1:23	(5.0) 100%	(4.3) 86%		RUN-14						85.8ft: trace vugs
-92.2	90.8	5.0	2:09 0:59 0:45 0:53 0:26	(4.0) 80%	(2.5) 50%		RUN-15						90.8ft: medium hard to moderately hard, friable to moderately indurated
-97.2	95.8	5.0	0:32 0:28 0:29 2:05 0:46	(1.8) 36%	(0.0) 0%		RUN-16						
-102.2	100.8	5.0	0:52	(4.8)	(3.3)		RUN-17						100.8ft: moderately hard, moderately indurated, little shell molds and casts

TURKEY POINT COL CORE, TURKEY POINT.GPJ, 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-728	DRILL METHOD: Mud Rotary/ Core	SAMPLE METHODS: SPT/Core	0 HR. NA
GROUND ELEV.: -1.4 ft (NAVD88)	NORTHING: 397,071 US ft (NAD83/90)	EASTING: 875,620 US ft (NAD83/90)	24 HR. NA
TOTAL DEPTH: 126.6 ft	CASING DEPTH: 4" to 25.0', 3" to 113.5'	HAMMER (ID): 140 lb. Auto (M06)	
DATE STARTED: 4/5/08	COMPLETED: 4/1/08	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) %	L O G	DESCRIPTION AND REMARKS
										Continued from previous page
-107.2	105.8		0:51 0:46 0:39 0:35	96%	66%					LIMESTONE, boundstone, white (2.5Y8/1), hard, indurated, few vugs, strong HCl reaction, fossiliferous, trace recrystallized calcite, few shell molds and casts (Lower Fort Thompson Formation) (continued)
		5.0	0:39 0:39 0:34 0:43 0:31	(4.2) 84%	(1.9) 38%	RUN-18				105.8ft: medium hard to moderately hard, friable to moderately indurated, trace shell molds and casts
-112.2	110.8									
		5.0	0:40 1:37 1:06 0:12 0:30	(1.2) 24%	(0.0) 0%	RUN-19				
-117.2	115.8						(0.0) 0%	(NA)		POORLY GRADED SAND with silt (SP-SM), light gray (2.5Y7/2), dense, wet, fine grained sand, strong HCl reaction, trace limestone fragments (Tamiami Formation)
										Coring Terminated at Elevation -117.2

TURKEY POINT COL CORE TURKEY POINT GPJ TURKEY POINT COL GDT 5-30-08