

**SOIL BORING LOG**

**CAMP STANLEY STORAGE ACTIVITY**

SITE LOCATION: B8	BORING NUMBER: B8-SB1
CLIENT: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.
PROJECT: SWMU CLOSURE	DRILLING CONTRACTOR: CORE TERRA, INC.
LOGGED BY: K. TISCHLER/S. PEARSON	REF. LOGBOOK: 735903
BORING DEPTH (ft-BGL): 9.5	DRILLER: JIMMY MORENO
BORING ELEVATION (ft-MSL): NA	DRILLING RIG: MOBILE B-53
EAST COORDINATE: 537465	DRILLING METHOD: HOLLOW STEM AUGER/AIR ROTARY
NORTH COORDINATE: 3287200	SAMPLING METHOD: 5' SPLIT SPOON/CORE BARREL
BEGIN DRILLING: 08/21/96 (1630)	END DRILLING: 08/21/96 (1835)

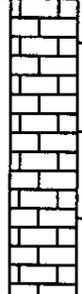
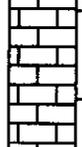
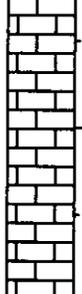
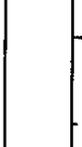
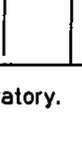
DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PTD (feet)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
1.5/2		X	3.2	CLAY/SILT, dark grayish brown (10YR 4/2), firm, non-plastic, dry, trace of fine-grained sand. (CL-ML)	CL	Hollow-stem drilling and split-spoon sampling to 2.0'
2				LIMESTONE (wackestone), pale yellow (2.5Y 8/2), interbedded marl, silty & sandy, firm, dry, pelecypod (small) shell fragments, (calcite dogtooth spar in 1 mm size vug - only one occurrence), calcite along horizontal fracture.		
3.9/5		X	3.8			Air core 2 to 9.5'
4						
6						
8	2/2.5	X	3.8	LIMESTONE (wackestone/mudstone), light reddish brown (2.5Y 6/3), pelecypod/small shell fragments, hard, moist to wet.		
10				Total depth = 9.5 feet.		
12						
14						
16						

\* Analytical samples were taken in March 2000 due to problems associated with ITS Laboratory.

**SOIL BORING LOG**

**CAMP STANLEY STORAGE ACTIVITY**

SITE LOCATION: B8		BORING NUMBER: B8-SB2	
CLIENT: CAMP STANLEY STORAGE ACTIVITY		CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.	
PROJECT: SWMU CLOSURE		DRILLING CONTRACTOR: CORE TERRA, INC.	
LOGGED BY: K. TISCHLER/S. PEARSON		REF. LOGBOOK: 735903	
BORING DEPTH (ft-BGL): 12		DRILLER: ROBERT HUBLER	
BORING ELEVATION (ft-MSL): NA		DRILLING RIG: MOBILE B-53	
EAST COORDINATE: 537472		DRILLING METHOD: HOLLOW STEM AUGER/AIR ROTARY	
NORTH COORDINATE: 3286996		SAMPLING METHOD: 5' SPLIT SPOON/AIR CORE	
BEGIN DRILLING: 08/22/96 (0840)		END DRILLING: 08/22/96 (0950)	

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PID (feet)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
1.5/2		X	150	SILT/CLAY, brown (10YR 4/3), mottled with organic material, slightly damp, dense, firm.		Hollow-stem drilling and split-spoon sampling to 3.5'.
2	1/1.5		20	SILT/CLAY, brown (10YR 4/3), mottled with caliche, weathered, slight increase in caliche.		
4	0.25/3.5		0	LIMESTONE (mudstone/wackestone), very pale brown (10YR 7/4), hard, dry, massive, numerous pelecypod/bivalve shell fragments less than 1/4 inch.		Air core 3.5-12'.
6						Core blockage.
8		X		LIMESTONE (mudstone), very pale brown (10YR 7/3), hard, dry, massive, occasional darker horizontal bands of finer grains (1/2" to less than 1/8"), minimal fossil assemblage - pelecypod/bivalve shell fragments, coarser shell fragments on either side of prominent band.		
10	5/5		0			
12		X		Total depth = 12 feet.		
14						
16						

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**SOIL BORING LOG**

**CAMP STANLEY STORAGE ACTIVITY**

SITE LOCATION: B8	BORING NUMBER: B8-SB3
CLIENT: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.
PROJECT: SWMU CLOSURE	DRILLING CONTRACTOR: CORE TERRA, INC.
LOGGED BY: K. TISCHLER/S. PEARSON	REF. LOGBOOK: 08/22/96 (1230)
BORING DEPTH (ft-BGL): 13.9	DRILLER: ROBERT HUBLER
BORING ELEVATION (ft-MSL): NA	DRILLING RIG: MOBILE B-53
EAST COORDINATE: 537455	DRILLING METHOD: HOLLOW STEM AUGER/AIR ROTARY
NORTH COORDINATE: 3286992	SAMPLING METHOD: 5' SPLIT SPOON/AIR CORE
BEGIN DRILLING: 08/22/96	END DRILLING: 08/22/96 (1020)

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PID (feet)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
1/2	X		0	SILTY CLAY, very dark brown (10YR 2/2), organic plant material.	[Diagonal hatching]	Hollow-stem drilling and split-spoon sampling to 4'.
2				LIMESTONE (wackestone), yellow (10YR 7/6), white and fractured, hard, dry.	[Brick pattern]	
2/2			0	SILTY CLAY, very dark brown (10YR 2/2), grades into weathered limestone at 2.5', reddish yellow (7.5YR 6/6), Fe oxide staining red and banded, dry, friable.	[Diagonal hatching]	
4				No recovery.	[Cross-hatching]	Cuttings alternate in color.
1/3			178		[Cross-hatching]	Air core 4 to 13.9'.
6				LIMESTONE (mudstone), very pale brown (10YR 8/2), hard, dry, massive, 1 vug with minor calcite precipitate, 1 pelecypod cast observed.	[Brick pattern]	
8				No recovery	[Cross-hatching]	Moist zone.
4/5	X		29	LIMESTONE (mudstone), same as 6-7'.	[Brick pattern]	
10				LIMESTONE (mudstone-wackestone) grading downward into MARLY LIMESTONE, pink (7.5YR 7/4), moist, very plastic, moderate to extensive Fe oxide staining, some pelecypod cast and shell fragments.	[Brick pattern]	
12				LIMESTONE (mudstone), color change to gray (7.5YR 6/1), hard, dry, massive.	[Brick pattern]	
1.9/1.9			0	LIMESTONE (mudstone), pink (5YR 7/4), hard, massive, slightly damp.	[Brick pattern]	Moisture may be result of heat from drilling.
14	X			LIMESTONE (mudstone), pink (7.5YR 5/1), hard, dry, massive, no visible allochems.	[Brick pattern]	
				Total depth = 13.9 feet.		

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