

**SOIL BORING LOG**

**CAMP STANLEY STORAGE ACTIVITY**

SITE LOCATION: B33	BORING NUMBER: B33-SB1
CLIENT: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.
PROJECT: SHMU CLOSURE	DRILLING CONTRACTOR: CORE TERRA, INC.
LOGGED BY: S. PEARSON	REF. LOGBOOK: 735903
BORING DEPTH (ft-BGL): 9.1	DRILLER: JIMMY MORENO
BORING ELEVATION (ft-MSL): NA	DRILLING RIG: MOBILE B-61 HDX
EAST COORDINATE:	DRILLING METHOD: AIR ROTARY
NORTH COORDINATE:	SAMPLING METHOD: 2' SPLIT SPOON/AIR CORE
BEGIN DRILLING: 05/14/97 (1800)	END DRILLING: 05/14/97 (1900)

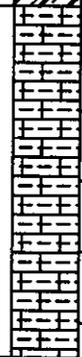
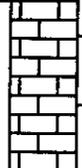
DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PTD (feet)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
0.75/1			0	SILTY CLAY, yellow (2.5Y 8/6), little amount of sand and marl, soft, slightly plastic, soft, moist. Refusal at 1' on cobble.		Hollow-stem augering and split-spoon sampling to 3'.
1/1			0			
2			0	CLAY/LIMESTONE GRAVEL, very pale brown (10YR 8/3), angular gravel, medium stiff, plastic, damp to moist.		
0.4/1			0	As above. Refusal at 3'.		Air core 3-8'.
4			0	LIMESTONE with interbedded MARL (wackestone), weathered, very pale brown (10YR 8/3), poor recovery, dry. 3-6' Weathered limestone and marl. 6-7.5' Limestone. 7.5-8' Weathered limestone and marl.		
2/5			0			
8			0	LIMESTONE (wackestone), gray (5YR 5/1), fractured and dry.		
0.8/1			0			No accumulation of water in borehole.
10				Total depth = 9.1 feet.		
12						
14						
16						
18						
20						

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

**SOIL BORING LOG**

**CAMP STANLEY STORAGE ACTIVITY**

SITE LOCATION: B33		BORING NUMBER: B33-SB2	
CLIENT: CAMP STANLEY STORAGE ACTIVITY		CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.	
PROJECT: SHMU CLOSURE		DRILLING CONTRACTOR: CORE TERRA, INC.	
LOGGED BY: S. PEARSON		REF. LOGBOOK: 735903	
BORING DEPTH (ft-BGL): 12.1		DRILLER: JIMMY MORENO	
BORING ELEVATION (ft-MSL): NA		DRILLING RIG: MOBILE B-61 HDX	
EAST COORDINATE:		DRILLING METHOD: AIR ROTARY	
NORTH COORDINATE:		SAMPLING METHOD: 2' SPLIT SPOON/AIR CORE	
BEGIN DRILLING: 05/15/97		END DRILLING: 05/15/97	

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PTD (feet)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
0.4/1			0	SILTY CLAY, brown (10YR 4/3), little fine-grained sand and caliche nodules, medium stiff, plastic, root material, dry to damp, refusal at 1'.		Hollow-stem augering and split-spoon sampling to 4.5'.
0.8/1		0	As above, refusal at 1.75'.			
0.8/1		0	CALICHE/CLAY, very pale brown (10YR 8/3), brittle, dry.			
1.5/1.5		0	As above, refusal at 4.5'.			
2.3/5			0	LIMESTONE with interbedded MARL, pale yellow (2.5Y 8/4), wackestone, massive, hard, marl is brittle, dry, 1st layer of competent rock is at 7' bgl.		Air core 4.5-12'.
2.3/2.5			0	LIMESTONE, wackestone, very pale brown (10YR 8/2), hard, massive, dry.		
				Total depth = 12.1 feet.		No accumulation of water in borehole.

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

**SOIL BORING LOG**

**CAMP STANLEY STORAGE ACTIVITY**

SITE LOCATION: B33	BORING NUMBER: B33-SB3
CLIENT: CAMP STANLEY STORAGE ACTIVITY	CONTRACTOR: PARSONS ENGINEERING SCIENCE, INC.
PROJECT: SWMU CLOSURE	DRILLING CONTRACTOR: CORE TERRA, INC.
LOGGED BY: S. PEARSON	REF. LOGBOOK: 735903
BORING DEPTH (ft-BGL): 12.5	DRILLER: JIMMY MORENO
BORING ELEVATION (ft-MSL): NA	DRILLING RIG: MOBILE B-61 HDX
EAST COORDINATE:	DRILLING METHOD: AIR ROTARY
NORTH COORDINATE:	SAMPLING METHOD: 2' SPLIT SPOON/AIR CORE
BEGIN DRILLING: 05/14/97	END DRILLING: 05/14/97

DEPTH (feet)	SAMPLE RECOVERY	ANALYTICAL SAMPLE	PID (psm)	LITHOLOGIC DESCRIPTION	GRAPHIC LOG	COMMENTS
1.5/2			6.8	SILTY CLAY, little sand, trace of caliche gravel, very dark grayish brown (10YR 3/2), medium stiff, slightly plastic, root material, dry to damp.		Hollow-stem augering and split-spoon sampling to 5.5'.
2						
1/2			6.7	CLAY/LIMESTONE gravel, some caliche, very pale brown (10YR 7/4), slightly plastic, loose, dry to damp.		
4						
1.5/1.5			4.1	WEATHERED LIMESTONE (wackestone), very pale brown (10YR 8/4), brittle, dark clay in-filling along fractures, dry.		
6						Air core 5.5-12.5'.
2.1/4			0.0	LIMESTONE (wackestone), very pale brown (10YR 8/4), massive & vuggy, some forams (1/4" diameter), damp.		
8						
				WEATHERED LIMESTONE, description based on cuttings.		
				LIMESTONE, descriptions based on cuttings, hard and white.		
10						
2.5/4			0.0	LIMESTONE (wackestone), very pale brown (10YR 8/4), massive, vuggy zones at 9.5-10' and 10.5-11', significant calcite in-filling along fracture planes, dry.		
12						
				Total depth = 12.5 feet.		No accumulation of water in borehole.
14						
16						
18						
20						

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

