

Boring Designation VB-MCSP07-4

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS	
1. PROJECT MARTIN COUNTY OFFSHORE INVESTIGATIONS Offshore Borrow Area				9. SIZE AND TYPE OF BIT See Remarks			
2. BORING DESIGNATION VB-MCSP07-4		LOCATION COORDINATES X = 948,161 Y = 1,072,645		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	
3. DRILLING AGENCY Challenge Engineering & Testing, Inc.		CONTRACTOR FILE NO. 2007D32		11. MANUFACTURER'S DESIGNATION OF DRILL Alpine Vibracore Unit		<input checked="" type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER	
4. NAME OF DRILLER Alpine Ocean Seismic, Inc.				12. TOTAL SAMPLES 4		DISTURBED 0	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal	
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING 08-09-07		STARTED 08-09-07	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -43.7 Ft.		COMPLETED 08-09-07	
8. TOTAL DEPTH OF BORING 20.0 Ft.				17. TOTAL RECOVERY FOR BORING 100 %		18. SIGNATURE AND TITLE OF INSPECTOR Eric Guarino, Geologist	
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS
-43.7	0.0						-43.7
			SHELL, mostly angular shell up to 1/4", some subangular fine to medium-grained sand-sized carbonate, trace angular fine to medium-grained sand-sized organic matter, strong reaction with HCl, moist, 10YR 7/2 light gray	667			Vibracore
				NR	1		-46.7
							-47.2
				NR			
							-49.7
				NR	2		-50.2
				NR			
							-52.7
				NR	3		-53.2
				NR			
							-55.7
				NR	4		-56.2
-56.6	12.9		SAND, silty, mostly subangular fine to medium-grained sand-sized carbonate, some angular shell up to 1/4", strong reaction with HCl, moist, 10YR 5/1 gray (SM)	NR			

DRILLING LOG (Cont. Sheet)				INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																	
PROJECT MARTIN COUNTY OFFSHORE INVESTIGATIONS				COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL MLLW																	
LOCATION COORDINATES X = 948,161 Y = 1,072,645				ELEVATION TOP OF BORING -43.7 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-60.8	17.1																							
			SILT, Inorganic-L, mostly subangular fine-grained sand-sized silt, little angular shell up to 1/2", strong reaction with HCl, moist, 10YR 5/1 gray (ML)	NR																				
-63.7	20.0						-63.7																	
			<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.0/3.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>6.0/6.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>9.0/9.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>12.0/12.5</td> <td>SP*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	3.0/3.5	SP*	2	6.0/6.5	SP*	3	9.0/9.5	SP*	4	12.0/12.5	SP*				Abbreviations: NR = Not Recorded.		
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																						
1	3.0/3.5	SP*																						
2	6.0/6.5	SP*																						
3	9.0/9.5	SP*																						
4	12.0/12.5	SP*																						

Penetration Graph for Core No. VB-MCSP07-4, Run 1

Date: 8/9/2007
Start Time: 3:13:22 PM
End Time: 3:16:23 PM

Penetration: 19.72 ft
Recovery: 20
W. D. Corrected: 43.7
W. D. Raw: 45.1

Easting: 948161
Northing: 1072645
Coord. System: FL East

Lat: 27d 16.9050' N
Long: 80d 6.0573' W
Datum: NAD-83

Comment:

