

Boring Designation VB-MCSP07-26

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-MCSP07-26		LOCATION COORDINATES X = 952,706 Y = 1,079,268		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 08-12-07		STARTED 08-12-07	
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -55.5 Ft.		COMPLETED 08-12-07	
8. TOTAL DEPTH OF BORING 20.0 Ft.				17. TOTAL RECOVERY FOR BORING 98 %		18. SIGNATURE AND TITLE OF INSPECTOR Eric Guarino, Geologist	
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS
-55.5	0.0						-55.5
			SHELL, mostly angular shell up to 1/4", some subangular fine to medium-grained sand-sized quartz, trace angular fine to medium-grained sand-sized organic matter, weak reaction with HCl, moist, 10YR 7/2 light gray	980			Vibracore
				NR	1		-57.5
				NR			-58.0
				NR			-59.5
-59.6	-4.1		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized carbonate, little angular shell up to 3/8", strong reaction with HCl, moist, 10YR 5/1 gray (SP)	NR	2		-60.0
				NR			-62.5
			At El. -62.2 Ft., 10YR 4/1 dark gray	NR	3		-63.0
				NR			-64.5
				NR	4		-65.0
-65.5	10.0		SAND, silty, mostly fine-grained sand-sized carbonate, little angular shell up to 1/4", little clay, trace silt, strong reaction with HCl, moist, 10YR 5/1 gray (SM)				
				NR			
-69.7	14.2		SHELL, mostly angular shell up to 1-1/2", some subangular fine to medium-grained				

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 = 952,706 Y = 1,079,268			ELEVATION TOP OF BORING -55.5 Ft.																						
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE																
-75.1	19.6	<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></div> <div style="font-size: 8px;"> sand-sized carbonate, strong reaction with HCl, moist, 10YR 5/1 gray </div> </div>	NR																						
-75.5	20.0						-75.5																		
		NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. Laboratory Testing Results <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">SAMPLE ID</th> <th style="width: 20%;">SAMPLE DEPTH</th> <th style="width: 65%;">LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2.0/2.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>4.0/4.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>7.0/7.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>9.0/9.5</td> <td>SP*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits.			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.0/2.5	SP*	2	4.0/4.5	SP*	3	7.0/7.5	SP*	4	9.0/9.5	SP*				Abbreviations: NR = Not Recorded.		
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																							
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2	4.0/4.5	SP*																							
3	7.0/7.5	SP*																							
4	9.0/9.5	SP*																							

Penetration Graph for Core No. VB-MCSP07-26, Run 1

Date: 8/12/2007
Start Time: 10:51:09 AM
End Time: 10:56:45 AM

Penetration: 19.61 ft
Recovery: 19.8
W. D. Corrected: 55.5
W. D. Raw: 57.4

Easting: 952705
Northing: 1079268
Coord. System: FL East

Lat: 27d 17.9431' N
Long: 80d 5.2139' W
Datum: NAD-83

Comment:

