

Boring Designation VB-MCSP07-6

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-MCSP07-6		LOCATION COORDINATES X = 947,003 Y = 1,072,653		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83 VERTICAL MLLW			
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 4 UNDISTURBED (UD) 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 COMPLETED 08-09-07			
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -47.7 Ft.		17. TOTAL RECOVERY FOR BORING 100 %			
8. TOTAL DEPTH OF BORING 20.0 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR Eric Guarino, Geologist					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-47.7	0.0		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	667			-47.7		
				NR	1		-50.7		
							-51.2		
				NR					
							-53.7		
-54.6	6.9		SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, some angular coarse-grained sand-sized shell up to 1/8", weak reaction with HCl, moist, 10YR 5/1 gray (SP)	NR	2		-54.2		
				NR	3		-55.7		
							-56.2		
				NR					
							-58.7		
-59.5	11.8		SAND, silty, mostly subangular fine to medium-grained sand-sized carbonate, little angular coarse-grained sand-sized shell, strong reaction with HCl, moist, 10YR 5/1 gray (SM)	NR	4		-59.2		
-62.7	15.0								

DRILLING LOG (Cont. Sheet)			INSTALLATION			SHEET 2 OF 2 SHEETS																		
PROJECT			COORDINATE SYSTEM/DATUM		HORIZONTAL	VERTICAL																		
MARTIN COUNTY OFFSHORE INVESTIGATIONS			State Plane, FLE (U.S. Ft.)		NAD83	MLLW																		
LOCATION COORDINATES			ELEVATION TOP OF BORING																					
X = 947,003 Y = 1,072,653			-47.7 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-67.7	20.0		CLAY, organic-L, nonplastic, soft, mostly subrounded clay, some angular shell up to 1", weak reaction with HCl, moist, 10YR 6/1 gray (OL)	NR			-67.7																	
			<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>8.0/8.5</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>11.0/11.5</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	8.0/8.5	SP*	4	11.0/11.5	SP*				Abbreviations: NR = Not Recorded.		
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																						
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4	11.0/11.5	SP*																						

Penetration Graph for Core No. VB-MCSP07-6, Run 1

Date: 8/9/2007
Start Time: 2:21:28 PM
End Time: 2:24:51 PM

Penetration: 19.56 ft
Recovery: 20
W. D. Corrected: 47.7
W. D. Raw: 48.8

Easting: 947001
Northing: 1072653
Coord. System: FL East

Lat: 27d 16.9076' N
Long: 80d 6.2713' W
Datum: NAD-83

Comment:

