





PROJECT NUMBER: 338884.FL	BORING NUMBER: OW-5	SHEET 5 OF 7
ROCK CORE LOG		

PROJECT : Progress Energy Florida - COLA Investigation, Levy County Site LOCATION : (1724076.2 N, 457702.7 E)

ELEVATION : 43.2 ft MSL (NGVD83)

DRILLING CONTRACTOR : Prosonic, Ocala, FL, Driller: N. Gamache

CORING EQUIPMENT AND METHOD : Rotosonic, S/N SR116, sonic 4"x6"

ORIENTATION : Vertical

WATER LEVELS : ---

START : 2/7/2007

END : 2/7/2007

LOGGER : M. Faurote

DEPTH AND ELEVATION BELOW SURFACE (ft)	CORE RUN, LENGTH, AND RECOVERY (%)	DISCONTINUITIES			SYMBOLIC LOG	LITHOLOGY		COMMENTS
		R Q D (%)	FRACTURES PER FOOT	DESCRIPTION		ROCK TYPE, COLOR, MINERALOGY, TEXTURE, WEATHERING, HARDNESS, AND ROCK MASS CHARACTERISTICS	SIZE AND DEPTH OF CASING, FLUID LOSS, CORING RATE AND SMOOTHNESS, CAVING ROD DROPS, TEST RESULTS, ETC.	
				DEPTH, TYPE, ORIENTATION, ROUGHNESS, PLANARITY, INFILLING MATERIAL AND THICKNESS, SURFACE STAINING, AND TIGHTNESS				
70 -26.9 								



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		R Q D (%)	FRACTURES PER FOOT	DESCRIPTION		ROCK TYPE, COLOR, MINERALOGY, TEXTURE, WEATHERING, HARDNESS, AND ROCK MASS CHARACTERISTICS	SIZE AND DEPTH OF CASING, FLUID LOSS, CORING RATE AND SMOOTHNESS, CAVING ROD DROPS, TEST RESULTS, ETC.
				DEPTH, TYPE, ORIENTATION, ROUGHNESS, PLANARITY, INFILLING MATERIAL AND THICKNESS, SURFACE STAINING, AND TIGHTNESS			
90 -46.9	R10-SN 10 ft 80%	NA	NA	87.0-97.0' - NA		Disaggregated Limestone 87.0-89.0' - yellowish gray, (5Y 7/2), silt and sand-sized carbonate materials and gravel-sized limestone fragments	
			NA			Limestone 89.0-89.7' - light brown and yellowish gray, (5Y 7/2), strong (R4), very fine to fine grained, few fossils	
			NA			Sandy Silt, Silt And Fat Clay (ML/CH) 89.7-92.4' - pale yellowish brown, (10YR 6/2), carbonate silt, fat clay with sand-sized materials, moderate HCl reaction	
			NA			Limestone 92.4-95.3' - yellowish gray, (5Y 7/2), moderate HCl reaction, very weak to weak (R1 to R2), abundant fossil molds and casts, very fine to fine grained	
95 -51.9			NA			No Recovery 95.3-97.0'	
			NA			Disaggregated Limestone 97.0-98.2' - grayish orange, (10YR 7/4), carbonate silts and sands	
			NA			Limestone 98.2-101.0' - very pale orange, (10YR 8/2), moderately fossiliferous	
100 -56.9	R11-SN 10 ft 100%	NA	NA	97.0-107.0' - NA		Disaggregated Limestone 101.0-102.3' - grayish orange, (10YR 7/4), weak to medium strong (R2 to R3), carbonate derived silt and sand sized grains, limestone fragments	This may all be machine denigrated limestone
			NA			Silt (ML) 102.3-103.4' - grayish orange, (10YR 7/4), soft, strong HCl reaction, loose, carbonate material	
			NA			No Recovery 103.4-107.0'	
105 -61.9			NA				
			NA				
			NA				
			NA				



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WATER LEVELS : --- START : 2/7/2007 END : 2/7/2007 LOGGER : M. Faurote

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		R Q D (%)	FRACTURES PER FOOT	DESCRIPTION		ROCK TYPE, COLOR, MINERALOGY, TEXTURE, WEATHERING, HARDNESS, AND ROCK MASS CHARACTERISTICS	SIZE AND DEPTH OF CASING, FLUID LOSS, CORING RATE AND SMOOTHNESS, CAVING ROD DROPS, TEST RESULTS, ETC.
				DEPTH, TYPE, ORIENTATION, ROUGHNESS, PLANARITY, INFILLING MATERIAL AND THICKNESS, SURFACE STAINING, AND TIGHTNESS			
110 -66.9	R12-SN 10 ft 100%	NA	NA	107.0-117.0' - NA		Disaggregated Limestone 107.0-117.0' - very pale orange, (10YR 8/2), moderate to strong HCl reaction, siltsand and gravel-sized fragments, fossiliferous, friable, carbonate materials	
			NA				
			NA				
			NA				
			NA				
			NA				
			NA				
			NA				
115 -71.9	R13-SN 3 ft 100%	NA	NA	117.0-120.0' - NA		117.0-120.0' - grayish orange pink, (5YR 7/2)	
			NA				
			NA				
120 -76.9						Bottom of Boring at 120.0 ft bgs on 2/7/2007	
125 -81.9							