



PROJECT NUMBER:

338884.FL

BORING NUMBER:

MW1S

SHEET 1 OF 2

SOIL BORING LOG

PROJECT : Progress Energy Florida - COLA Investigation, Levy County Site LOCATION : (1719510.8 N, 455053.8 E)

ELEVATION : 42.0 ft MSL (NGVD83)

DRILLING CONTRACTOR : Prosonic, Ocala, FL Driller: F. Kraus

DRILLING EQUIPMENT AND METHOD : Rotosonic S/N SR109, sonic, 4" x 6"

ORIENTATION : Vertical

WATER LEVELS : ---

START : 1/30/2007

END : 1/30/2007

LOGGER : A Teal

DEPTH BELOW EXISTING GRADE (ft)		INTERVAL (ft)		STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION		SYMBOLIC LOG		COMMENTS	
		RECOVERY (in)									
		#TYPE		6"-6"-6" (N)							
42.0	0.0						Poorly Graded Sand With Organics (SP) 0.0-1.0' - dusky brown, (5YR 2/2), wet, very fine to fine grained, silica sand, estimated 40% fine organics				
							Poorly Graded Sand (SP) 1.0-2.0' - pale yellowish brown, (10YR 6/2), wet, fine grained, silica sand, trace non plastic fines, trace organics				
		60.0	R1-SN				Poorly Graded Sand With Organics (SP) 2.0-3.5' - dusky yellowish brown, (10YR 2/2), moist to wet, very fine to fine grained, silica sand, estimated 40-50% fine organics				
							Silty Sand (SM) 3.5-5.0' - moderate yellowish brown, (10YR 5/4), moist, very fine to fine grained, silica sand, estimated 20-25% low plasticity fines, trace organics				
5	5.0										
37.0							Silty Sand (SM) 5.0-7.0' - dark yellowish brown to moderate yellowish brown, (10YR 4/2 to 10YR 5/4), moist, very fine to fine grained, silica sand, non to low plastic fines, trace fine organics; darker and siltier with depth				
							Clayey Sand (SC) 7.0-8.0' - light olive gray, (5Y 5/2), moist, medium plasticity				
							Silty Gravel With Sand (GM) 8.0-10.0' - yellowish gray, (5Y 8/1), moist, strong HCl reaction, angular to subangular, gravel size carbonate materials up to 1-5"; sand size carbonate particles are rounded to subangular, fossiliferous, trace clay				
10		120.0	R2-SN				Silty Gravel With Sand (GM) 10.0-13.3' - Same as 8.0-10.0' except loose to dense, strong HCl reaction, fragments of fossiliferous limestone up to 3", approximately 10% subangular to rounded silt sized carbonate particles				gastropod and pelycypod fragments and molds
32.0											
							Limestone 13.3-15.0' - yellowish gray, (5Y 8/1), no apparent bedding, main piece is approximately 0.9' long, intact with approximately 0.2' thick fragments on top and bottom; moderate strength, fossiliferous				Cap rock?
15	15.0										
27.0							Silty Gravel With Sand (GM) 15.0-25.0' - Same as 8.0-10.0' except limestone fragments near top up to 4" in size except strong HCl reaction, grades at unknown depth to limestone (same as 13.3'); intact sections of moderate strength rock up to 0.9' long				Driller reports loss of approximately 50% of 10' run due to rapid fall rates, soft zone; from 15-25' run, only recovered approximately 5' of sample - no way to tell relative depths within this interval
20											

