

WELL BORING LOG

Boring/Well Number: HES-27		Permit Number:	
Seminole Reservation, south of West Boundary Road			
Project Name: C-139 Regional Study		Borehole Start Date:	01/25/10
		Borehole Start Time:	3:30 am <input checked="" type="checkbox"/> m
		End Date:	01/25/10
		End Time:	5:30 am <input checked="" type="checkbox"/> m
Environmental Contractor: URS Corp.		Geologist's Name: David Schulte	
		Environmental Technician's Name: NA	
Drilling Company: Drill Pro		Pavement Thickness (inches): None	Borehole Diameter (inches): 6
		Borehole Depth (feet): 100	
Drilling Method(s): Sonic Drill	Apparent Borehole DTW (in feet from soil moisture content): 5	Measured Well DTW (in feet after water recharges in well): 4.5	OVA (list model and check type): NA FID PID
Disposition of Drill Cuttings [check method(s)]: <i>(describe if other or multiple items are checked):</i>			
<input type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other Samples taken off site for examination			
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)			
Both wells pumped with small submersible pump at approx. 3 gpm			

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Notes:
PH	0-5	60	NA	NA	NA	NA	0-5	Unconsolidated-tan fine to medium grained quartz sand with traces to some small limestone rock fragments		M	Depth to Water HES-27S = 4.5'
SC	5-10	48	NA	NA	NA	NA	5-10	Medium hard tan oolitic fossiliferous limestone with some fine grained quartz sand and small dark calcite nodules		S	Depth to Water HES-27D = 5'
SC	10-20	60	NA	NA	NA	NA	10-20	Interbedded thin layers of light tan medium to fine quartz sand and shells with traces of silt and soft light tan fossiliferous limestone		S	2 feet of 0.02 slot well screen set from 18 to 20 feet
SC	20-22	24	NA	NA	NA	NA	20-22	Unconsolidated light gray fine to very fine grained quartz sand with some small cemented sand nodules, dark fine phosphatic sand and traces of light gray marl		S	
SC	22-26	48	NA	NA	NA	NA	22-26	Soft light gray fine to very fine quartz sand with some dark fine phosphatic sand and traces to some light gray marl		S	
SC	26-35	108	NA	NA	NA	NA	26-35	Soft light gray marly fine to very fine grained quartz sand with some to traces of shell fragments		S	
SC	35-40	60	NA	NA	NA	NA	35-40	Soft light tan fine to very fine grained quartz sand with some shell fragments, dark fine phosphatic sand and traces of light gray marl		S	
SC	40-45	60	NA	NA	NA	NA	40-45	Same as above		S	
SC	45-50	60	NA	NA	NA	NA	45-50	Soft thin layers of light tan fine to very fine grained quartz sand and shell fragments with some dark very fine phosphatic sand, light gray small cemented sand nodules		S	
SC	50-55	60	NA	NA	NA	NA	50-55	Same as above		S	
SC	55-57	24	NA	NA	NA	NA	55-57	Soft light tan fine to very fine grained quartz sand with traces of shell fragments, medium quartz sand and light gray marl interbedded with thin layers of light tan cemented quartz sand		S	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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SC	57-60	36	NA	NA	NA	NA	57-60	Soft light gray fossiliferous limestone with traces of fine grained quartz sand and dark fine phosphatic sand		W	
SC	60-65	60	NA	NA	NA	NA	60-65	Hard gray fossiliferous limesonte with traces of fine grained quartz sand		W	
SC	65-70	36	NA	NA	NA	NA	65-70	Same as above		W	
SC	70-75	24	NA	NA	NA	NA	70-75	Same as above		W	
SC	75-80	60	NA	NA	NA	NA	75-80	Same as above		w	2 feet of 0.02 slot well screen set from 78 to 80 feet
SC	80-85	60	NA	NA	NA	NA	80-85	Same as above		W	
SC	85-90	60	NA	NA	NA	NA	85-90	Same as above		w	
SC	90-95	60	NA	NA	NA	NA	90-95	Very hard light gray to gray fossiliferous limestone with traces of very fine grained quartz sand		w	
SC	95-100	60	NA	NA	NA	NA	95-100	Same as above		w	Boring terminated at 100 feet

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