WELL BORING LOG

Boring/Well Number: HES-27 Permit Number:											Р	Page 1 of 2					
	-				of Davis												
			ion, sout		est Bour			tart Dat		1	Donaholo Stort	Timat					
Project Name: C-139 Regional Study							ne S	tart Dai	le:	01/25/10	Borehole Start Time:			am x m			
						End Date:				01/25/10	End		5:30		am <mark>x</mark> m		
Enviro	onmenta		actor: S Corp.			Geolog	ist's	s Name:		d Schulto				tal Technician's Name:			
Drillir	ng Comr		S Corp.		Paveme					d Schulte Borehole Diameter (inches):			NA Borehole Depth (feet):				
Drilling Company: Pavemer Drill Pro							lon			6			100				
Drilling Method(s): Apparent Borehole							in fe	et	Me	asured Well DTW (in feet after OVA (li			model a	ck type):			
Sonic Drill from soil moistu						re content): 5				vater recharges in well): 4.5 NA			A	FID PID			
Dispo	sition of	Drill (Cuttings [c	check m	ethod(s)]:		Drur	n	Spread	Backfill	St	ockpile		Other		
descr	ibe if oth	her or i	nultiple it	ems are	checked	l):	Sa	mples	taken o	off site for exa	mination						
Boreh	ole Com	pletior	(check o	ne):	X We	11	Gı	rout	Ber	ntonite	Backfill	Othe	r (descr	ibe)			
3oth v	wells pu	umped	with sma	all subr	nersible	pump	at a	pprox.	3 gpm								
		Š		τ									USCS Symbol	М			
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Infili	Filtered OVA	Net OVA	1	Dep		Somula Description				Moisture Content			
ıple	nple : rval			Unfiltered OVA			Depth (feet)		(includ	Sample Description (include grain size based on USCS, odors, staining, and				ure (Notes:		
Тур	Dep (fee								other remarks)					Con			
ē	ť) fh							U						tent			
PH	0-5	60	NA	NA	NA	NA	/	0-5		ith traces to son	e to mediium grai ne small limestor		м	Depth to Water HE 27S = 4.5'			
SC	5-10	48	NA	NA	NA	NA		5-10	Medium hard tan oolitic fossiliferous limestone with some fine grained quatz sand and small dark calcite nodules						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 w screen set from 18		
									Uncons	solidated light gr	ay fine to very fir	ne arained		_	20 feet		
SC	20-22	24	NA	NA	NA	NA	$\left \right $	20-22	quartz	uartz sand with some small cemented sand nodules ark fine phosphatic sand and traces of light gray							
SC	22-26	48	NA	NA	NA	NA	/	22-26	dark fin	Soft light gray fine to very fine quartz sand with some lark fine phosphatic sand and traces to some light gray marl							
SC	26-35	108	NA	NA	NA	NA	/	26-35	0	Soft light gray marly fine to very fine grained quartz and with some to traces of shell fragments							
SC	35-40	60	NA	NA	NA	NA	1	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	7	40-45	Same a	Same as above				s			
SC	45-50	60	NA	NA	NA	NA	[]	45-50	quartz	oft thin layers of light tan fine to very fine grained uartz sand and shell fragments with some dark very ne phosphatic sand, light gray small cemented sand odules				s			
SC	50-55	60	NA	NA	NA	NA	7	50-55	Same a	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								

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

WELL BORING LOG

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Boring	g/Well N	Jumber	r: HES-2	27		Permit Number:												
Seminole Reservation, south of West Boundary Road																		
Projec	t Name	C-13	9 Regiona	al Study		Boreho	le S	Start Da	te:	01/25/10	Borehole Start	Time:	3:30	á	am	x		
							I	End Dat	e:	01/25/10	End 7	Time:	5:30	ć	am	x m		
Enviro	onmenta	l Conti	actor:			Geolog	ist'	s Name	:	Environmer				ntal Technician's Name:				
			S Corp.			David Schulte								NA				
Drillir	ng Comp	-			Paveme	ent Thic			es):	Borehole Dia				orehole Depth (feet):				
D.:11:	a Math	Drill P	ro	A	t Donah a		lon			6 • • • • • • • • • • • • • • • • • • •				100 nodel and check type):				
Driim	ng Meth	c Drill			t Boreho			eet 5		easured Well DTW (in feet after OVA (list r water recharges in well): 4.5 NA								
					oil moistu		it):			-	, -							
Dispo	sition of	Drill (Cuttings [check n	nethod(s	-							tockpile Other					
(descr	ibe if ot	her or	multiple i	items ar	e checke	d):	<i>l):</i> Samples taken off site for examination											
Borehole Completion (check one): X Well Grout Bentonite Backfill Other (describe)																		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA		Depth (feet)	(inclue	de grain size ba	e Description sed on USCS, odo ther remarks)	on USCS, odors, staining,				Notes:		
SC	57-60	36	NA	NA	NA	NA		57-60	•	0,	rous limestone w nd and dark fine p			w				
SC	60-65	60	NA	NA	NA	NA		60-65	-	ay fossiliferous quartz sand	s limesonte with the	races of fine	•	W				
SC	65-70	36	NA	NA	NA	NA	/	65-70	Same a	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 a	as above				w	wel	eet of 0.02 slot screen set from 78 to 80 feet		
SC	80-85	60	NA	NA	NA	NA		80-85	Same a	as above				W				
SC	85-90	60	NA	NA	NA	NA		85-90		is above				w				
SC	90-95	60	NA	NA	NA	NA		90-95			gray fossiliferous grained quartz s			w				
SC	95-100	60	NA	NA	NA	NA		95- 100	Same a	is above				w	Bori	ing terminated at 100 feet		

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