

WELL BORING LOG

Boring/Well Number: HES-28		Permit Number:									
CR 835 South of McDaniel Ranch Entrance											
Project Name: C-139 Regional Study		Borehole Start Date:	10/20/09	Borehole Start Time:	8:15 <input checked="" type="checkbox"/> am <input type="checkbox"/> pm						
		End Date:	10/20/09	End Time:	3:00 <input type="checkbox"/> 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): 3		Measured Well DTW (in feet after water recharges in well): 3		OVA (list model and check type): NA FID PID						
Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked):											
<input type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <input checked="" type="checkbox"/> 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)											
Shallow well pumped at 1 gpm and Deep well pumped at 2 gpm with 3/8 inch dia tubing - Above Ground Protective Casings											
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	0-2	24	NA	NA	NA	NA	0-2	Unconsolidated-dark gray fine to medium grained quartz sand with trace of organic material		D	Depth to Water HES-28S = 4.0' w/ TOC at 2.17' ags
PH	2-5	36	NA	NA	NA	NA	2-5	Unconsolidated-light gray fine to medium grained quartz sand		M	Depth to Water HES-28D = 6.25' w/ TOC at 2.17' ags
PH	5-10	60	NA	NA	NA	NA	5-10	Unconsolidated-light tan medium to fine grained quartz sand with traces of coarse grained quartz sand		S	
SC	10-15	60	NA	NA	NA	NA	10-15	Same as above		S	
SC	15-20	60	NA	NA	NA	NA	15-20	Same as above		S	
SC	20-25	60	NA	NA	NA	NA	20-25	Unconsolidated-tan medium to coarse grained quartz sand with some fine grained quartz sand		S	2 feet of 0.02 slot well screen set from 20 to 22 feet
SC	25-30	60	NA	NA	NA	NA	25-30	Same as above		S	
SC	30-35	60	NA	NA	NA	NA	30-35	Same as above		S	
SC	35-40	60	NA	NA	NA	NA	35-40	Unconsolidated-tan medium to coarse grained quartz sand with some fine grained quartz sand and traces of silt		S	
SC	40-41	12	NA	NA	NA	NA	40-41	Soft-thin layers of gray silty clay and light gray medium to coarse grained sand and shell fragments		W	
SC	41-43	24	NA	NA	NA	NA	41-43	Soft-interbedded layers of tan fine to very fine grained quartz sand and shell layers with traces of silt		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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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): 90	
Drilling Method(s): Sonic Drill	Apparent Borehole DTW (in feet from soil moisture content): 3	Measured Well DTW (in feet after water recharges in well): 3	OVA (list model and check type): NA FID PID
Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked):			
<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)			

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:
SC	43-45	24	NA	NA	NA	NA	43-45	Soft-interbedded layers of tan fine to very fine grained quartz sand and small to medium shell layers with traces of silt and some medium to large cemented sand nodules		S	
SC	45-50	60	NA	NA	NA	NA	45-50	Soft-interbedded layers of tan fine to very fine grained quartz sand, and medium to large shell fragment layers with traces of silt and clay		S	
SC	50-55	60	NA	NA	NA	NA	50-55	Soft-interbedded layers of medium to large shell fragments with medium cemented sand/shell nodules, and tan very fine to fine grained quartz sand with some medium grained quartz sand		S	
SC	55-60	60	NA	NA	NA	NA	55-60	Hard gray fossiliferous limestone with traces of light gray fine grained quartz sand		S	
SC	60-70	120	NA	NA	NA	NA	60-70	Hard gray fossiliferous limestone with traces of light gray fine grained quartz sand		S	2 feet of 0.02 slot well screen set from 64 to 66 feet
SC	70-80	120	NA	NA	NA	NA	70-80	Hard gray fossiliferous limestone with traces of light gray fine grained quartz sand		S	
SC	80-82	24	NA	NA	NA	NA	80-82	Hard thin layers of gray to dark gray fossiliferous limestone interbedded with light gray fine to coarse grained quartz sand		S	5 feet of bentonite from 70 to 75 feet on top of sand to bottom
SC	82-90	96	NA	NA	NA	NA	82-90	Hard gray fossiliferous limestone with some light gray fine to coarse grained quartz sand		S	Boring Terminated at 90 feet

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