

BOREHOLE GEOPHYSICAL LOG

English/Metric units M

SiteID (C1) 415949091405402	Station na	ame (C12) 083N07	W17DAC 1993	USG	S CRM-12		Other ID CRM-12
County Linn State Iowa					Log date 06/21/17		
Owner City of Cedar Rapids	Project Cedar Rapids Alluvial Aquifer Study						
Location description Mohawk City Pa	ırk; Tall Gı	rasses near northern	bank of Ceda	r Rive	er		
Latitude 41.99694° Longitude -91.68184°				Lat/Long datum NAD83			
Altitude LMP 220.57	Altitude	datum NGVD88		Log measurement point (LMP) Top of Casing (TOC)			
Height LMP 0.815 m above (+) LS	Description of LMP Top of steel casing; flush with inner 4" PVC casing						PVC casing
Borehole depth 24.28 TOC	Borehol	le diameter 25.40		Casing bottom 23.67 TOC			
Casing diameter 10.16	Casing	type PVC		Source of data USGS lowa WS			S Iowa WSC and OGW BG
Logging unit USGS OGW BG	Log ori	entiation MN			Magnetic declination 0.68° W		
Recorded by KLCP/SNP			Observed by LG/ EB/JW				
Software non-ASCII logs WellCAD 5.1			Type of log ZZ-Composite				
Fluid type Water		Fluid depth below LMP 1.84			at time 08:22		
Tool manufacturer and model, tool set depth error after logging, log paramet Tool run 1 Mount Sopris Instruments (Ma 0 ft, measuring bulk electrical Tool run 2 MSI, 2PGA, SN2339, 06/21/2 Tool run 3 Vista Clara (VC) NMR JP238, increments or at specific depth July 2016 at OGW-BG	er(s) and SI), 2PIA-1 conductivi 2017 at 09: SN0001, 6	date(s) of calibration 1000, SN 2377, 06/21 ity, calibrated in field :32, logging down and 6/21/2017 at 10:00 log	bn check /2017 at 09:04 on date of log d up at ~4.6 m/r	loggi min, r	ng down and measuring nat	up at ~4.6 tural gami	ma, calibrated at factory ents in 0.25 m and 0.5 m
Remarks For each depth, the decay data arr clay + capillary), Sum of Echoes (S greater than the free water cut off i was set at 3 ms. Using this clay cu fit of the multiexponential decay cu Hydraulic conductivity(K) was esti (SDR) and the Sum of Echoes (SC can be updated if better site specif	SOE), and s mobile, a t off, the b irve to the mated at e DE). The de	Mean Log T2 (MLT2) and all WC less than ound water can be su data. each depth using two efault parameters for	 The T2 "free the free water of the free water of bdivided into c empirical relation 	water cut-of lay-b ons, i	r cut-off" was 3 f is immobile o ound and cap including the S	33 ms. All or bound. illary bour Schlumbe	water content (WC) A T2 cut-off for clay nd. Noise indicates the rger-Doll research

