



<b>OWNER:</b> City of Atchison, KS		<b>BORING/WELL NO.</b> Land Line: OB #3 (L3N)	<b>PAGE</b> 1 <b>OF</b> 1 <b>PAGES</b>
<b>LOCATION:</b> North Test Well Site		<b>SCREEN:</b> PVC	
		<b>DIAMETER:</b> 2-inch	<b>SLOT NO.</b> 0.02-inch
<b>DATE COMPLETED:</b>		<b>SETTING:</b> 72 to 92 feet below ground	
<b>DRILLING COMPANY:</b> Terracon		<b>SAND PACK:</b>	
		<b>SETTING:</b> 67 to 92 feet below ground	
<b>DRILLING METHOD:</b> Rotary		<b>CASING:</b> 2-inch PVC	
<b>SAMPLING METHOD:</b> Split spoon with 2-inch or 3-inch sampler		<b>SETTING:</b> +2.58 to 72 feet below ground	
<b>OBSERVER:</b> Martha Silks		<b>SEAL TYPE:</b> bentonite pellet grout 67 to surface	
<b>REFERENCE POINT:</b> Native ground surface		<b>DEVELOPMENT:</b> by pump	
<b>REFERENCE POINT ELEVATION:</b> 790.997 feet msl		<b>DURATION:</b> until discharge appeared clear (minimum of 3 well volumes)	
<b>STICK-UP:</b> 2.58 feet above ground surface			
<b>SURFACE COMPLETION:</b> Steel locking casing, cement grout		<b>WATER LEVEL:</b> 19.96 feet below top of PVC casing	
<b>REMARKS:</b>		<b>YIELD:</b> na	

DEPTH IN FEET		Spl. Type (Rec.) / blow counts	GEOLOGIC DESCRIPTION
FROM	TO		
0	5	WB	sand, light brown, fine
5	15	WB	clay, light brown, sandy
15	27	WB	clay, dark gray, sandy
27	53	WB	sand, gray, medium to coarse
53	69.5	WB	sand, gray, very coarse
69.5	71.5	SS (13") 11,10,18,19	sand, gray, medium to fine, with lignite
71.5	73.5	SS (12") 11,10,16,16	sand, gray, medium to fine sand, trace rocks and coarse sand
73.5	75.5	SS (10") 10,12,8,9	AA, no rocks and layers of brown-gray sand, trace coal
75.5	77.5	SS (9") 8,9,13,13	AA, trace rocks and no coal, trace small black grains of lignite
77.5	79.5	SS (10") 7,8,10,11	AA, no rocks, with trace very fine black grains of lignite
79.5	81.5	SS (11") 7,12,7,8	AA, with layers of brown-gray sand, trace small gravel and coarse sand, no black grains of lignite
81.5	83.5	SS (8") 14,15,17,18	AA, with trace pea gravel and thin lenses of black lignite rich sand
83.5	85.5	SS (9") 8,11,11,11	AA, with lenses of coal
85.5	87.5	SS (0") 5,7,18,18	no sample
87.5	89.5	3" SS (10") 7,9,15,22	AA, slightly coarser
89.5	91.0	3" SS (6") 41,14,50/2"	AA (like the 83' sample) with large rocks, boulders
91.0			Shale