KENYON CORE
HYDRAULIC CONDUCTIVITY

SAMPLE (V=vertical, H=horizontal)	FLOW IN FEET/DAY	FLOW IN MILLIDARCIES	FACIES	ENVIRONMENT
DAKOTA FORMATION				
*V 137.4	1.3	490	BSS	Interdistr. Bay Fill
*H 137.4	2.8	1000	" "	" " " " " " " "
		Grey, fine to very fine-grained sanstone with some carbon grains.		
V 183.7	0.16	59	ST	Levee
V 183.8	0.17	61	ST	" "
		Very light grey, very fine-grained sandstone.		
V 319.8		no flow	SS	River Channel
		Grey, fine to very fine-grained sandstone with carbon grains.		
V 320		no flow	SS	River Channel
H 320	4.0	1600	" "	" " " "
		Grey and slightly reddish (iron hydroxide cement), medium to fine-grained sandstone with muddy, carbonaceous drapes.		
V 401	25	9100	XSS	River Channel
H 401	143	52000	" "	" " " "
V 401.25	30	11000	" "	" " " "
V 401.5	19	7000	" "	" " " "
V 402	4.5	1600	" "	" " " "
		Reddish, planar cross-bedded, medium-grained sandstone with mud drapes and some carbon grains. Tends to break pebbly due to clustered concentrations of calcite cement.		

KENYON CORE
HYDRAULIC CONDUCTIVITY

SAMPLE (V=vertical, H=horizontal)	FLOW IN FEET/DAY	FLOW IN MILLIDARCIES	FACIES	ENVIRONMENT
V 405	2.5	910	XSS	River Channel
H 405		no flow	" "	" " " "
V 405.5	0.54	190	" "	" " " "
V 406	3.1	1100	" "	" " " "
V 408	0.18	64	" "	" " " "

Grey, planar cross-bedded, medium-grained sandstone.
Very hard due to high percentage of calcite cement.

DAKOTA FORMATION
KIOWA FORMATION

V 419		no flow	CSS/SH	Distal bar

Grey, planar cross-laminated, silty, very fine-grained sandstone.

H 441		no flow	XSS	Distr. Mouth Bar

Dark grey, laminated, fine-grained sandstone.

V 442	0.064	23	XSS	Distr. Mouth Bar
H 442	2.7	980	" "	" " " " " "

Light grey, fine-grained sandstone with bidirectionally rippled cross-laminations.

V 442.2	1.7	610	XSS	Distr. Mouth Bar

Reddish, laminated, fine-grained sandstone.

KENYON CORE
HYDRAULIC CONDUCTIVITY

SAMPLE (V=vertical, H=horizontal)	FLOW IN FEET/DAY	FLOW IN MILLIDARCIES	FACIES	ENVIRONMENT
V 443.9	0.65	240	CSS/SH	Distal Bar
V 444	1.5	550	" "	" " " "
V 452.6	14	5000	" "	" " " "
H 452.6	59	21000	" "	" " " "
V 453.1	31	11000	" "	" " " "
		Reddish, medium to fine-grained sandstone.		
V 457.7	1.4	510	XSS	River/Distr. Channel
H 457.7	2.4	870	" "	" " " " " "
V 458		no flow	" "	" " " " " "
V 458.5	0.43	160	" "	" " " " " "
H 458.5	5.8	2100	" "	" " " " " "
		Grey, ripple cross-laminated, fine-grained sanstone.		
V 468.1	6.7	2400	XSS	River/Distr. Channel
V 472	9.6	3500	" "	" " " " " "
H 472	21	7700	" "	" " " " " "
		Reddish, planar cross-bedded, medium to fine-grained sandstone with rare mud intraclasts.		

KENYON CORE
HYDRAULIC CONDUCTIVITY

SAMPLE (V=vertical, H=horizontal)	FLOW IN FEET/DAY	FLOW IN MILLIDARCIES	FACIES	ENVIRONMENT
V 495.5	9.8	3500	ISS	River/Distr. Channel
H 495.5		no flow	" "	" " " " " "

Very light grey, fine-grained sandstone.

KIOWA FORMATION

*Same number for the vertical and horizontal pair indicates samples were taken next to one another.

Almost all of the sandstone is poorly cemented and soft. Most did not survive coring well enough for sampling.