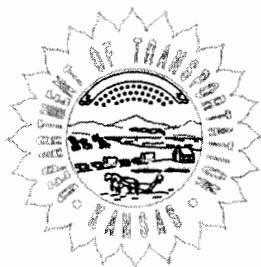


435/
Indian
Creek

$$W_{1/2} E_{1/2}$$

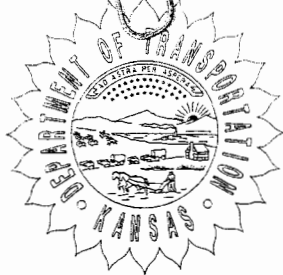

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO. 435-46	SOUNDING NO. CD*1	SHEET 1 OF 1
BRIDGE STA. 14+957.074	PROJ. NO. 435-46 K-7451-01	BRIDGE NO. 435-46-456(048)
SITE NAME EB I-435 over Indian Creek		HOLE STA. 14+917.8, 27.6m R/L
GEOLOGIST ROCKY CROW	SCALE 1:100 (10mm=1m)	DATE 10/02/03
DRILLER JIM BURNS	RIG TYPE CME-55	TOP HOLE ELEV. 274.428
GW ELEV. H 269.828	TOTAL DEPTH 11.64	M/B ELEV. 269.008

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION TEST (SPT)	
							N COUNT	ELEVATION
			0.0		274.428 Silty clay, tan/brown, moist			
8" Hollow Stem Augers	Soil Mantle			274				
				273				
				272				
				271		160		270.768
				270				
			5.42	269	269.008 Limestone, hard, gray, broken, stylolitic			
DRUM LS			6.28	268	268.148 Shale, green/olive/gray, clayey, becoming limy	490		267.758
						260		267.298
						13110		266.868
Diamond WESTERVILLE LIMESTONE	HOR		7.48	267	266.95 Limestone, very hard, gray, stylolitic			
				266		24800 56200		265.768 265.528
				265				
				264		71700		264.338
						59000		263.608
			11.18		263.248			
			11.64	263	262.788 Shale, olive-gray to gray, clayey to laminated	1370		262.938
				262				

KANSAS DEPARTMENT OF TRANSPORTATION



RTE./CO. 435-46	SOUNDING NO. CD#1	SHEET 1 OF 1
BRIDGE STA. 14+957.074	PROJ. NO. 435-46 K-7451-01	BRIDGE NO. 435-46-4.66(048)
SITE NAME EB I-435 over Indian Creek		HOLE STA. 14+917.8, 27.6m Rl
GEOLOGIST ROCKY CROW	SCALE 1:100 (10mm=1m)	DATE 10/02/03
DRILLER JIM BURNS	RIG TYPE CME-55	TOP HOLE ELEV. 274.428
GW ELEV. 14 269.828	TOTAL DEPTH 11.64	M/B ELEV. 269.008

BIT TYPE	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION TEST (SPT)	
							N COUNT	ELEVATION
			0.0	274.428				
8" Hollow Stem Augers	Soil Mantle			274	Silty clay, tan/brown, moist			
				273				
				272				
				271		160		270.768
				270				
			5.42	269.008				
	Drum LS		6.28	268.148	Limestone, hard, gray, broken, stylolitic			
	Quivira Shale			268	Shale, green/olive/gray, clayey, becoming limy	490		267.758
						260		267.298
						13110		266.868
			7.48	266.95				
Diamond	Westerville Limestone Mbr			267	Limestone, very hard, gray, stylolitic			
				266		24800		265.768
						56200		265.528
				265				
				264		71700		264.338
			11.18	263.248		59000		263.608
	Wed		11.64	262.788	Shale, olive-gray to gray, clayey to laminated	1370		262.938
				262				