



2 DDD

KANSAS DEPARTMENT OF TRANSPORTATION



1. ROUTE-COUNTY NO. 70-31	7. SOUNDING NO. CD # 1	2. SHEET 1 OF 1
2. BRIDGE STA. 226+05.11	8. PROJECT NO. K-5086-01	3. BRIDGE NO. 13.48
4. DESCRIPTION K-18 over I-70		4. HOLE STA. 48+72, 4.28
5. GEOLOGIST R. Hutchinson	6. VERTICLE SCALE 1"=10'	5. DATE 3-21-95
7. DRILLER Bob. Bergman	8. RIG B-61	6. ELEVATION TOP OF HOLE 1184.5
9. GROUND WATER ELEV. 1159.7	10. TOTAL DEPTH OF HOLE 425	7. ELEVATION TOP OF ROCK 1182.5

BIT TYPE & NO.	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION	STANDARD PENETRATION OR CASING DRIVE	
							BLOWS	ELEV.
					T.H.E. - 1184.5			
	Soil Mantle		20		1182.5 Silty Clay, brown			1182.5
3 1/2" Hawthorne Wash Bit	Wymore Shale Member		60	1180	1178.5 Wthrd. Sh., gray-maroon-olive		69	1178.3
					Sh., maroon-olive-gray			
			152	1170	1169.3			
Longyear Diamond Core Bit	Schroyer Limestone Member		180	1165.7	Ls., buff-lt. gray, some chert nodules	246.273	Sam #1	1167.0
			200	1164.5	Solution cavities, jointed			
			229	1161.6	Sh., gray tan			
			242	1160	1160.5 Ls. cherty, buff-light gray	637.003	Sam #2	1162.6
					Ls. non-cherty, buff-lt. gray, jointed			
			287	1155.8	Sh. dark gray with buff layers	38.885	Sam #3	1159.6
			306	1153.9	Ls. shly, light gray	132.429	Sam #4	1154.9
			333	1151.2	Sh. lmy, gray			
			346	1149.9	Ls. gray			
					Sh. dark gray	67.685	Sam #5	1148.0
			423	1142.3				
			425 TD	1140	1142.0			
					Core #1, 126-172 (1171.9-1166.8)			
					Cut: 5 1/2 Rec: 4 1/2			
					Core #2, 172-229 (1166.8-1161.6)			
					Cut: 5 1/2 Rec: 5 1/2			
					Core #3, 229-282 (1161.6-1156.5)			
					Cut: 5 1/2 Rec: 4 1/2			
					Core #4, 282-292 (1156.5-1155.5)			
					Cut: 1 1/2 Rec: 1 1/2			
					Core #5, 292-333 (1155.5-1151.2)			
					Cut: 4 1/2 Rec: 4 1/2			
					Core #6, 333-372 (1151.2-1146.8)			
					Cut: 4 1/2 Rec: 3 1/2			
					Core #7, 372-425 (1146.8-1142.0)			
					Cut: 4 1/2 Rec: 4 1/2			