

TEST-RECORD INSTRUCTIONS

1. Geologist in charge is to prepare a detailed sub-surface profile on center line of the site showing interpretations of logs.
2. Sub-surface profiles normal to center line are to be compiled if sub-surface conditions warrant.
3. The detail of each log is to show type of sample observed, accumulated depth to each formation or important change in characteristic, a detailed driving record and probable foundation characteristics.
4. Record ground water elevation if water table is present. Hole must be bailed twice and allowed to stand 10 hours before taking ground water elevation.
5. Indicate absence of ground water table.
6. One or more drive tests shall be made on each site as conditions warrant.
7. One or more core borings shall be made on each site with sufficient recovery in the clays and shales so that their physical properties may be examined.
8. Sufficient soundings shall be taken so as to justify the engineering-geology interpretations of the foundation studies.
9. Logs and sub-surface profiles shall be completed before leaving the project.
10. Obtain high water elevations at each site whenever possible and record, giving date and location of observation.

25-8564-S



4-55-150 BOOKS

RETURN TO
STATE HIGHWAY COMMISSION
OF KANSAS
TOPEKA

County Pottawatomie Date Oct. 1937

Route and Section 13-75-S-311(3)

Recorder _____

Geologist in charge Ferguson

Levelman _____

9-2-37

COUNTY		DATE	
Pottawatomie		Oct 1957	
RT. 13	SEC. 25	BR. NO. 19	PROJ. NO. 17-311(5)
STREAM NAME		Cedar Creek	
SOUNDING NO.		1	
GROUND WATER EL.		STA. 154.68	
B.M. NO.		VERTICAL SCALE 1"=10'	
POINT		B.M. EL.	1088.28
BM #34		H.I.	F.S.
Hole #1		B.S.	ELEV.
		5.20	1093.40
			6.25
			1087.25
			1087.23

FORMATION	EL. T.H.	SAMPLE	LOG	ACC. DEPTH	SUBMITTED BY	REMARKS
Mantle	1092				G.D. Ferguson	
Shale						T.H. Elev. 1087.25
						22 Top soil brown 1085.2
						Silt, gravel
						1s. rubble
						82 90# 1079.8 ✓
						Limestone, buff, clayey
						11 100-240# with lot ✓
						Shale, black, fissile 100-160#
						15 2 400# 23 grain 1071.5
						16 1 200-400 1070.8 ✓
						Shale, gray, clayey
						Buff limy zone lower part
						24 2 200#
						24 1 200-300# 1062.8 ✓
						24 1 200-300# 1062.55 ✓
						I.D. 321 (1062.55)

REMARKS
Ground water elev.
1080.7, taken 48
hours after drilling

(Stopped in same - Clearack Ls.)

2 COUNTY Kettowatonic DATE Oct. 1959				
RT. 13	SEC. 15 BR. NO. 19 PROJ. NO. K-311(3)			
STREAM NAME Cedar Creek BR. OR RD.				
SOUNDING NO. 2 STA. 154+72 RT. 115				
GROUND WATER EL. 1079.8 VERTICAL SCALE 1"=10'				
B.M. NO. 37 B.M. EL. 1088.28				
POINT	B.S.	H.I.	F.S.	ELEV.
BM #34	5.20	1093.50	1.53	1085.97
Hole #2				
FORMATION	LOG	ACC. DEPTH	SUBMITTED BY	DRIVE RECD
House Bismuth sh. ls. Mantle			G.J. Ferguson	
			REMARKS	
			T.H. Elev 1085.97	
			2' Topsoil, brown	
			Silt, gravel &	
			ls. rubble	
			7' ls. buff clayey sand	
			7' 20-26% ls. rubble	
			Shale, block fissile 300'	
			15' lower of gray 1077.5	
			ls. buff	
			14' 300-350'	
			(Stopped in ls.)	
			T.D. 14' (1071.57)	
			Water level 6'	
			below surface (1079.8)	
			49 hrs. after	
			drilling.	

2					
FORMATION	EL. T.H.	SAMPLE	ACC. DEPTH	SUBMITTED BY	DRIVE RECD
				G.J. Ferguson	
				REMARKS	
				T.H. Elev 1085.97	
				2' Topsoil, brown	
				Silt, gravel &	
				ls. rubble	
				7' ls. buff clayey sand	
				7' 20-26% ls. rubble	
				Shale, block fissile 300'	
				15' lower of gray 1077.5	
				ls. buff	
				14' 300-350'	
				(Stopped in ls.)	
				T.D. 14' (1071.57)	
				Water level 6'	
				below surface (1079.8)	
				49 hrs. after	
				drilling.	

3 COUNTY <i>Rhineham's</i> DATE <i>Oct 1957</i>						
RT. <i>13</i>	SEC. <i>25</i> BR. NO. <i>19</i> PROJ. NO. <i>12-311(S)</i>					
STREAM NAME <i>Cedar Creek</i> BR. OR RD.						
SOUNDING NO. <i>2</i> STA. <i>154+62</i> <i>11 115</i>						
GROUND WATER EL. — VERTICAL SCALE <i>1"=10'</i>						
B.M. NO. <i>94</i>	B.M. EL. <i>1088.28</i>					
POINT	B.S.	H.I.	F.S.	ELEV.		
<i>BM#34</i>				<i>1088.28</i>		
<i>HL#3</i>	<i>5.20</i>	<i>1093.50</i>	<i>4.68</i>	<i>1088.82</i>		
<i>BM#34</i>			<i>5.20</i>	<i>1088.28</i>		
FORMATION	EL. T.H.	SAMPLE	LOG	ACC. DEPTH	SUBMITTED BY	REMARKS
					<i>G.J. Ferguson</i>	
<i>10 R</i>			<i> </i>			<i>T.H. Elev 1059.82</i>
<i>Howe</i>			<i> </i>			<i>20 Topsoil, brown silt</i>
<i>Howe</i>			<i> </i>			<i>silt, gravel</i>
<i>Howe</i>			<i> </i>			<i>1/2 ls. rubble</i>
<i>Howe</i>			<i> </i>			<i>9 1/2 40-60# 1099.4</i>
<i>Howe</i>			<i> </i>			<i>Limestone, buff. clayey</i>
<i>Howe</i>			<i> </i>			<i>14 1/2 100-400# 1094.8</i>
<i>Howe</i>			<i> </i>			<i>Shale, black, fissile 200'</i>
<i>Howe</i>			<i> </i>			<i>17 1/2 approx. gray 1090.9</i>
<i>Howe</i>			<i> </i>			<i>1/2 ls. Buff</i>
<i>Howe</i>			<i> </i>			<i>18 1/2 250-300# 1090.2</i>
<i>Howe</i>			<i> </i>			<i>(Stopped in 15.)</i>
<i>Howe</i>			<i> </i>			<i>T.D. 18" (1090.82)</i>
<i>Howe</i>			<i> </i>			<i>Hole caved at 4' below</i>
<i>Howe</i>			<i> </i>			<i>surface (1084.2)</i>

DRIVE RECD		REMARKS
		<i>P.A. Hole #1</i>
		<i>Sta. 154+42 Lt 115</i>
		<i>T.H. Elev. 1088.4</i>
		<i>0 1/2 topsoil, brown silt.</i>
		<i>0 1/2 Silt, gravel. &</i>
		<i>1/2 rubble</i>
		<i>9 1/2 (1099.3) Limestone</i>
		<i>buff. clayey</i>
		<i>Thin green shale</i>
		<i>break near center</i>
		<i>with'd top.</i>
		<i>13 1/2 (1094.6) Shale,</i>
		<i>gray</i>
		<i>14 1/2 (1094.1) Shale,</i>
		<i>black fissile</i>
		<i>(Stopped in same)</i>
		<i>T.D. 16 1/2 (1092.0)</i>

Point	BS	HI	FS	Elev.	✓
BM #44				1185.12	✓
	3.36	1188.48			
01	1.38	1177.54	12.32	1176.16	✓
Sta. 250+50 Rt. 14	HA Hole #1		2.85	1174.69	
	Ⓢ		5.80	1171.74	✓
11.13	HA Hole #2		3.54	1174.00	✓
11.10			6.33	1171.21	✓
Sta. 250+80 Rt. 14	Dug top		5.65	1171.89	✓

10 COUNTY Potomac DATE Oct. 1957		PROJ. NO.	
RT. 13	SEC. 25	BR. NO.	
STREAM NAME Cedar Creek Char. Co. Br. OR RD.			
SOUNDING NO. 1 STA. 250+80 H. 150			
GROUND WATER EL. — VERTICAL SCALE 1"=10'			
B.M. NO.	44	B.M. EL.	1185.12
POINT	B.S.	H.I.	F.S.
BM # 44			1185.12
Hole # 1	2.75	1187.87	5.06
BM # 44			1185.12
FORMATION	EL. T.H.	SAMPLE	LOG
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COUNTY		DATE		BR. NO.		PROJ. NO.	
RT. SEC.		STREAM NAME		BR. OR RD.			
SOUNDING NO.		STA.		VERTICAL SCALE			
GROUND WATER EL.		B.M. EL.					
POINT	B.S.	H.I.	F.S.	ELEV.			
FORMATION	SAMPLE	LOG	ACC. DEPTH	SUBMITTED BY			
				G.J. Ferguson			
				REMARKS			
				P.A. Hole #1			
				Sta. 251+00 Lt. 150			
				T.H. Elev. 1182.93			
				02 Top soil, brown silt.			
				32 (1179.9) Reddish-brown silty clay			
				22 1/2 (1160.0) Silty clay & ls. gravel			
				28 1/2 (1154.9) Brown clayey silt.			
				33 1/2 (1149.4) Shale, maroon, with top.			
				(Stopped in same)			
				T.D. 35 1/2 (1147.2)			
				Water level 14 1/2 below surface (1168.3)			
				Taken 120 hrs. after drilling.			

REMARKS	
P.A. Hole #2	
Sta. 246+20 Lt. 150	
T.H. Elev. 1179.12	
02 Top soil, brown silt.	
32 (1176.1) Silty-clay, reddish-brown	
(Stopped in same)	
T.D. 29 1/2 (1149.3)	
Water level 7 1/2 below surface (1171.9)	
Taken 140 hrs. after drilling.	
P.A. Hole #3	
Sta. 240+00 Lt. 245	
T.H. Elev. 1170.95	
02 Top soil, brown silt.	
32 (1167.9) Reddish-brown silty clay.	
7 1/2 (1163.6) Silty-clay & limestone gravel	
(Stopped in same)	
T.D. 23 1/2 (1147.2)	
Water level 8 1/2 below surface (1162.4)	
Taken 140 hrs. after drilling.	

REMARKS
P.A. Hole #2
Sta. 246 + 20 Lt. 150
T.H. Elev. 1179.12
0 ² Top soil, brown silt.
3 ² (1176.1) Silty-clay, reddish-brown
(Stopped in same)
T.D. 29 ² (1149.3)
Water level 7 ² below surface (1171.8)
Taken 140 hrs. after drilling.
P.A. Hole #3
Sta. 240 + 00 Lt. 245
T.H. Elev. 1170.95
0 ² Top soil, brown silt.
3 ² (1167.9) Reddish-brown silty clay.
7 ² (1163.6) Silty-clay & limestone gravel
(Stopped in same)
T.D. 23 ² (1147.2)
Water level 8 ² below surface (1162.4)
Taken 140 hrs. after drilling.

245 + 00 Lt. 245
 T.H. Elev. 1170.95
 0² Top soil, brown silt.
 3² (1167.9) Reddish-brown silty clay.
 7² (1163.6) Silty-clay & limestone gravel
 (Stopped in same)
 T.D. 23² (1147.2)
 Water level 8² below surface (1162.4)
 Taken 140 hrs. after drilling.



