

no  
sent to be  
checked

### TEST-RECORD INSTRUCTIONS

1. Sample of soil or rock drilled with fishtail are to be taken so as to show character of materials penetrated in each five (5) feet of depth, or less if important change of formations is noted.

2. Chief of Party is to prepare detailed log of well describing rock formations penetrated together with exact depths at which rock changes are encountered.

3. Chief of Party is to save all core and fishtail samples, carefully labelling such samples, as to location and depth, indicating top and bottom of each core section.

4. Show in remarks column location of limestone contacts with grade line.

5. Show in remarks column the water-bearing formations.

6. Recommended vertical scale 1" = 10'.

7. Recommended that test hole data start in upper one inch of column El. T. H.

#### Symbol Reference:

H. W. El.—High Water Elevation

H. W. Date—High Water Date

El. T. H.—Elevation Top of Hole

RETURN TO

STATE HIGHWAY COMMISSION  
OF KANSAS

TOPEKA

County Pottawatomie Date 3/29/41

Route and Section 63-75-145 A(1)

Recorder .....

Chief of Party Fred Sommer

Levelman .....

1 COUNTY Pottawatomie MACHINE

RT. 12-75 SEC. A(4) BR. NO. PROJ. NO. 175

STREAM NAME BR. OR RD.

H.W. EL. H.W. DATE AUTHORITY

GROUND WATER EL.

B.M. NO. 84 B.M. EL. 1078.175

POINT	B.S.	H.I.	F.S.	ELEV.
<u>BM 84</u>	<u>2.700</u>	<u>1080.875</u>	<u>0.070</u>	<u>1080.805</u>
<u>12.430</u>	<u>1093.725</u>	<u>0.270</u>	<u>1092.965</u>	
<u>12.020</u>	<u>1114.985</u>	<u>0.890</u>	<u>1104.095</u>	
<u>12.450</u>	<u>1116.245</u>	<u>0.120</u>	<u>1116.425</u>	
<u>8.200</u>	<u>1116.245</u>	<u>8.000</u>	<u>1108.245</u>	
<u>8.200</u>	<u>1116.245</u>	<u>16.600</u>	<u>1099.645</u>	

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <u>1</u>
				LOCATION <u>sta 638+00 R.</u>
				VERTICAL SCALE <u>1"=10'</u>
				SUBMITTED BY <u>Ted Summers</u>
				DATE <u>3-41</u>

REMARKS

1091.825  
Top of h.c.

REMARKS

1

2 COUNTY *Pottawatomie* MACHINE *N<sup>o</sup> 1*

RT *63-75* SEC. *A11* BR. NO. PROJ. NO. *145*

STREAM NAME *Little Noxie* BR. OR RD.

H.W. EL. H.W. DATE AUTHORITY

GROUND WATER EL.

B.M. NO. *24* B.M. EL. *1078.175*

POINT	B.S.	H.I.	F.S.	ELEV.
<i>B11<sup>th</sup> 24</i>	<i>12.40</i>	<i>1070.515</i>	<i>0.04</i>	<i>1090.535</i>
	<i>10.01</i>	<i>1100.545</i>		
			<i>10.04</i>	<i>1090.505</i>
				<i>T. R.</i>

FORMATION EL. T.H. CORE SAMPLE LOG

SOUNDING NO. *1 "A"*

LOCATION *Sta. 638+00 Lt 10'*

VERTICAL SCALE *1" = 10'*

SUBMITTED BY *Ted Sommers*

DATE *3-41*

REMARKS

*1090.505*  
*Top of Rock*

*Howe Is.*

REMARKS

2

COUNTY <i>Pottawatomie</i> MACHINE				
RT. <i>13-25</i> SEC. <i>A(1)</i>		BR. NO.	PROJ. NO. <i>175</i>	
STREAM NAME			BR. OR RD.	
H.W. EL.	H.W. DATE		AUTHORITY	
GROUND WATER EL.				
B.M. NO. <i>24</i>		B.M. EL. <i>1078.175</i>		
POINT	B.S.	H.I.	F.S.	ELEV.
<i>BM#24</i>	<i>2.700</i>	<i>1080.875</i>	<i>2.230</i>	<i>1078.455</i>
	<i>7.000</i>	<i>1080.495</i>	<i>1.000</i>	<i>1079.495</i>
				<i>EL.T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>2</i>
				LOCATION <i>Sta. 630+10 Rt 7</i>
				VERTICAL SCALE <i>1"=10'</i>
				SUBMITTED BY <i>Ted Summers</i>
				DATE <i>3-41</i>

REMARKS	

REMARKS

COUNTY <i>Pottawatomie</i> MACHINE <i>N21</i>			
RT. <i>63-75</i> SEC. <i>AU</i>		BR. NO. <i>145</i>	
STREAM NAME		BR. OR RD.	
H.W. EL.	H.W. DATE	AUTHORITY	
GROUND WATER EL.			
B.M. NO. <i>24</i>		B.M. EL. <i>1078.175</i>	
POINT	B.S.	H.I.	F.S.
<i>BM#24</i>	<i>2.70</i>	<i>1080.875</i>	<i>1073.495</i>
	<i>1.20</i>	<i>1074.695</i>	<i>1067.795</i>
			<i>7.75</i>
SOUNDING NO. <i>3</i>			
LOCATION <i>Sta. 638+36 Rt 13</i>			
VERTICAL SCALE <i>1"=10'</i>			
SUBMITTED BY <i>Ted Sommers</i>			
DATE <i>3-41</i>			

FORMATION

EL. T.H.

CORE SAMPLE

LOG

REMARKS

*1067.795**hard gray shales**Hughes Co. Sh.**Hard Tuffs*

REMARKS

5 COUNTY <i>Potomac</i> MACHINE				
RT. <i>63-75</i> SEC. <i>AU</i>		BR. NO.	PROJ. NO. <i>145</i>	
STREAM NAME			BR. OR RD.	
H.W. EL.	H.W. DATE		AUTHORITY	
GROUND WATER EL.				
B.M. NO.	<i>R4</i>		B.M. EL. <i>1078.175</i>	
POINT	B.S.	H.I.	F.S.	ELEV.
<i>BM #24</i>	<i>2.700</i>	<i>1080.875</i>	<i>7.38</i>	<i>1073.495</i>
	<i>1.200</i>	<i>1074.695</i>	<i>6.900</i>	<i>1069.795</i>
				<i>T.R.</i>
FORMATION	EL. T.H.	CORE SAMPLE	LOG	
			SOUNDING NO. <i>3A</i>	
			LOCATION <i>Sta. 638+32, ht 9'</i>	
			VERTICAL SCALE <i>1"=10'</i>	
			SUBMITTED BY <i>Ted Sommers</i>	
			DATE <i>3-41</i>	
			REMARKS <i>1062.795</i> <i>Hard gray shale</i>	

6 COUNTY *Patuxent* MACHINE *1421*

RT. *13-25* SEC. *A11* BR. NO. PROJ. NO. *145*

STREAM NAME BR. OR RD.

H.W. EL. H.W. DATE AUTHORITY

GROUND WATER EL.

B.M. NO. *R4* B.M. EL. *1078.175*

POINT	B.S.	I.I.	F.S.	ELEV.
<i>BM R4</i>	<i>2.70</i>	<i>1080.875</i>	<i>9.69</i>	<i>1071.185</i>
				<i>E.I.T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>4</i>
				LOCATION <i>Sta. 638+63 Lt. 13'</i>
				VERTICAL SCALE <i>1"=10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-41</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	REMARKS
<i>Hughes Sh.</i>		<i>Hand Tools</i>		
				<i>1071.185</i>
				<i>Soil</i>
				<i>1069.565</i>
				<i>Gravel</i>
				<i>5:1</i>
				<i>Rich shale</i>
				<i>1066.305</i>
				<i>1064.085</i>
				<i>putting</i>
				<i>stopped in hard sh.</i>

REMARKS

6

7 COUNTY *Potomac* MACHINE *No 1*

RT. *63-75* SEC. *A(1)* BR. NO. PROJ. NO. *145*

STREAM NAME BR. OR RD.

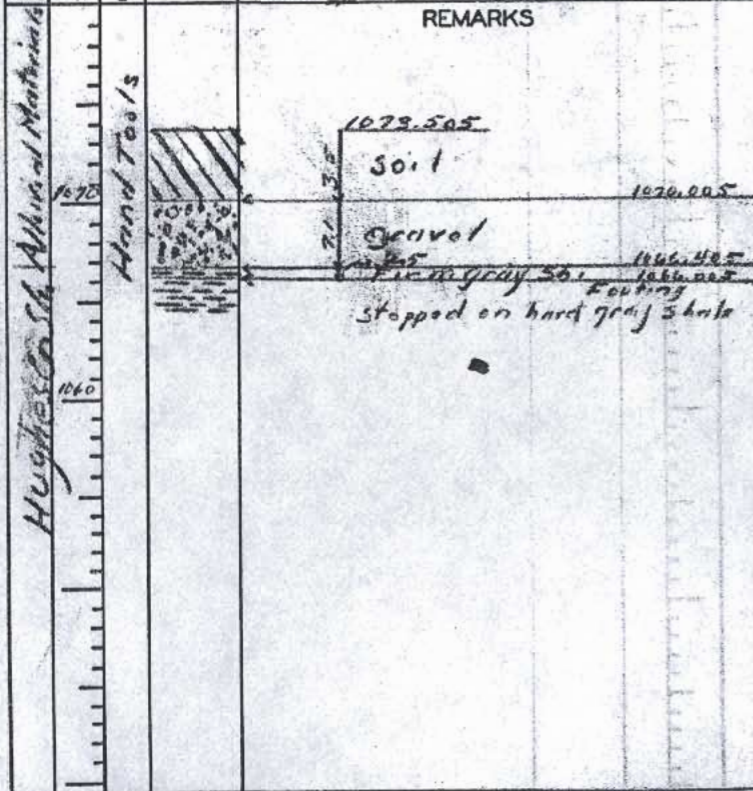
H.W. EL. H.W. DATE AUTHORITY

GROUND WATER EL.

B.M. NO. *R4* B.M. EL. *1078.175*

POINT	B.S.	H.I.	F.S.	ELEV.
<i>RM#24</i>	<i>2.700</i>	<i>1080.875</i>		
			<i>7.370</i>	<i>1073.505</i>
				<i>El. T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>5</i>
				LOCATION <i>Sta. 638+98 Rt. 13'</i>
				VERTICAL SCALE <i>1"=10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-41</i>



7

REMARKS



COUNTY Potawatami MACHINE

RT. 13-75 SEC. A/D BR. NO. PROJ. NO. 145

STREAM NAME BR. OR RD.

H.W. EL. H.W. DATE AUTHORITY

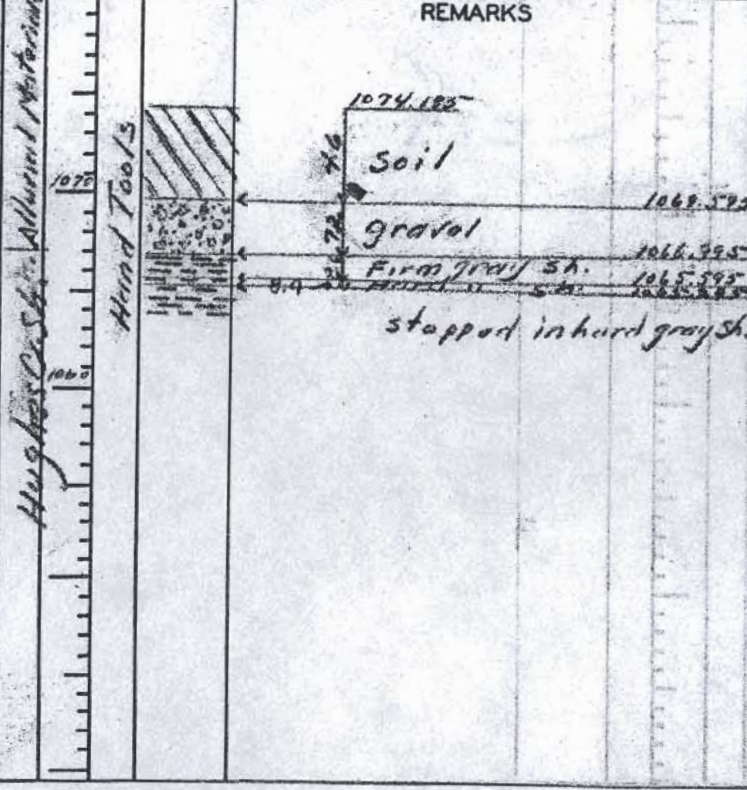
GROUND WATER EL.

B.M. NO. 24 B.M. EL. 1078.175

POINT	B.S.	H.I.	F.S.	ELEV.
<u>BM# 24</u>	<u>2.768</u>	<u>1080.875</u>	<u>6.68</u>	<u>1074.195</u>
				<u>EL. T.H.</u>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <u>6</u>
				LOCATION <u>Sta. 634+26 R</u>
				VERTICAL SCALE <u>1"=10'</u>
				SUBMITTED BY <u>Ted Sommers</u>
				DATE <u>3-41</u>

REMARKS



COUNTY <i>Pottawatomie</i> MACHINE <i>No. 1</i>				
RT <i>63-75</i> SEC. <i>A111</i> BR. NO.		PROJ. NO. <i>145</i>		
STREAM NAME <i>Little Noxie</i>				BR. OR RD.
H.W. EL.	H.W. DATE	AUTHORITY		
GROUND WATER EL.				
B.M. NO.	B.M. EL. <i>1018.173</i>			
POINT	B.S.	H.I.	F.S.	ELEV.
<i>24</i>	<i>12.40</i>	<i>1090.575</i>	<i>0.04</i>	<i>1090.535</i>
	<i>10.01</i>	<i>1100.545</i>	<i>9.46</i>	
				<i>1091.085</i>
				<i>T.R.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>1 "B"</i>
				LOCATION <i>Sta 638+00 Rt 10'</i>
				VERTICAL SCALE <i>1" = 10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-41</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	REMARKS
				<p><i>Howe ls.</i></p> <p><i>Hand tools</i></p> <p><i>1091.085</i></p> <p><i>Top of Rock</i></p>

10 COUNTY *Dakota* MACHINE *N<sup>o</sup> 21*

RT. *73* SEC. *A11* BR. NO. PROJ. NO. *145*

STREAM NAME BR. OR RD.

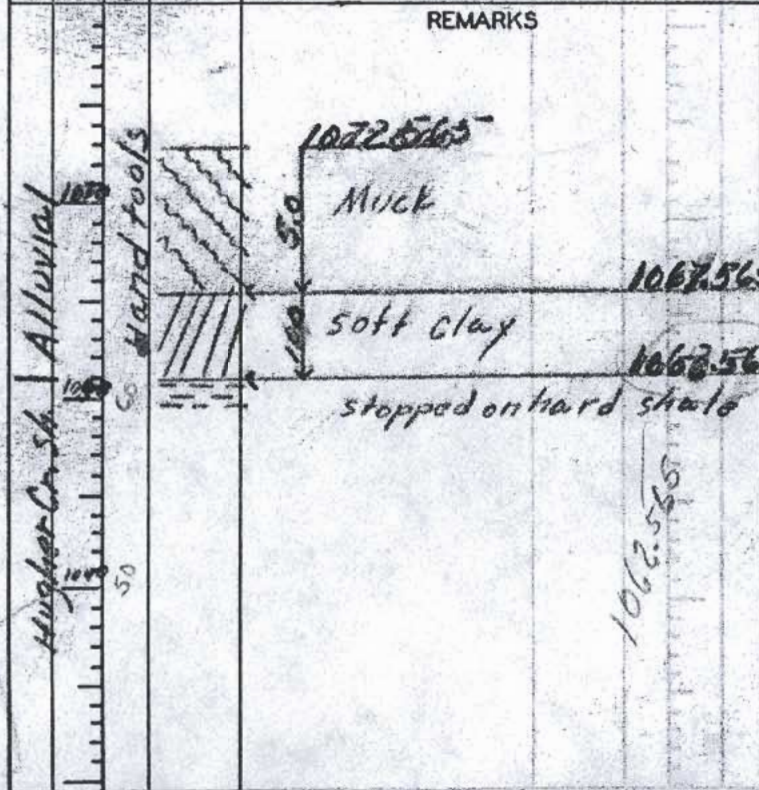
H.W. EL. H.W. DATE AUTHORITY

GROUND WATER EL.

B.M. NO. *B11<sup>o</sup> 21* B.M. EL. *1077.535*

POINT	B.S.	H.I.	F.S.	ELEV.
<i>B11<sup>o</sup> 21</i>	<i>8.00</i>	<i>1086.425</i>	<i>13.86</i>	<i>1072.565</i>
				<i>El. 7.14.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>1</i>
				LOCATION <i>Sta. 614+01 1st 1'</i>
				VERTICAL SCALE <i>1" = 10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>5-4-1</i>



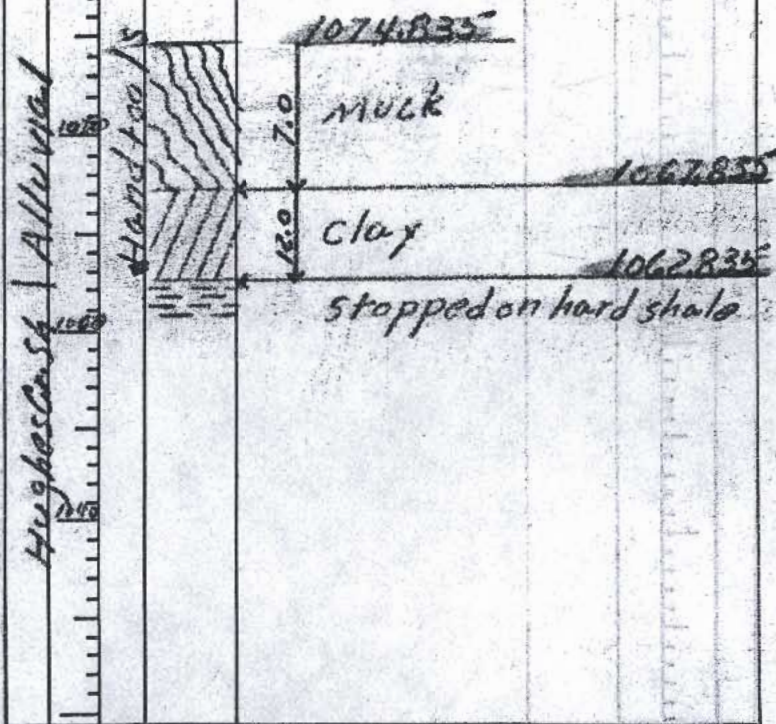
REMARKS

10

11 COUNTY <i>Pottawatomie</i> MACHINE <i>No 1</i>				
RT <i>63-73</i> SEC. <i>All</i>		BR. NO.	PROJ. NO. <i>145</i>	
STREAM NAME			BR. OR RD.	
H.W. EL.	H.W. DATE		AUTHORITY	
GROUND WATER EL.				
B.M. NO.	<i>21</i>		B.M. EL. <i>1077.535</i>	
POINT	B.S.	H.I.	F.S.	ELEV.
<i>21</i>	<i>8.89</i>	<i>1086.425</i>	<i>11.59</i>	<i>1074.835</i>
				<i>E.L.T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>2</i>
				LOCATION <i>Sta. 6114+14 L.P. 14'</i>
				VERTICAL SCALE <i>1" = 10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-4-1</i>

REMARKS



REMARKS	
<p> <i>1074.835</i>  <i>1067.835</i>  <i>1062.835</i> </p>	

COUNTY *Pottawatomie* MACHINE *N 21*RT. *63-75 SEC. A(1)* BR. NO. PROJ. NO. *145*STREAM NAME *Cross Creek* BR. OR RD.

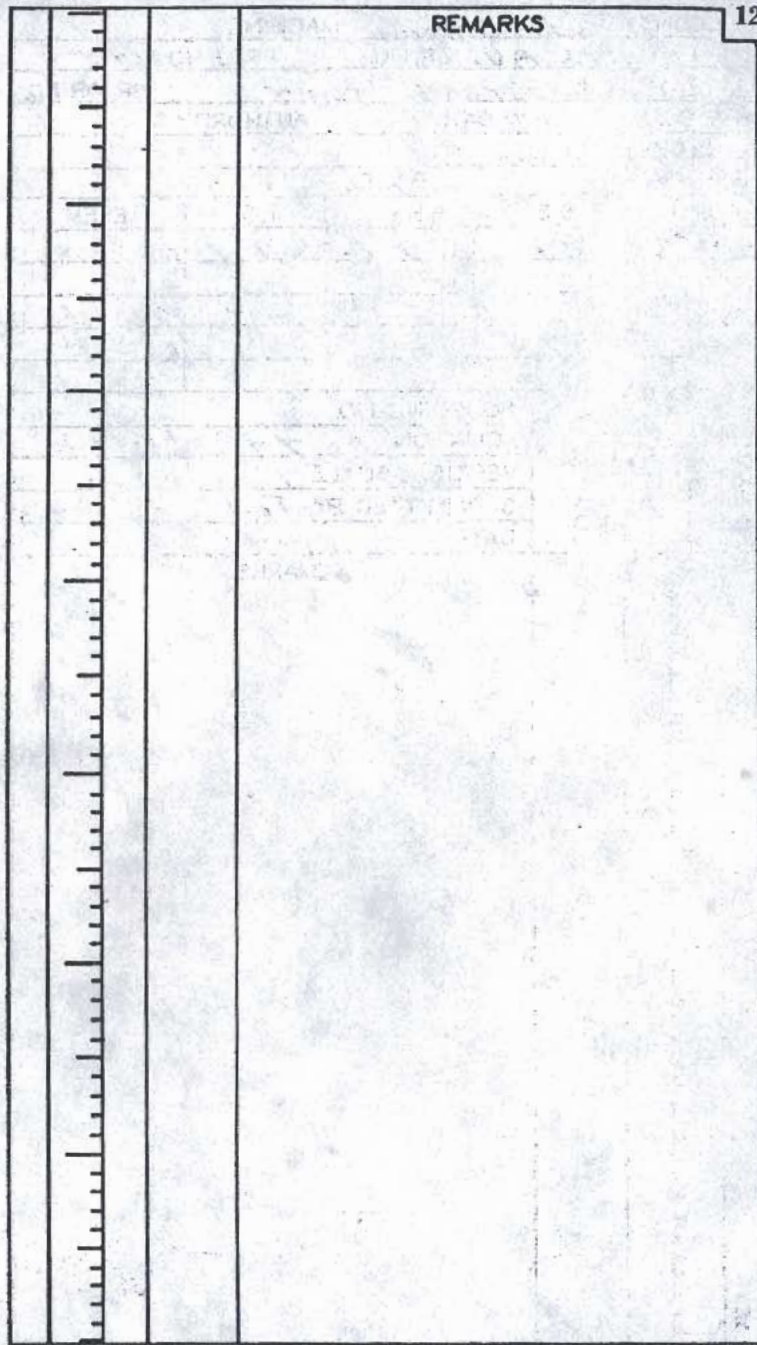
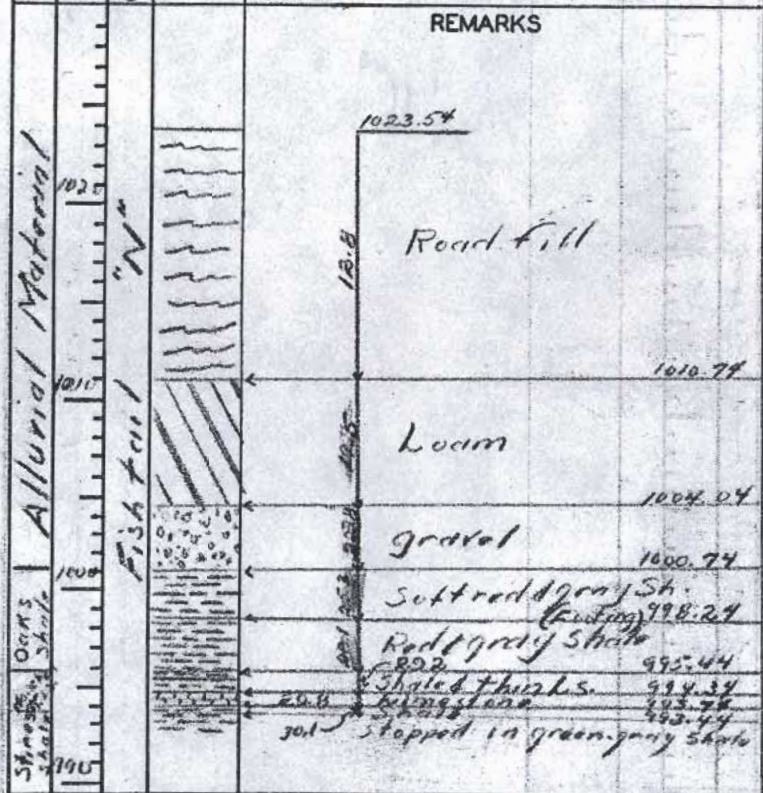
H.W. EL. H.W. DATE AUTHORITY

GROUND WATER EL.

B.M. NO. *6* B.M. EL. *1026.47*

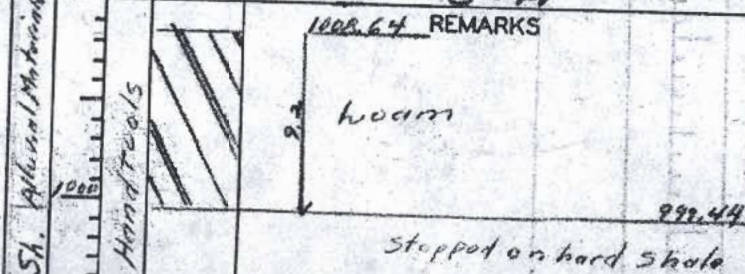
POINT	B.S.	H.I.	F.S.	ELEV.
<i>BM#6</i>	<i>202</i>	<i>1028.49</i>		
			<i>4.95</i>	<i>1023.54</i>
				<i>E.I.T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO.	LOCATION	VERTICAL SCALE	SUBMITTED BY	DATE
				<i>1</i>	<i>Sta. 448+38 RTB</i>	<i>1"=10'</i>	<i>Ted Sommers</i>	<i>3-41</i>



COUNTY <i>Pottawatomie</i> MACHINE				
RT. <i>63-75 SEC. A(1)</i> BR. NO.		PROJ. NO. <i>145</i>		
STREAM NAME <i>Cross Creek</i>		BR. OR RD.		
H.W. EL.	H.W. DATE	AUTHORITY		
GROUND WATER EL.				
B.M. NO.	<i>6</i>	B.M. EL. <i>1026.47</i>		
POINT	B.S.	H.I.	F.S.	ELEV.
<i>BM #6</i>	<i>2.02</i>	<i>1028.49</i>	<i>8.42</i>	<i>1026.07</i>
	<i>1.61</i>	<i>1021.68</i>		
			<i>13.04</i>	<i>1008.64</i>
				<i>E.I.T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>2</i>
				LOCATION <i>Sta. 448+80 Lt 10'</i>
				VERTICAL SCALE <i>1"=10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-41</i>



14 COUNTY *Potomac* MACHINE

RT. *13-75* SEC. *A(1)* BR. NO. PROJ. NO. *145*

STREAM NAME *Cross Creek* BR. OR RD.

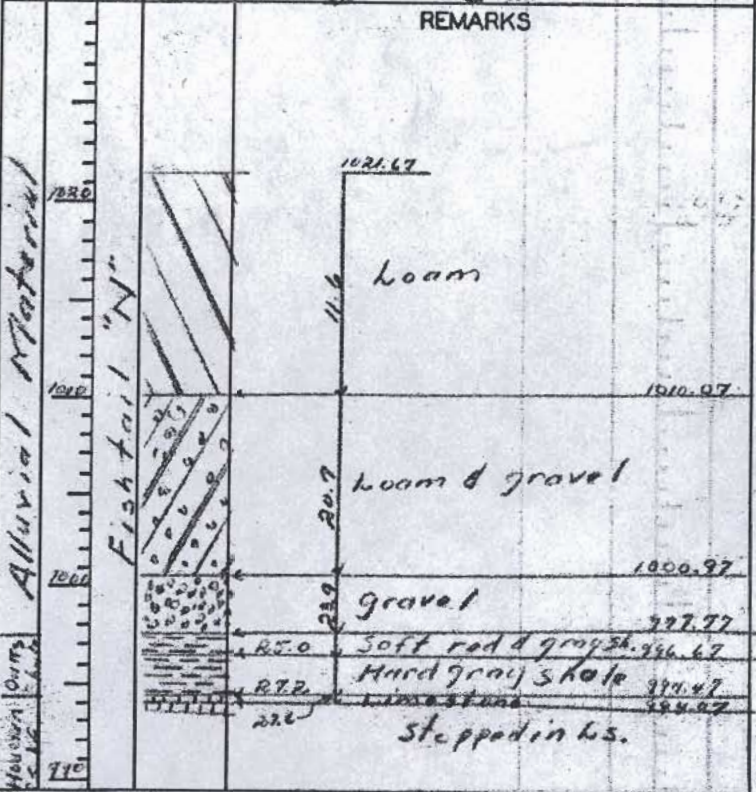
H.W. EL. H.W. DATE AUTHORITY

GROUND WATER EL.

B.M. NO. *6* B.M. EL. *1026.47*

POINT	B.S.	H.I.	F.S.	ELEV.
<i>BM#6</i>	<i>2.02</i>	<i>1028.49</i>		
			<i>6.82</i>	<i>1021.67</i>
				<i>E.T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>3</i>
				LOCATION <i>Sta. 449+25 Rt 9</i>
				VERTICAL SCALE <i>1"=10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-4</i>

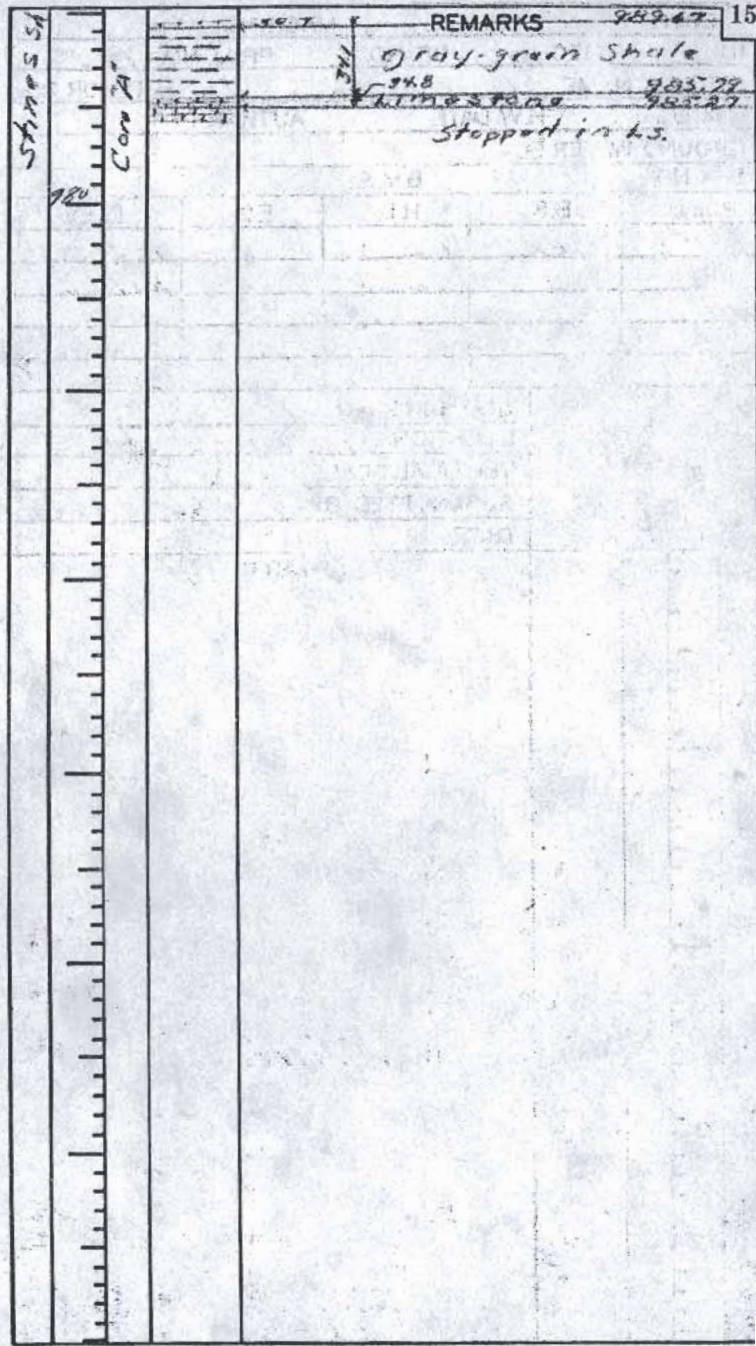
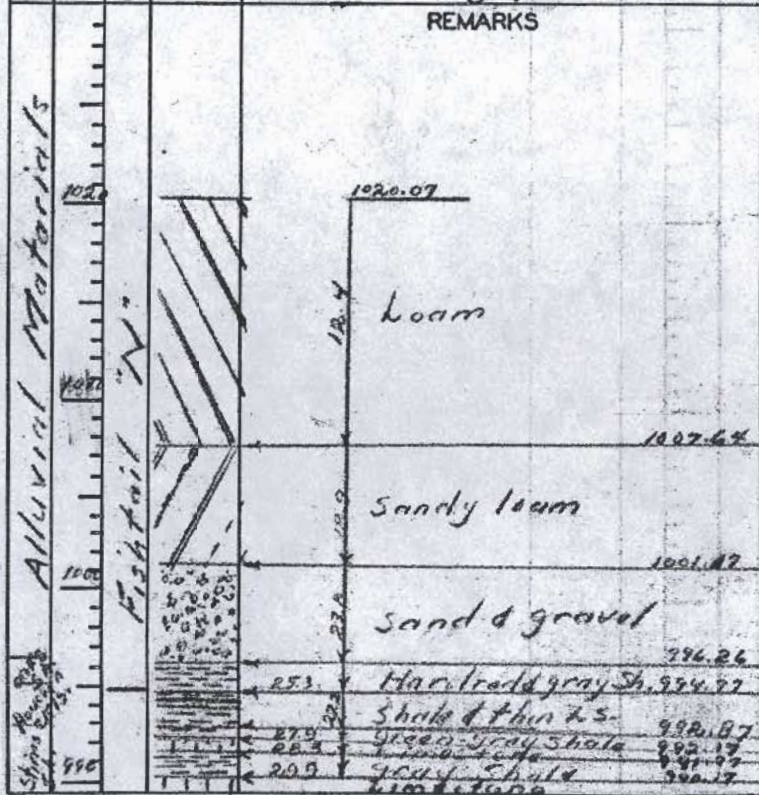


14

REMARKS

COUNTY <i>Potomac</i> MACHINE				
RT. <i>13-75</i> SEC. <i>A11</i> BR. NO.		PROJ. NO. <i>145</i>		
STREAM NAME <i>Cross Creek</i>		BR. OR RD.		
H.W. EL.	H.W. DATE	AUTHORITY		
GROUND WATER EL.				
B.M. NO. <i>6</i>	B.M. EL. <i>1026.47</i>			
POINT	B.S.	H.I.	F.S.	ELEV.
<i>B17#6</i>	<i>2.02</i>	<i>1028.49</i>	<i>8.42</i>	<i>1020.07</i>
				<i>E.L.T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>4</i>
				LOCATION <i>sta 479+70 L.F.9</i>
				VERTICAL SCALE <i>1=10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-41</i>

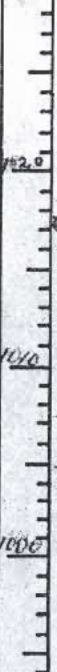




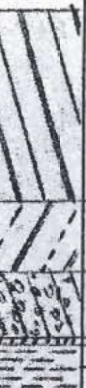
COUNTY <i>Patawatonia</i>		MACHINE		
RT. <i>19-75</i> SEC. <i>A(1)</i>		BR. NO.	PROJ. NO. <i>145</i>	
STREAM NAME <i>Underpass</i>		BR. OR RD.		
H.W. EL.	H.W. DATE	AUTHORITY		
GROUND WATER EL.				
B.M. NO. <i>6</i>	B.M. EL. <i>1026.47</i>			
POINT	B.S.	H.I.	F.S.	ELEV.
<i>BM# 6</i>	<i>2.02</i>	<i>1028.49</i>	<i>8.42</i>	<i>1026.07</i>
	<i>1.61</i>	<i>1021.68</i>	<i>2.12</i>	<i>1019.06</i>
	<i>4.13</i>	<i>1023.19</i>		
			<i>5.17</i>	<i>1018.08</i>
				<i>ELTH</i>
FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>1</i>
				LOCATION <i>Sta 452+00 Rt. 109</i>
				VERTICAL SCALE <i>1"=10'</i>
				SUBMITTED BY <i>Ted Summers</i>
				DATE <i>3-41</i>
REMARKS				

COUNTY <i>Potawatonic</i> MACHINE N <sup>o</sup> 1				
RT <i>63-75</i> SEC. A(1) BR. NO.		PROJ. NO. <i>145</i>		
STREAM NAME <i>Under pass</i>		BR. OR RD.		
H.W. EL.	H.W. DATE	AUTHORITY		
GROUND WATER EL.				
B.M. NO.	<i>6</i>	B.M. EL.	<i>1026.47</i>	
POINT	B.S.	H.I.	F.S.	ELEV.
<i>B/M #6</i>	<i>2.02</i>	<i>1028.49</i>	<i>8.42</i>	<i>1020.07</i>
	<i>1.61</i>	<i>1021.68</i>	<i>2.62</i>	<i>1019.06</i>
	<i>4.13</i>	<i>1023.19</i>		
			<i>4.18</i>	<i>1019.01</i>
				<i>E.I.T.H</i>
FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>2</i>
				LOCATION <i>Sta 452+30 Rt 75</i>
				VERTICAL SCALE <i>1" = 10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-41</i>
REMARKS				

*0-15 shale*  
*Alluvial Materials*



*Fish tail N<sup>o</sup>*



*1019.01*

*loam*

*1009.71*

*silty loam*

*1005.81*

*clay & gravel*

*(Facing) 1008.11*

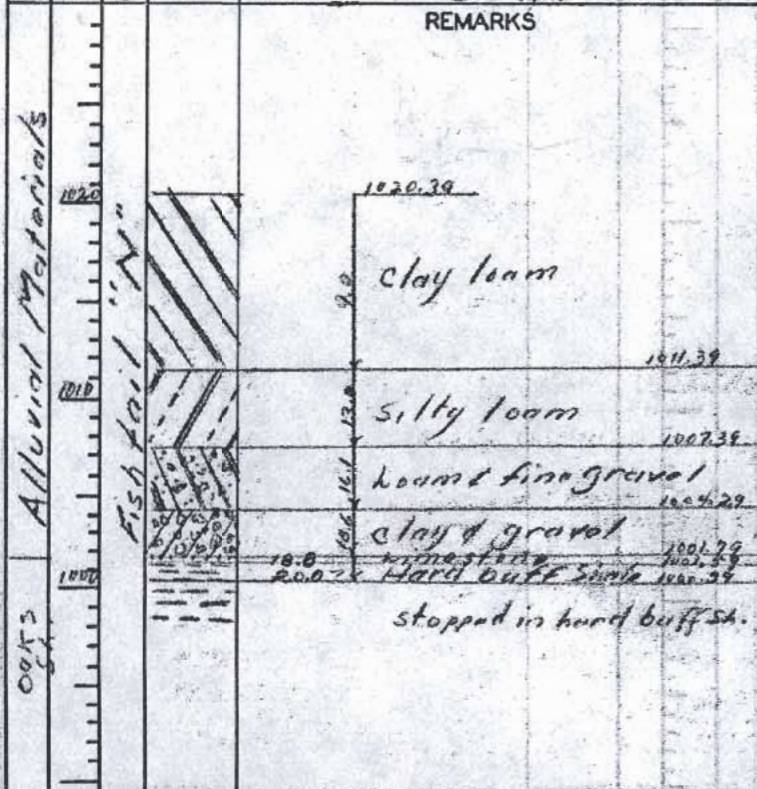
*limestone*

*16.3* *Hard gray shale* *1002.71*

*stopped in hard gray sh.*

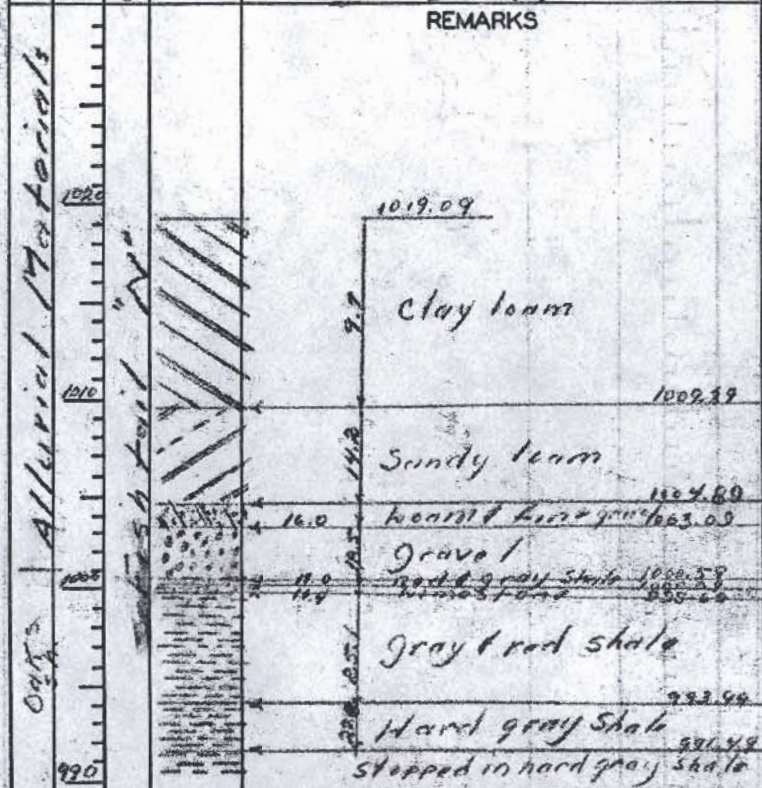
COUNTY <i>Polk</i> WATER MACHINE <i>No 1</i>				
RT. <i>63-75</i> SEC <i>A11</i>		BR. NO.	PROJ. NO. <i>145</i>	
STREAM NAME <i>Under pass</i>			BR. OR RD.	
H.W. EL.	H.W. DATE	AUTHORITY		
GROUND WATER EL.				
B.M. NO.	<i>6</i>	B.M. EL.	<i>1026.47</i>	
POINT	B.S.	H.I.	F.S.	ELEV.
<i>B11# 6</i>	<i>2.02</i>	<i>1028.49</i>	<i>8.42</i>	<i>1020.07</i>
	<i>1.61</i>	<i>1021.68</i>	<i>2.62</i>	<i>1019.06</i>
	<i>4.13</i>	<i>1023.19</i>		
			<i>2.80</i>	<i>1020.39</i>
			<i>E.I.T.H.</i>	

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>3</i>
				LOCATION <i>Sta 452+65 Rt 42'</i>
				VERTICAL SCALE <i>1" = 10'</i>
				SUBMITTED BY <i>Ted Sommers</i>
				DATE <i>3-41</i>



COUNTY <i>Pottawatomie</i> MACHINE <i>No 1</i>				
RT. <i>63-75</i> SEC. <i>A(1)</i> BR. NO.		PROJ. NO. <i>145</i>		
STREAM NAME <i>Under pass</i>		BR. OR RD.		
H.W. EL.	H.W. DATE	AUTHORITY		
GROUND WATER EL.				
B.M. NO.	<i>6</i>	B.M. EL.	<i>1026.47</i>	
POINT	B.S.	H.I.	F.S.	ELEV.
<i>B/M 6</i>	<i>2.02</i>	<i>1028.49</i>	<i>8.42</i>	<i>1020.07</i>
	<i>1.61</i>	<i>1021.68</i>	<i>2.62</i>	<i>1019.06</i>
	<i>4.13</i>	<i>1023.19</i>		
			<i>4.10</i>	<i>1019.09</i>
				<i>E.I.T.H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO.	<i>4</i>
				LOCATION	<i>Sta. 453+00 RT 17</i>
				VERTICAL SCALE	<i>1" = 10'</i>
				SUBMITTED BY	<i>Ted Sommers</i>
				DATE	<i>3-41</i>



COUNTY *Po. H. w. atamie* MACHINE *NO 1*RT *67-75 SEC A11* BR. NO. PROJ. NO. *145*STREAM NAME *Under pass* BR. OR RD.

H.W. EL. H.W. DATE AUTHORITY

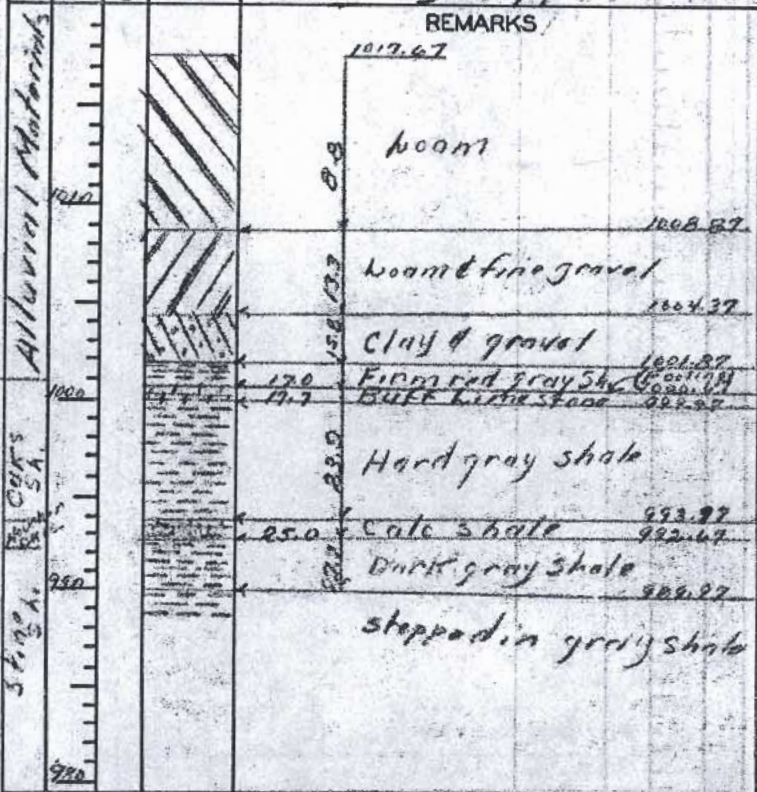
GROUND WATER EL.

B.M. NO. *6* B.M. EL. *1026.47*

POINT B.S. H.I. F.S. ELEV.

*811# 6* *2.02* *1028.49* *8.42* *1020.07**1.61* *1021.68* *2.62* *1019.06**4.13* *1023.19**5.52* *1017.67*

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>5</i>
				LOCATION <i>Sta. 453+27 Lt 20'</i>
				VERTICAL SCALE <i>1" = 10'</i>
				SUBMITTED BY <i>Ted Summers</i>
				DATE <i>3-41</i>



COUNTY <i>Pottawatomie</i> MACHINE <i>No 1</i>				
RT. <i>63-75</i> SEC. <i>A(1)</i> BR. NO.		PROJ. NO. <i>145</i>		
STREAM NAME <i>Ch Ch Cross Creek</i> BR. OR RD.				
H.W. EL.		H.W. DATE		AUTHORITY
GROUND WATER EL.				
B.M. NO. <i>B</i>		B.M. EL. <i>1029.03</i>		
POINT	B.S.	H.I.	F.S.	ELEV.
<i>131# B</i>	<i>0.66</i>	<i>1029.69</i>	<i>11.38</i>	<i>1018.31</i>
	<i>9.08</i>	<i>1027.39</i>		
			<i>3.18</i>	<i>1024.21</i>
				<i>El. T. H.</i>

FORMATION	EL. T.H.	CORE SAMPLE	LOG	SOUNDING NO. <i>Ch. Ch. 1</i>
				LOCATION <i>Ch Ch Sta. 12+26</i>
				VERTICAL SCALE <i>1" = 10'</i>
				SUBMITTED BY <i>Ted Sammers</i>
				DATE <i>3-41</i>

## REMARKS

Alluvial Materials

Fish tail "N"

*1024.21*  
*1021.51* Soil (C)  
*1018.51* Clay loam (C)  
 (C)  
 silty loam  
*1002.61*  
*999.51* gravel (C)  
*996.01* gray shale  
 stopped in gray shale