

Thompson-Shultz

DRAINAGE

RE

MINING TRANSIT BOOK

828328

LEVEL BOOK
THOMPSON-SHULTZ #1

Thompson Shultz Ditch
Pittsboro, Ind.

B.M.#	ELEV.
B.M.#1	100.00
B.M.#2	108.46
B.M.#3	115.26
B.M.#4	120.58
B.M.#5	127.17
B.M.#6	126.01

Bench Circuit

B.M.#1 R.R. spike in 12" ash tree on N. side of tree 1' from bottom.

N.E. corner of bridge on Rd. 401 E. (yellow paint marks spot)

N.E. corner of bridge on Wall St. (yellow paint)

N.E. corner of bridge Rd. 225 E. (yellow paint)

N.E. corner of bridge Rd. 151 E. (yellow paint)

Headwall at start of ditch N.E. wing.

	+	π	-	Top St. B+ D.I.	E/ev.	E/ro	First Reading	Second Reading
BM #2					108.46			
	0.68	109.14						
12+00					104.21	93.5	4.93	4.95
							C = 10.62'	
10+00					103.04	93.26	6.11	6.1
							C = 9.78	
8+00					103.30	92.93	5.84	5.85
							C = 10.37	
6+00					102.49	92.60	6.65	6.67
							C = 9.89	
4+00					101.96	92.27	7.18	7.17
							C = 9.69	

+	π	-	E/ev.
2+00			102.16 96.94

0+00			98.30 91.61
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FIRST READING	SECONDS READING
6.98	7.0
C = 10.22	
10.84	10.84
C = 6.69	

	B +	X	F -	Top St. Elev.	B+0 Elev.	Top of stakes	Cut to Bottom of Ditch
BM ²	0.00	108.46					
14+00				105.02	93.92	3.44	11.10
16+00				104.73	94.25	3.73	10.48
18+00				107.04	94.55	1.42	12.46
20+00				105.88	94.91	2.58	10.97
T.P. ¹	4.69	110.57					
22+00				105.32	95.24	5.25	10.08
24+00				106.60	95.59	3.97	11.03

B+	π	F-	Top Stake Elev.	BT of Ditch Elev.	Top of stake	Cut to bottom of Ditch
26+00			106.54	95.91	4.03	10.64
28+00			107.15	96.23	3.42	10.92
30+00			108.28	96.56	2.29	11.72
<hr/>						
32+00				96.86		
34+00				97.22		
36+00				97.55		

B+	A	F-	Top St. Elev.	Bt. D. Elev.	Top of Stake	Cut to Bt. of Ditch
38+00				97.88		
40+00				98.21		
42+00				98.54		
44+00				98.89		
46+00				99.20		
48+00				99.53		

EXAMPLE



1' Rich
Top Soil



1' Top Soil

1' Sandy Silt



3' Clay



2' Sandy Gravel



1' Gravel



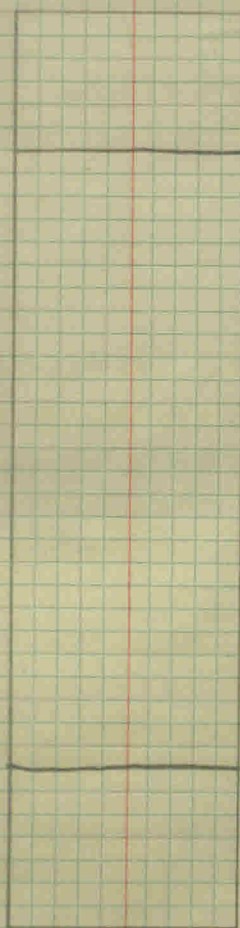
1' Silty Clay



1' Sandy Silty
Clay

267
3
201
10
211'

HOLE NO 1

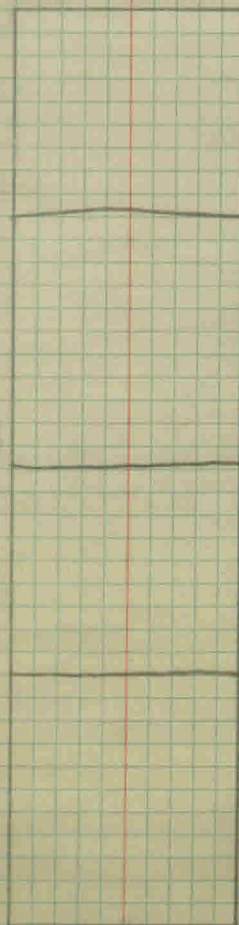


$\frac{1}{2}$ '
RICH
TOP
SOIL

$2\frac{1}{2}$ '
Brown
clay

1'
yellow
clay

HOLE Nº 2



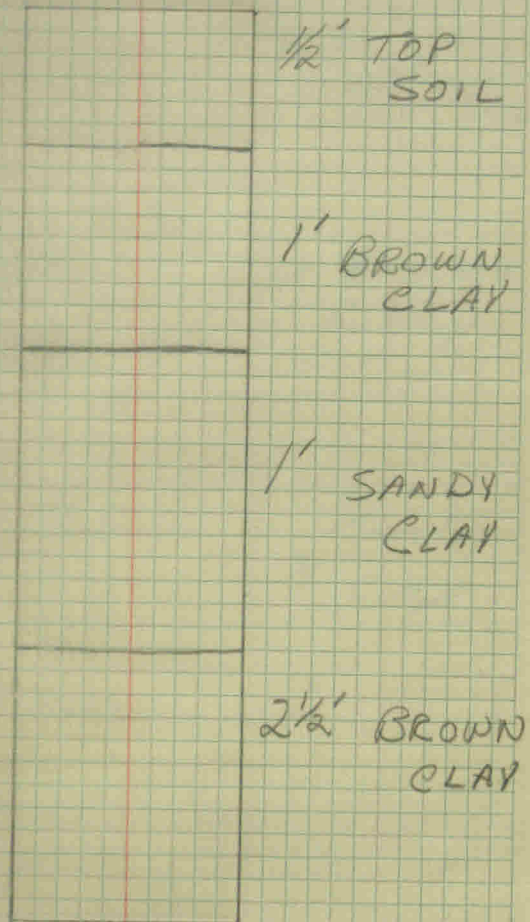
$\frac{1}{2}$ '
TOP
Soil

Brown
2' clay

$\frac{1}{2}$ '
Sandy clay

1'
Brown
clay

HOLE NO 3



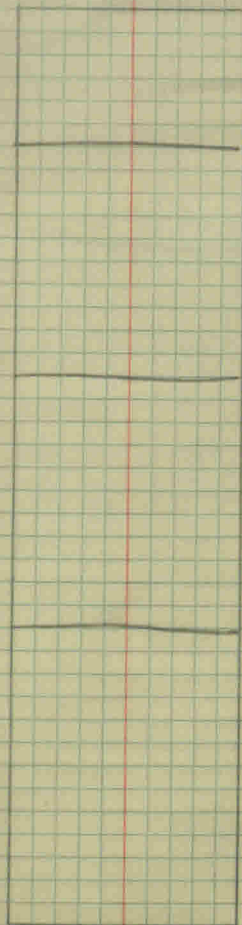
HOLE NO 4

1' RICH
TOP SOIL

1' Brown
Clay

1' Sandy
3' Clay

HOLE NO 5



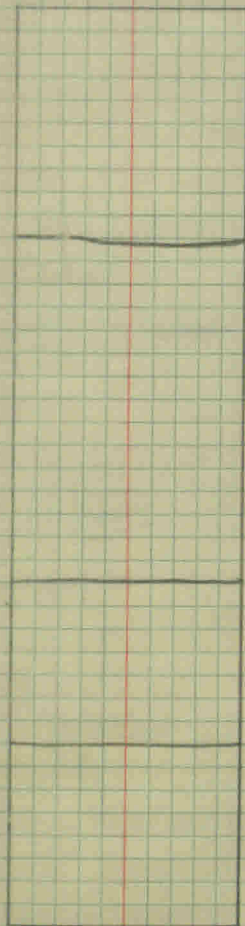
$\frac{1}{2}$ ' TOP
Soil

2' Brown
Clay

$1\frac{1}{2}$ '
Sandy
Clay

1' Brown
Clay

HOLE NO 6



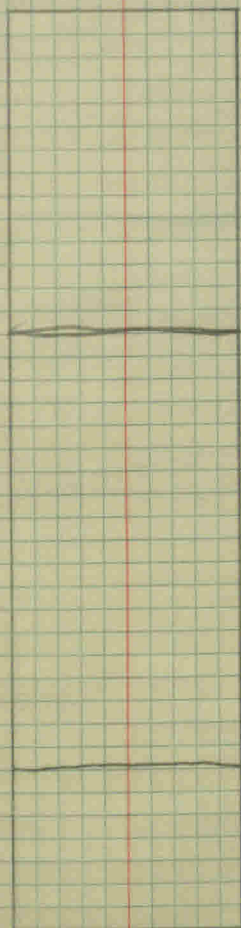
1 1/2' RICH
Top SOIL

2 1/2' BROWN
CLAY

1/2' SANDY
CLAY

1 1/2' YELLOW
CLAY

HOLE NO 7

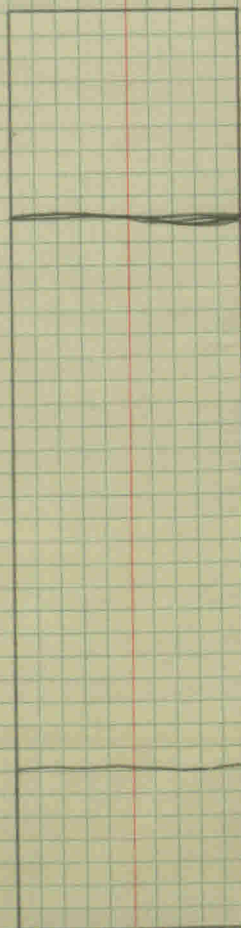


2' RICH
TOP SOIL

2 1/2' BROWN
CLAY

1/2' SANDY
CLAY

HOLE No 8

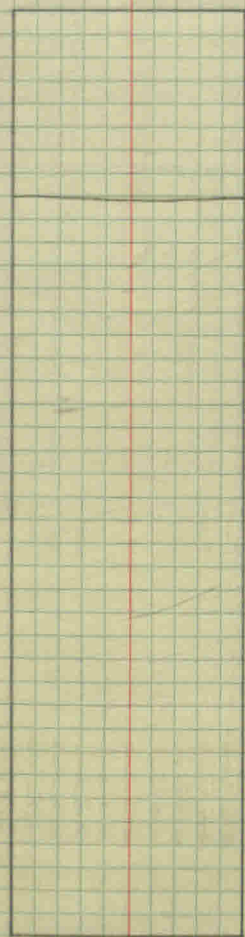


1 1/2
TOP SOIL

3' BROWN
CLAY

1/2'
SANDY
CLAY

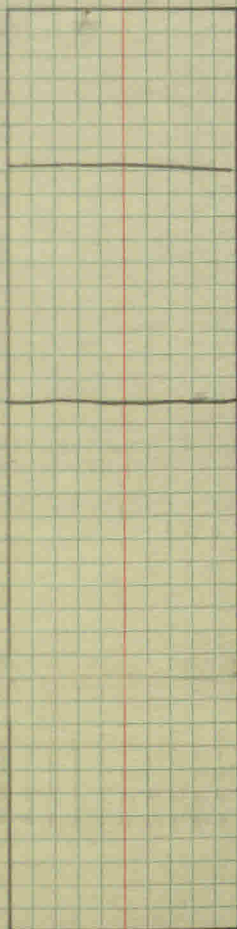
HOLE NO 9



1' TOP
SOIL

4' BROWN
CLAY

HOLE NO 10

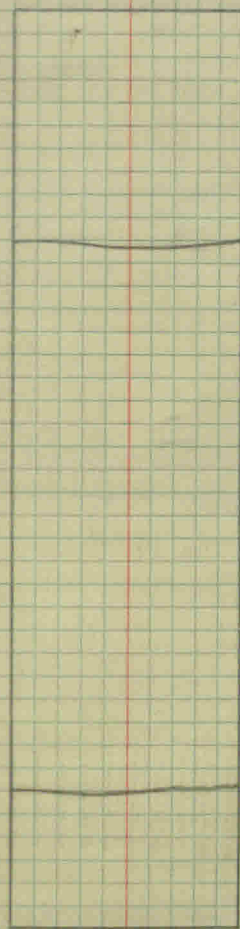


$\frac{1}{2}$ ' TOP
Soil

$2\frac{1}{2}$ ' Brown
Clay

2' sandy
Clay

HOLE N^o 11

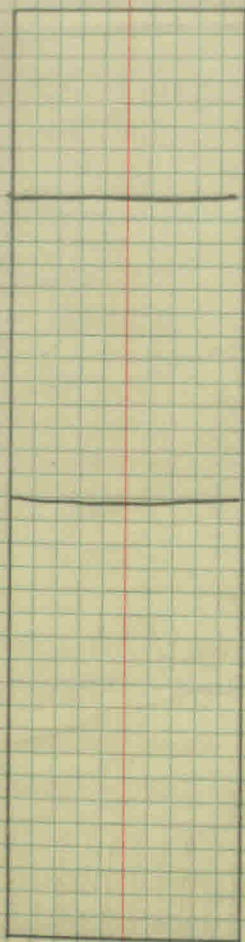


$\frac{1}{2}$ ' Top
Soil

3' Brown
Clay

$\frac{1}{2}$ ' Sandy
Clay

HOLE N^o 12

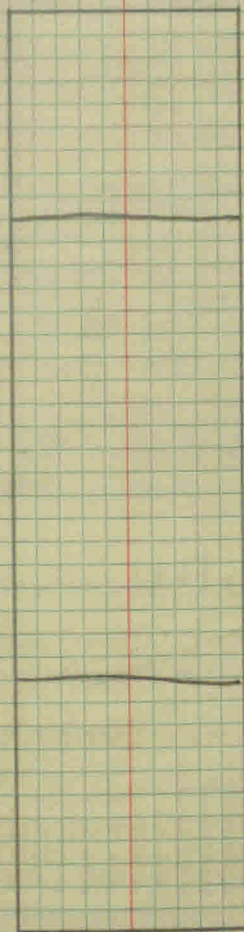


1' Top
Soil

2 $\frac{1}{2}$ ' Brown
Clay

1 $\frac{1}{2}$ ' Sandy
Clay

HOLE N^o 13

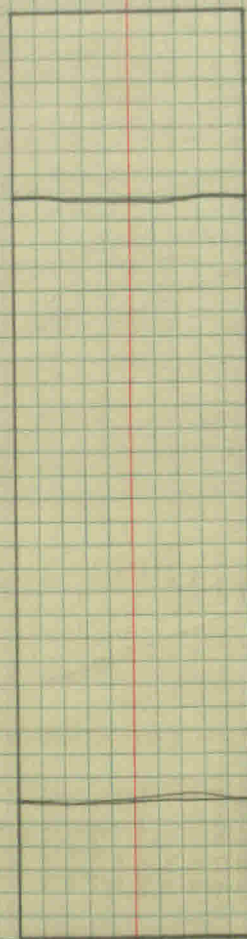


1' Rich
Top Soil

3' Brown
Clay

1' sandy
clay

HOLE NO 14

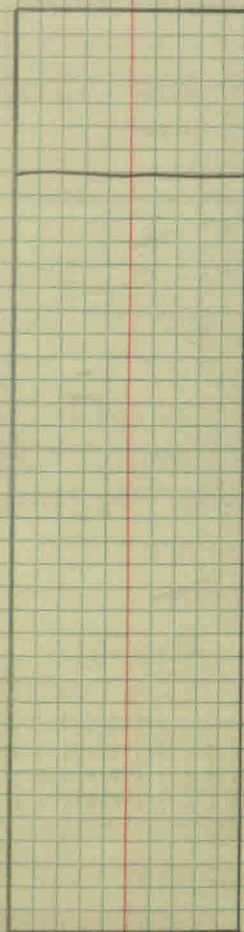


1 1/2' RICH
TOP SOIL

3' BROWN
CLAY

1/2' SANDY
YELLOW CLAY

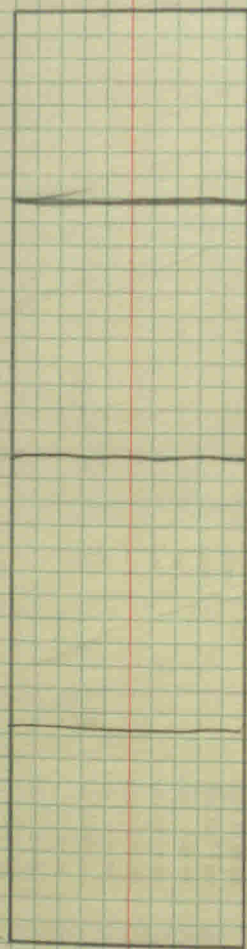
HOLE NO 15



1' TOP
SOIL

4' BROWN
CLAY

HOLE NO 16



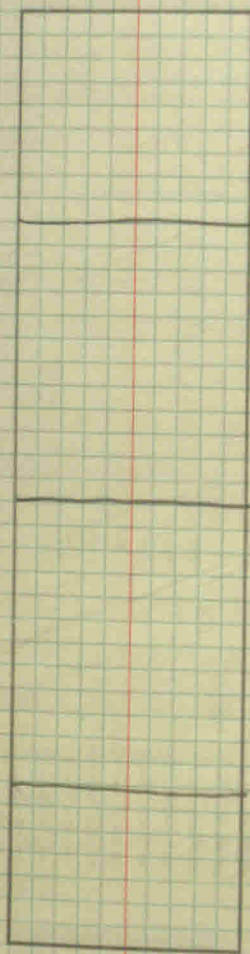
1' TOP
SOIL

2' BROWN
CLAY

1' SANDY
CLAY

1' YELLOW
CLAY

HOLE NO 17



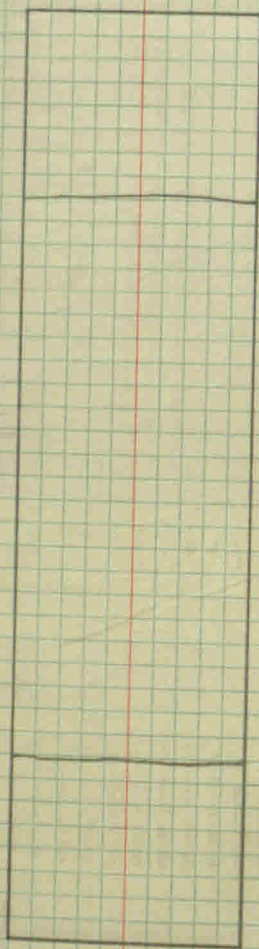
1' TOP
SOIL

2' BROWN
CLAY

1' SANDY
CLAY

1' BROWN
CLAY

HOLE N^o 18

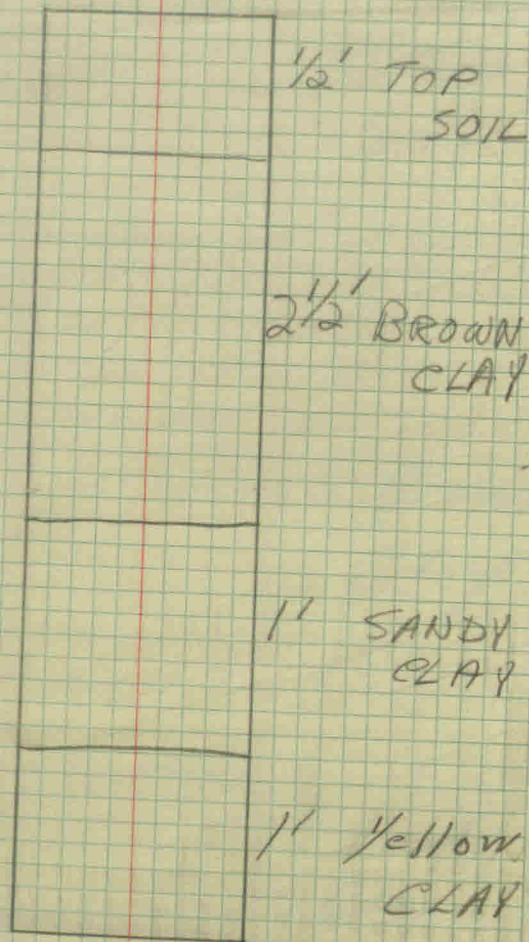


1' RICH
TOP SOIL

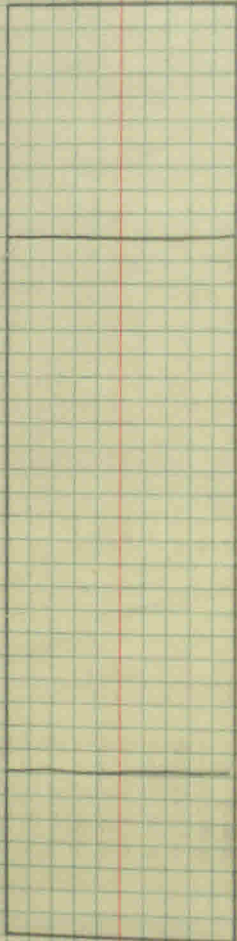
3' BROWN
CLAY

1' SANDY
CLAY

HOLE No 19



HOLE NO 20

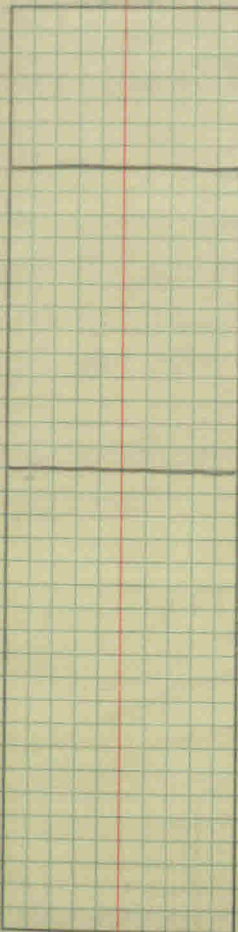


$\frac{1}{2}$ ' Rich
Top
Soil

3' Brown
Clay

$\frac{1}{2}$ ' Sandy
Clay

HOLE NO 21



$\frac{1}{2}$ ' TOP
SOIL

3' BROWN
CLAY

$\frac{1}{2}$ ' SANDY
CLAY