WALTON CORPORATION
Drilling Contractor

P. O. BOX 1097, NEWARK, DELAWARE 19711

BORING LOG

ORIGINAL (Red)

NAME New Castle County Land Fill — PROJECT NO. 1233-12-88

Wilm., Del. — SUPERVISOR [redacted]

BORING NO. 20 | DRILLER [redacted] | DATE 11-8-73

WEATHER Cloudy & Chilly | SURFACE ELEVATION 17.4 | DATUM Project

Sample No.	Sample Depth - Feet From	Sample Depth - Feet To	Depth Strata Feet From	Depth Strata Feet To	Driller's Description of Materials	*Blows A		
			0	1.0	Brn. Silty Sand			
1	1.0	2.5	1.0		Gray Clay w/Tr. Vegetation	2	2	2
2	4.0	5.5		6.0	" " " " "	1	1	1
3	6.0	7.5	6.0	8.5	Gray Clay w/Tr. Silt & Veg.	2	2	2
4	9.0	10.5	8.5	13.5	Gray Clay w/some Vegetation	WH	1	1
5	14.0	15.5	13.5	19.0	Brn. F/M Sand w/Tr. Gravel	2	2	3
6	19.0	20.5	19.0		Gray Clay w/Tr. Silt & Sand	2	2	3
S-1	24.0	26.0		27.5	Gray Clay w/Tr. Silt & Sand	SHELBY		
					3" Shelby Rec. 2.0			
7	29.0	30.5	27.5	35.0	Brn. Peat	3	3	2
8	34.0	35.5	35.0	40.0	Gray Clay w/Some Vegetation	1	2	4
9	39.0	40.5	40.0	44.0	Brn. Peat w/Tr. Sand	2	3	4
					Augered down from 39.0-44.0			

A Number of blows of 140 lb. hammer dropped 30 in. required to drive 2 in. split-spoon sampler for each of three in. increments.

B Number of blows of 300 lb. hammer dropped 18 in. required to drive ..... in. casing 12 inches.

REMARKS: .....

GROUND WATER

SEMS DocID 2330290

BLOWS ON CASING B: 0-1, 1-2, 2-3, 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10, 10-11, 11-12, 12-13, 13-14, 14-15, 15-16, 16-17, 17-18, 18-19, 19-20, 20-21, 21-22, 22-23, 23-24, 24-25, 25-26, 26-27, 27-28, 28-29, 29-30, 30-31, 31-32, 32-33, 33-34, 34-35, 35-36, 36-37, 37-38, 38-39, 39-40, 40-41, 41-42, 42-43, 43-44, 44-45, 45-46, 46-47, 47-48, 48-49, 49-50, 50-51, 51-52, 52-53, 53-54, 54-55, 55-56, 56-57, 57-58, 58-59, 59-60, 60-61

Pg. Pt.

28a

ORIGINAL
(Red)

DRILLERS LOG	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
[illegible]	10	10
" "	4'6	14'6

Fig. P1.

29a-

ORIGINAL (Red)

DRILLERS LOG	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Hy Gr[illegible] Clay (Mach)	10	10'0
" " "	4.6'	14'6
	WATER SUPPLY SECTION	
	MAY 29 1980	

Pig. Pt.

41B

ORIGINAL
(Red)

DRILLERS LOG	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Clay silty Hand Fill	5	5
Brown sand + some Pebbles	2	7
Fine brown sand + Vegetated clay	5	12
Vegetated clay + fine Gray sand	7	19
Light Gray clay + fine Gray sand	16	35
Medium brown sand	3	38
Vegetated clay silty	8	46
Medium brown sand	9	55
	WATER SUPPLY DIVISION	
	MAY 29 1980	

Pig. Pt.

41A

ORIGINAL
(Red)

DRILLERS LOG	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
Silty Gray clay Mud fill	5	5
Brown Sand & Pebbles	2	7
~~Silty Gray clay~~		
~~Silty Gray clay~~ fine brown Sand + Vergated Clay	5	12
Vergated Clay + fine Gray Sand	7	19
Light Gray clay + fine Gray Sand	5½	24½
~~Medium brown sand~~	~~3~~	~~38~~
~~Vergated Clay very silty~~	~~8~~	~~46~~
		~~56~~

WATER SUPPLY BRANCH

MAY 29 1980

Pig. Pt.

41

ORIGINAL (Red)

DRILLERS LOG	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
[illegible] City Marsh Fill	5	5
[illegible] Sand + Some Pebbles	2	7
[illegible] Brown Sand + Vegetated clay	5	12
[illegible]ated clay + Fine Gray Sand	7	19
[illegible] Gray clay + Fine Gray sand	16	35
[illegible] brown Sand	3	38
[illegible]ated clay Very silty	8	46
[illegible] brown Sand	10	56
Red + white Clay	14	70
Dark Gray clay	5	75
	WATER SUPPLY BRANCH	
	MAY 29 1980	
	WATER SUPPLY BRANCH	
	MAY	

WALTON CORPORATION
Drilling Contractor
P. O. BOX 1097, NEWARK, DELAWARE 19711

ORIGINAL (Red)

BORING LOG

NAME Pigeon Point PROJECT NO. 1233-12-3
New Castle County Landfill SUPERVISOR - - -

BORING NO. TB-28 | DRILLER [redacted] | DATE 2-24-76
WEATHER Sunny & Nice | SURFACE ELEVATION - - - | DATUM - - -

Sample No.	Sample Depth - Feet From	Sample Depth - Feet To	Depth Strata Feet From	Depth Strata Feet To	Driller's Description of Materials	*Blows A		
			0	1.0	Brn. Silt (Fill)			
1	1.0	2.5	1.0	2.0	Gray Silty Clay	4	5	7
2	4.0	5.5	2.0		Gray Clay Tr. Silt	1	1	1
3	9.0	10.5			Gray Clay Tr. Silt	1	1	1
4	14.0	15.5		17.0	" " " "	1	2	2
5	19.0	20.5	17.0		Red & Gray Clayey Sand	5	8	11
6	24.0	25.5		25.0	Gray Silty Fine Sand (Wet)	5	6	7
			25.0	28.0				
7	29.0	30.5	28.0		Red & Gray Clay Tr. Sand	5	8	11
8	34.0	35.5		35.5	Brn. & Gray Clayey Sand			
			35.5	36.0				
9	39.0	40.5	36.0		Brn. F/M Sand	6	11	14
10	44.0	45.5			No Recovery (Material slipped	10	19	21
					out of spoon)			
11	48.0	50.5		49.5	Brn. Fine Coarse Sand	43	56	54
			49.5	50.5				

*A Number of blows of 140 lb. hammer dropped 30 in. required to drive 2 in. split-spoon sampler for each of three 6 in. increments.

* B Number of blows of 300 lb. hammer dropped 18 in. required to drive ..... in. casing 12 inches.

REMARKS: 1½ hrs. for laying out holes and getting pulled out.

GROUND WATER

BLOWS ON CASING B
0- 1
1- 2
2- 3
3- 4
4- 5
5- 6
6- 7
7- 8
8- 9
9-10
10-11
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WALTON CORPORATION
Drilling Contractor
P. O. BOX 1097, NEWARK, DELAWARE 19711

ORIGINAL (Red)

BORING LOG

NAME New Castle County Landfill Pigeon Point
PROJECT NO. 1233-12-3
SUPERVISOR - - -

BORING NO. TB - 29
DRILLER [redacted] "non responsive based on revised scope"
DATE 2-25-76
WEATHER Sunny & Warm
SURFACE ELEVATION - - -
DATUM - - -

Sample No.	Sample Depth - Feet From	Sample Depth - Feet To	Depth Strata Feet From	Depth Strata Feet To	Driller's Description of Materials	*Blows A		
			0	1.0	Brn. & Gray Silt			
1	1.0	2.5	1.0	3.0	Gray Clayey Silt Some Vegetation	1	2	1
2	4.0	5.5	3.0		Gray Clayey Silt Tr. Veg.	1	2	2
3	9.0	10.5		13.0	Gray Clayey Silt	2	2	2
4	14.0	15.5	13.0		Gray Clayey Silt w/Some Veg.	2	1	1
5	19.0	20.5			Gray Clayey Silt w/Some Veg.	2	1	2
6	24.0	25.5			" " " " " "	2	1	2
7	29.0	30.5			" " " " " "	2	1	1
8	34.0	35.5		37.5	Gray Clayey Silt w/Some Veg.	2	1	2
9	39.0	40.5	37.5		Gray Clayey Silt & Vegetation	3	2	3
10	44.0	45.5		45.0	Brn. Med. Sand w/Tr. Silt & Grav.	2	2	10
11	49.0	50.5	45.0		Brn. Med. Sand w/Tr. Silt & Some Gravel	27	50	53
12	54.0	55.5		55.5	Brn. Sand(M) w/Tr. Silt Some Gravel	20	31	50

*A Number of blows of 140 lb. hammer dropped 30 in. required to drive 2 in. split-spoon sampler for each of three 6 in. increments.

* B Number of blows of 300 lb. hammer dropped 18 in. required to drive ..... in. casing 12 inches.

REMARKS: Downtime...3.hours for moving in on hole w/dozer.

GROUND WATER

BLOWS ON CASING B
0- 1
1- 2
2- 3
3- 4
4- 5
5- 6
6- 7
7- 8
8- 9
9-10
10-11
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WALTON CORPORATION
Drilling Contractor

P. O. BOX 1097, NEWARK, DELAWARE 19711

BORING LOG

ORIGINAL (Red)

NAME New Castle County Landfill PROJECT NO. 1233-12-3

Pigeon Point SUPERVISOR - - -

BORING NO.	DRILLER	DATE
MP-29	[redacted] non responsive based on revised scope	3-4-76
WEATHER	**SURFACE ELEVATION**	**DATUM**
	14.0 FT.	N.G.S.

Sample No.	Sample Depth - Feet From	Sample Depth - Feet To	Depth Strata Feet From	Depth Strata Feet To	Driller's Description of Materials	*Blows A		
			3/5/76		Ream Auger hole to 8" & Set			
					4" Screen			
					Screen Set @ 50.0			
					Materials			
					1 - 4" Sch. 40 4.0' Screen .010 Slot			
					54.0 4" Sch. 40 PVC pipe			
					2 - 4" PVC Caps			
					4 - 4" PVC Couplings			
					8 - Bags Bentonite			
					1 - Can PVC Glue			
					8 - Buckets Sand			
					FOLLOW SAME HOLE AS T.B. 29			

*A Number of blows of 140 lb. hammer dropped 30 in. required to drive 2 in. split-spoon sampler for each of three 6 in. increments.

* B Number of blows of 300 lb. hammer dropped 18 in. required to drive ..... in. casing 12 inches.

REMARKS: 3/4/76 Downtime from start, dozer not available, Site inacessible 4 hrs. downtime

1 hr. dozer

2½ hrs. set up rig.

GROUND WATER

BLOWS ON CASING B
0- 1
1- 2
2- 3
3- 4
4- 5
5- 6
6- 7
7- 8
8- 9
9-10
10-11
11-12
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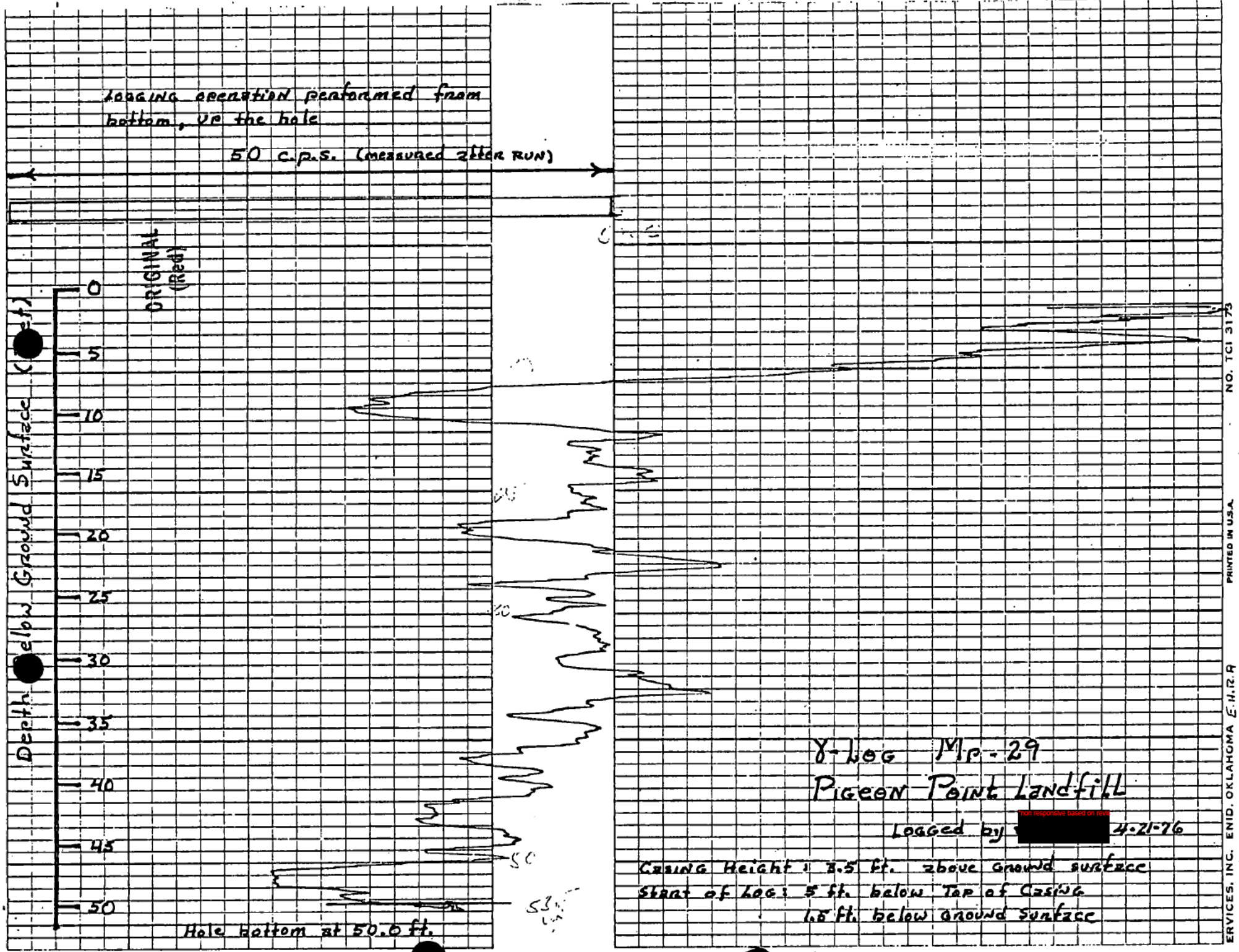

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WALTON CORPORATION
Drilling Contractor

P. O. BOX 1097, NEWARK, DELAWARE 19711

ORIGINAL (Red)

BORING LOG

NAME New Castle County Landfill PROJECT NO. 1233-12-3

Pigeon Pt. SUPERVISOR - - -

BORING NO.	DRILLER	DATE
MP -28	[redacted] "non responsive based on revised scope"	3-8-76
WEATHER	**SURFACE ELEVATION**	**DATUM**
Cold & Cloudy	15.4 FT. +2.20	N.G.S.

Sample No.	Sample Depth - Feet From	Sample Depth - Feet To	Depth Strata Feet From	Depth Strata Feet To	12.60 Driller's Description of Materials	*Blows A		
					Ream test hole to 8" & install			
					4" Screen			
					Screen Set 51.0 Bottom			
					Material			
					1 - 4" Sch. 40 PVC Screen			
					2 - 4" PVC Caps			
					4 - 4" PVC Couplings			
					52' 4" Sch. 40 Pipe			
					10 Buckets pea gravel			
					6 Bags Bentonite			

BLOWS ON CASING B
0- 1
1- 2
2- 3
3- 4
4- 5
5- 6
6- 7
7- 8
8- 9
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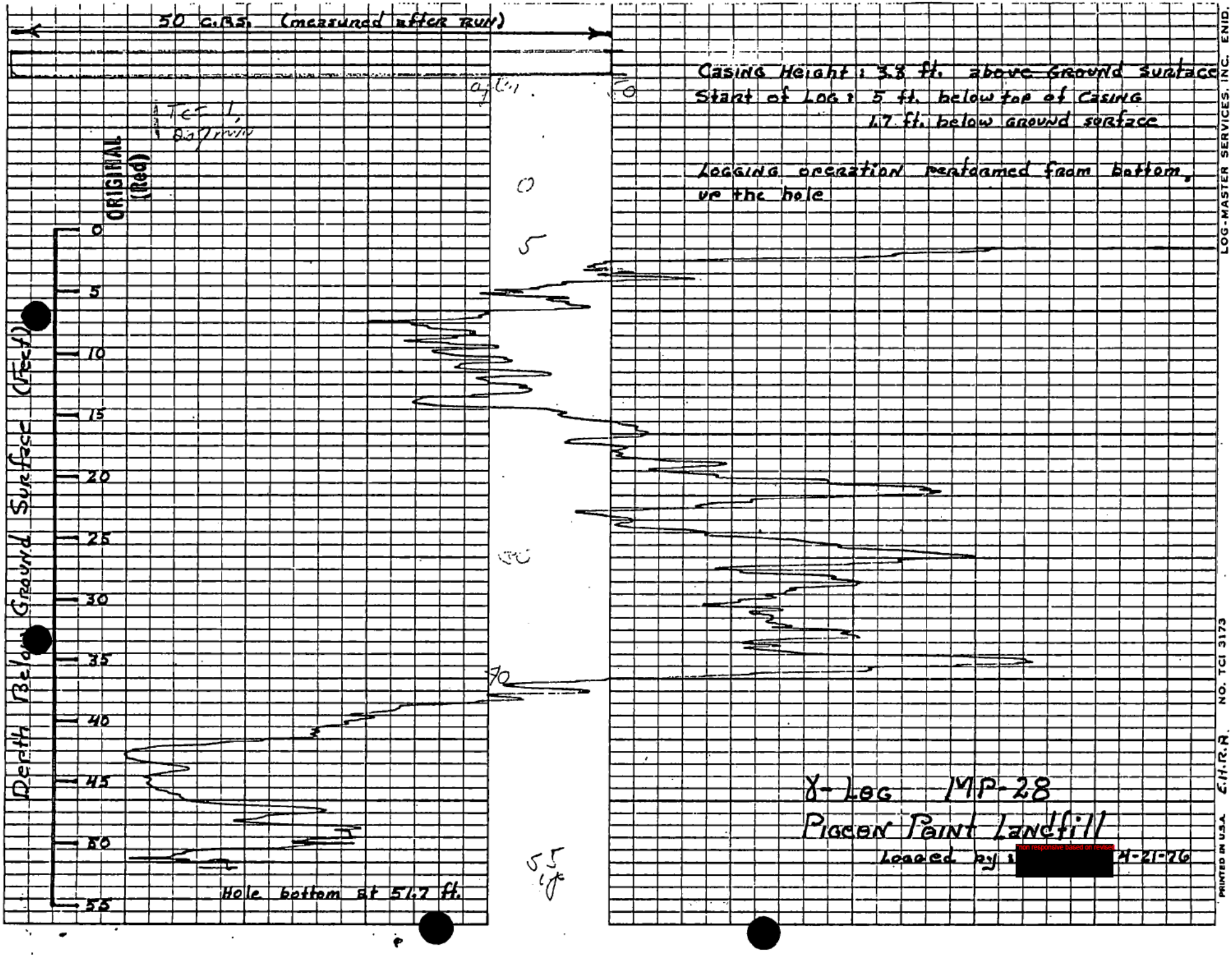
*A Number of blows of 140 lb. hammer dropped 30 in. required to drive 2 in. split-spoon sampler for each of three 6 in. increments.

* B Number of blows of 300 lb. hammer dropped 18 in. required to drive ..... in. casing 12 inches.

REMARKS: FOLLWED SAME HOLE AS T.B. - 28

GROUND WATER


50 c.p.s. (measured after run)
Casing Height: 3.3 ft. above Ground Surface
Start of Log: 5 ft. below top of Casing
1.7 ft. below ground surface
Logging operation performed from bottom, up the hole
ORIGINAL (Red)
Depth Below Ground Surface (Feet)
0
5
10
15
20
25
30
35
40
45
50
55
Hole bottom at 51.7 ft.
γ-Log MP-28
Pigeon Point Landfill
Logged by: [redacted] 4-21-76
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NO. TCI 3173
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