

# LOG OF BORING

name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 55  
(Cont'd)

Date 5 & 6 August 1971

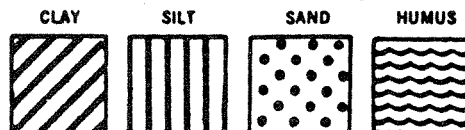
Ground Elev. 13.10 Datum MSL Gr. Water Depth           

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\* Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. split spoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. split spoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

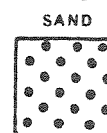
For: Ebasco Services Incorporated, New York, New York

Boring No. B-56Date 30 July-2 Aug. 1971Ground Elev. 13.35 Datum MSL Gr. Water Depth \_\_\_\_\_

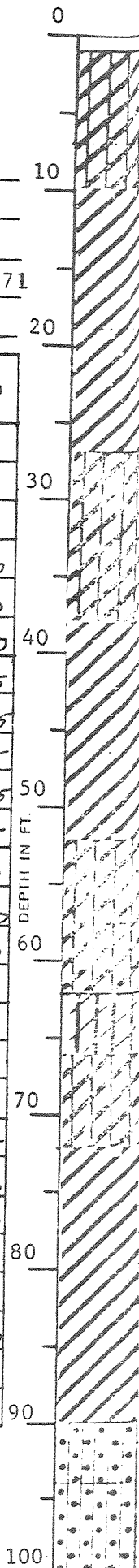
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	1.0	Plowed		
1	2.0	2.5	1.0		Medium stiff tan silty clay w/sand lenses	P=0.40	
2	2.5	3.0			Ditto	P=0.40	
3	5.0	5.5			Ditto	P=0.40	
4	5.5	6.0		7.0	Ditto	P=0.40	
5	8.0	8.5	7.0		Soft gray silty clay	P=0.15	
6	8.5	9.0		10.0	Ditto	P=0.15	
7	11.0	11.5	10.0		Soft to medium stiff gray fissured clay	P=0.25	
8	11.5	12.0			Ditto	P=0.25	
9	14.0	14.5			Ditto	P=0.25	
10	14.5	15.0		19.0	Ditto	P=0.30	
11	19.0	19.5	19.0		Stiff gray & tan clay	P=0.60	
12	19.5	20.0			Ditto	P=0.60	
13	24.0	24.5			Ditto	P=0.75	
14	24.5	25.0		27.0	Ditto	P=0.75	
15	29.0	29.5	27.0		Medium stiff gray silty clay w/sand lenses & layers	P=0.35	
16	29.5	30.0			Ditto	P=0.35	
17	34.0	34.5			Ditto	P=0.30	
18	34.5	35.0		38.0	Ditto	P=0.30	
19	39.0	39.5	38.0		Medium stiff gray clay w/silt lenses	P=0.40	
20	39.5	40.0			Ditto	P=0.40	
21	44.0	45.0			Ditto	P=0.40	
22	44.5	45.0			Ditto	P=0.40	
23	49.0	49.5			Ditto	P=0.40	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

REMARKS: WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.



Predominant type shown heavy. Modifying type shown light.



# LOG OF BORING

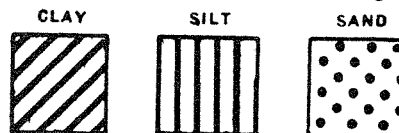
Sheet 2 of 4

Name of Project: Louisiana Power & Light Company  
 Site "X", St. Charles Parish, Louisiana  
 For: Ebasco Services Incorporated, New York, New York  
 Boring No. B-56 Date 30 July-2 Aug. 1971  
 (cont'd)  
 Ground Elev. 13.25 Datum MSL Gr. Water Depth 120

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
24	49.5	50.0		52.0	Medium stiff gray clay w/silt lenses	P=0.40	
25	54.0	54.5	52.0		Stiff gray & tan silty clay	P=0.90	
26	54.5	55.0		57.5	Ditto	P=0.90	
27	59.0	59.5	57.5		Stiff tan & gray silty clay w/concretions	P=0.95	
28	59.5	60.0		62.0	Ditto	P=1.05	
29	64.0	64.5	62.0		Medium compact tan clayey silt w/sand lenses		
30	64.5	65.0		66.0	Ditto		
31	69.0	69.5	66.0		Very stiff tan & gray silty clay w/silty sand lenses	P=1.25	
32	69.5	70.0		72.0	Ditto	P=1.30	
33	74.0	74.5	72.0		Very stiff tan & gray clay	P=1.30	
34	74.5	75.0			Ditto	P=1.35	
35	79.0	79.5			Ditto	P=1.35	
36	79.5	80.0			Very stiff tan & gray clay w/concretions	P=1.35	
37	84.0	84.5			Ditto	P=1.45	
38	84.5	85.0			Ditto	P=1.45	
39	89.0	89.5			Very stiff tan & gray clay	P=1.30	
40	89.5	90.0		90.0	Ditto	P=1.30	
41	90.0	91.5	90.0	94.0	Loose to medium dense tan silty sand	6 14	
42	94.0	95.5	94.0		Very dense gray silty sand	20 50=6"	
43	98.5	100.0		105.0	Very dense gray silty sand w/clay layers	19 50=7"	
44	105.0	105.5	105.0		Stiff gray clay w/silt lenses	P=0.75	
45	105.5	106.0			Ditto	P=0.80	
46	109.0	109.5			Ditto	P=0.80	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Predominant type shown heavy. Modifying type shown light.

(Sheet #2)

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

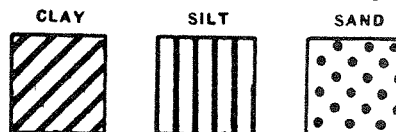
Boring No. B-56  
(cont'd)Date 30 July-2 Aug. 1971Ground Elev. 13.35 Datum MSL Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
47	109.5	110.0			Stiff gray clay w/silt lenses	P = 0.80
48	114.0	114.5			Ditto	P = 0.90
49	114.5	115.0			Ditto	P = 0.90
50	119.0	119.5			Ditto	P = 0.85
51	119.5	120.0		122.0	Ditto	P = 0.85
52	124.0	124.5	122.0		Stiff dark gray clay	P = 0.80
53	124.5	125.0			Ditto	P = 0.80
54	129.0	129.5		129.5	Ditto	P = 0.80
55	129.5	130.0	129.5		Medium stiff gray silty clay w/sand	P = 0.35
					pockets & layers	
56	134.0	134.5			Ditto	P = 0.35
57	134.5	135.0			Ditto	P = 0.40
58	139.0	139.5			Medium stiff gray silty clay w/sand	P = 0.35
					pockets	
59	139.5	140.0		143.0	Ditto	P = 0.35
60	144.0	144.5	143.0		Stiff gray clay w/silt lenses	P = 0.75
61	144.5	145.0		147.0	Ditto	P = 0.80
62	149.0	149.5	147.0		Very stiff greenish-gray & tan clay	P = 1.60
					w/concretions	
63	149.5	150.0		152.0	Ditto	P = 1.60
64	154.0	154.5	152.0		Stiff gray clay w/sand lenses	P = 0.85
65	154.5	155.0		156.0	Ditto	P = 0.85
66	159.0	159.5	156.0		Loose to medium compact gray clayey silt	
					w/sand layers	
67	159.5	160.0		162.0	Ditto	
68	164.0	164.5	162.0		Medium stiff gray & brown silty clay	P = 0.35

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. split spoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. split spoon sampler 1 ft. after seating 6 in.

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Predominant type shown heavy. Modifying type shown light.

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Date 30 July-2 Aug. 1971

Ground Elev. 13.35 Datum MSL Gr. Water Depth           

DEPTH IN FT

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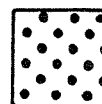
CLAY



**SILT**



**SAND**



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 57Date 5 & 6 August 1971Ground Elev. 13.10Datum MSL

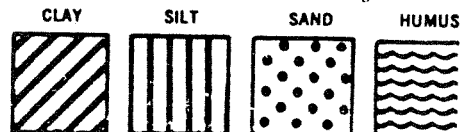
Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
1	0.0	0.5	0.0	0.5	Soft tan silty clay		
2	2.0	2.5	0.5		Medium stiff tan & gray clay w/silt pockets	P: 0.40 T: 0.50	
3	2.5	3.0		3.5	Ditto	P: 0.30 T: 0.20	
4	5.0	5.5	3.5		Soft tan & gray clay w/silt pockets	P: 0.15 T: 0.10	
5	5.5	6.0		6.0	Ditto	P: 0.15 T: 0.10	
6	8.0	8.5	6.0	8.5	Medium stiff tan & gray silty clay with clayey silt pockets	P: 0.25 T: 0.25	
7	8.5	9.0	8.5	9.5	Medium stiff gray silty clay w/clayey silt pockets	P: 0.25 T: 0.25	
8	11.0	11.5	9.5		Medium stiff gray flocculated clay with organic matter	P: 0.30 T: 0.35	
9	11.5	12.0			Ditto	P: 0.35 T: 0.35	
10	14.0	14.5		14.5	Ditto	P: 0.40 T: 0.30	
11	14.5	15.0	14.5		Medium stiff to stiff gray flocculated clay w/organic matter	P: 0.55 T: 0.50	
12	19.0	19.5			Medium stiff to stiff tan & gray flocculated clay	P: 0.60 T: 0.50	
13	19.5	20.0		21.0	Ditto	P: 0.65 T: 0.40	
14	24.0	24.5	21.0		Medium stiff to stiff tan & gray clay w/clayey silt layers	P: 0.65 T: 0.40	
15	24.5	25.0		25.0	Medium stiff to stiff tan & gray clay	P: 0.70 T: 0.45	
16	29.0	29.5	25.0		Very loose to loose gray clayey silt	P: 0.30 T: 0.20	
17	29.5	30.0			Very loose to loose gray clayey silt w/sandy silt layers	P: 0.30 T: 0.25	
(Continued)							

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: \_\_\_\_\_

Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 57Date 5 & 6 August 1971

(Cont'd)

Ground Elev. 13.10Datum MSL

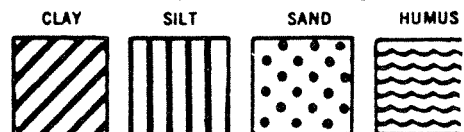
Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
18	34.0	34.5			Very loose to loose gray clayey silt	P = 0.30 T = 0.20
					w/clay & clayey shell layers	
19	34.5	35.0			Ditto	P = 0.30 T = 0.20
20	39.0	39.5			Very loose to loose gray sandy silt	P = 0.25 T = 0.15
					w/clay layers & shell fragments	
21	39.5	40.0		40.0	Ditto	P = 0.25 T = 0.15
22	44.0	44.5	40.0		Medium stiff gray clay w/silt pockets,	P = 0.25 T = 0.20
					sandy silt lenses & shell fragments	
23	44.5	45.0			Ditto	P = 0.45 T = 0.30
24	49.0	49.5			Medium stiff gray clay w/silt pockets,	P = 0.45 T = 0.35
					lenses & shell fragments	
25	49.5	50.0		53.0	Ditto	P = 0.45 T = 0.35
26	54.0	54.5	53.0	54.5	Medium stiff to stiff tan & gray clay	P = 0.65 T = 0.40
27	54.5	55.0	54.5	56.0	Very stiff tan & gray silty clay	P = 1.20 T = 1.00
28	59.0	59.5	56.0		Very stiff tan & gray clay with	P = 1.40 T = 1.30
					concretions	
29	59.5	60.0		60.5	Ditto	P = 1.40 T = 1.30
30	64.0	64.5	60.5		Loose to medium compact tan sandy silt	P = 0.25 T = 0.25
31	64.5	65.0		65.0	Ditto	P = 0.20 T = 0.25
32	69.0	69.5	65.0		Very stiff tan & gray clay w/silt lenses	P = 1.65 T = 1.50
33	69.5	70.0			Ditto	P = 1.70 T = 1.50
34	74.0	74.5			Very stiff tan & gray clay	P = 1.50 T = 1.25
35	74.5	75.0			Ditto	P = 1.50 T = 1.25
36	79.0	79.5			Very stiff tan & gray clay w/clayey	P = 1.75 T = 1.60
					silt layers & shell fragments	
37	79.5	80.0			Ditto	P = 1.75 T = 1.60

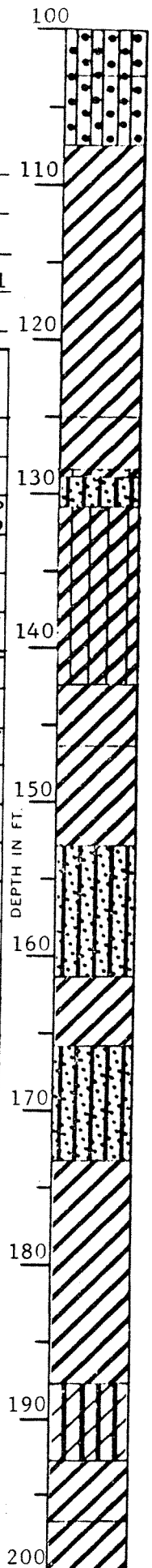
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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.



(Sheet #2)

## LOG OF BORING

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 57

Date 5 &amp; 6 August 1971

(Cont'd)

Ground Elev. 13.10 Datum MSL Gr. Water Depth

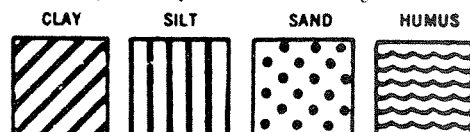
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
38	84.0	84.5			Very stiff tan & gray clay w/thin clayey silt layers	P = 1.20 T = 1.10	
39	84.5	85.0			Ditto	P = 1.20 T = 1.10	
40	89.0	89.5			Stiff tan & gray clay w/sandy silt lenses & pockets	P = 0.80 T = 0.65	
41	89.5	90.0		90.0	Stiff tan & gray sandy clay w/sandy silt layers & pockets	P = 0.80 T = 0.65	
42	90.0	91.5	90.0	93.5	Medium compact tan sandy silt	9	16
43	93.5	95.0	93.5	96.0	Very dense tan silty sand	16	50=11"
44	98.5	100.0	96.0	103.0	Dense tan silty sand	18	31
45	103.5	105.0	103.0	107.5	Very dense tan silty sand	50	=6" (Seat)
46	108.5	110.0	107.5		Stiff gray clay w/few silt lenses	4	10
47	114.0	114.5			Ditto	P = 0.85 T = 0.70	
48	114.5	115.0			Ditto	P = 0.85 T = 0.70	
49	119.0	119.5			Stiff gray clay	P = 0.95 T = 0.75	
50	119.5	120.0			Ditto	P = 0.95 T = 0.75	
51	124.0	124.5			Stiff gray silty clay w/shell fragments & organic matter	P = 0.80 T = 0.65	
52	124.5	125.0		125.0	Ditto	P = 0.80 T = 0.65	
53	128.0	128.5	125.0	128.5	Medium stiff gray clay w/clayey silt pockets, organic matter & shells	P = 0.45 T = 0.40	
54	128.5	129.0	128.5	129.0	Medium stiff gray silty clay	P = 0.40 T = 0.40	
55	129.0	130.5	129.0	131.0	Compact gray sandy silt	10	32
56	133.5	135.0	131.0		Stiff gray silty clay w/clayey silt & sandy silt layers	7	18
	135.0	140.0		142.5	Stiff gray silty clay w/sandy silt		

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.



## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 57  
(Cont'd)Date 5 & 6 August 1971Ground Elev. 13.10Datum MSL

Gr. Water Depth \_\_\_\_\_

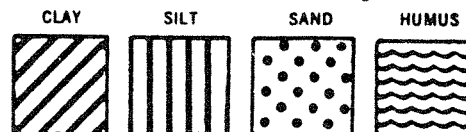
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
57	144.0	144.5	142.5		Very stiff greenish-gray clay	P = 1.45 T = 1.50	
58	144.5	145.0		146.5	Ditto	P = 1.55 T = 1.50	
59	149.0	149.5	146.5		Very stiff tan & gray clay w/silt lenses	P = 1.50 T = 1.50	
60	149.5	150.0			Ditto		
61	152.5	153.0			Very stiff tan & gray flocculated clay		
62	153.0	153.5		153.0	Ditto		
63	153.5	155.0	153.0		Compact gray sandy silt	17	36
64	158.5	160.0		161.5	Compact gray sandy silt w/thick clay layers	16	44
65	164.0	164.5	161.5		Very stiff greenish-gray & tan clay	P = 2.00 T = 1.75	
66	164.5	165.0		166.0	Ditto	P = 2.00 T = 1.75	
67	168.0	168.5	166.0		Medium compact to compact gray sandy silt w/clay layers	P = 0.40 T = 0.38	
68	168.5	169.0			Ditto	P = 0.40 T = 0.38	
69	169.0	170.5		173.5	Compact gray sandy silt w/clay & clayey silt layers	15	37
70	174.0	174.5	173.5		Very stiff tan & gray clay	P = 1.60 T = 1.50	
71	174.5	175.0			Ditto	P = 1.60 T = 1.50	
72	179.0	179.5			Ditto	P = 1.70 T = 1.50	
73	179.5	180.0			Ditto	P = 1.65 T = 1.50	
74	184.0	184.5			Very stiff tan & gray clay w/few silt lenses	P = 1.55 T = 1.40	
75	184.5	185.0		188.0	Ditto	P = 1.55 T = 1.30	
76	189.0	189.5	188.0		Medium compact gray clayey silt w/shell fragments & few clay pockets	P = 0.85 T = 0.75	
77	189.5	190.0		193.0	Ditto	P = 0.85 T = 0.75	

DEPTH IN FT.

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Remarks: \_\_\_\_\_



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## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

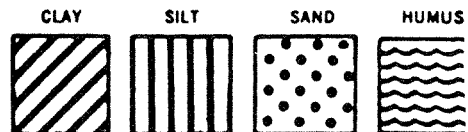
Boring No. 58 Date 9-11 August 1971Ground Elev. 12.30 Datum MSL Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0		Medium stiff tan & gray silty clay	P: 0.60 T: 0.18
					w/clay layers	
2	2.5	3.0		3.0	Medium stiff tan & gray silty clay	
3	5.0	5.5	3.0		Soft tan & gray silty clay w/clayey	P: 0.13 T: 0.15
					silt & sand layers	
4	5.5	6.0		6.0	Ditto	P: 0.20 T: 0.20
5	7.0	7.5	6.0	8.5	Soft gray silty clay w/silty sand	P: 0.20 T: 0.18
					layers & lenses	
6	8.5	9.0	8.5	10.0	Soft gray clay w/sand lenses & roots	P: 0.25 T: 0.25
7	11.0	11.5	10.0		Medium stiff gray clay (Flocculated)	P: 0.35 T: 0.25
8	11.5	12.0		13.0	Ditto	
9	14.0	14.5	13.0		Soft gray silty clay w/clayey silt	P: 0.35 T: 0.23
					layers	
10	14.5	15.0		18.5	Ditto	P: 0.40 T: 0.24
11	19.0	19.5	18.5		Medium stiff gray & tan clay w/silt	P: 0.50 T: 0.53
					pockets & organic matter	
12	19.5	20.0		22.5	Ditto	P: 0.50 T: 0.50
13	24.0	24.5	22.5		Soft to medium stiff gray & tan silty	P: 0.40 T: 0.15
					clay w/sandy silt lenses & layers	
14	24.5	25.0		26.0	Ditto	
15	29.5	30.0	26.0	31.0	Loose gray silty sand w/clay layers	
16	34.0	34.5	31.0		Soft gray sandy clay w/shell fragments	P: 0.30 T: 0.20
					& clay layers	
17	34.5	35.0		36.5	Soft gray sandy clay w/shell fragments	
18	39.0	39.5	36.5		Loose gray clayey sand w/sand layers	
19	39.5	40.0		41.0	Ditto	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN. IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

(Sheet #1)

## LOG OF BORING

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 58

Date 9-11 August 1971

(Cont'd)

Ground Elev. 12.30

Datum MSL

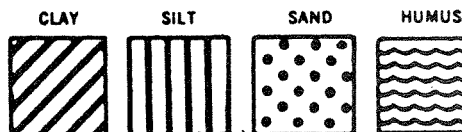
Gr. Water Depth

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
20	44.0	44.5	41.0		Medium stiff gray clay w/sand lenses	P = 0.30	T = 0.30
21	44.5	45.0			Ditto		
22	49.0	49.5			Ditto	P = 0.35	T = 0.35
23	49.5	50.0		53.0	Ditto		
24	54.0	54.5	53.0		Stiff greenish-gray & tan clay w/trace of silt	P = 0.60	T = 0.95
25	54.5	55.0			Ditto		
26	59.0	59.5			Ditto	P = 1.20	T = 1.12
27	59.5	60.0		61.0	Ditto		
28	64.0	64.5	61.0		Stiff tan & gray clay w/thick sandy silt layers & lenses	P = 1.00	T = 1.05
29	64.5	65.0		66.0	Ditto		
30	69.0	69.5	66.0		Very stiff tan & gray clay w/silt lenses	P = 1.40	T = 1.37
31	69.5	70.0			Ditto		
32	74.0	74.5			Very stiff tan & gray clay w/silt lenses (Fissured)	P = 1.20	T = 1.25
33	74.5	75.0			Ditto		
34	79.0	79.5			Very stiff tan & gray clay	P = 1.35	T = 1.55
35	79.5	80.0			Very stiff tan & gray clay w/few shell fragments		
36	84.0	84.5			Very stiff tan & gray clay w/silt lenses	P = 1.15	T = 1.25
37	84.5	85.0		87.0	Ditto		
38	89.0	89.5	87.0		Stiff gray & tan clay w/silt pockets & sand layers	P = 0.80	T = 1.00

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks:



Predominant type shown heavy. Modifying type shown light.

(Sheet #2)

## LOG OF BORING

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 58

Date 9-11 August 1971

(Cont'd)

Ground Elev. 12.30 Datum MSL Gr. Water Depth

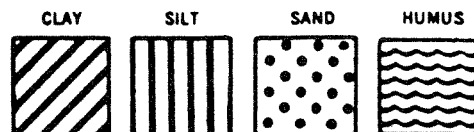
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
39	89.5	90.0		91.5	Stiff gray & tan clay w/silt pockets & sand layers		
40	91.5	92.0	91.5		Very dense tan & gray silty sand w/clay lenses		
41	92.0	93.5			Very dense tan & gray silty sand	17	50=10"
42	95.0	96.5			Ditto	14	50=9"
43	98.5	100.0			Ditto	35	50=5"
44	103.5	105.0		107.0	Ditto	20	50=7"
45	108.5	110.0	107.0		Stiff gray clay w/silt lenses	4	13
46	114.0	114.5			Ditto		P = 0.65 T = 0.69
47	114.5	115.0			Ditto		
48	119.0	119.5			Ditto		P = 0.60 T = 0.60
49	119.5	120.0			Ditto		
50	124.0	124.5			Stiff gray clay w/roots & organic matter		P = 0.90 T = 0.94
51	124.5	125.0			Ditto		
52	129.0	129.5			Stiff gray clay w/silt lenses		P = 0.70 T = 0.75
53	129.5	130.0		131.0	Ditto		
54	131.0	132.5	131.0		Very dense gray silty sand	17	50=10"
55	134.0	135.5		137.0	Ditto	34	50=5"
56	138.5	140.0	137.0		Stiff gray clay w/sand layers	4	21
57	143.0	143.5		144.5	Stiff gray clay w/silt pockets		P = 0.60 T = 0.63
58	144.5	145.0	144.5		Very stiff greenish-gray & tan clay		P = 1.20 T = 1.25
59	149.0	149.5			Very stiff greenish-gray & tan clay w/silt lenses		
60	149.5	150.0		151.0	Very stiff greenish-gray & tan clay		P = 1.70 T = 1.75

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 58  
(Cont'd)

Date 9-11 August 1971

Ground Elev. 1230

Datum MSL

Gr. Water Depth

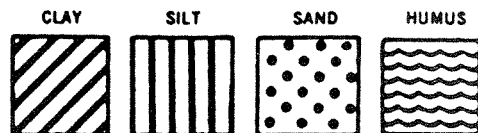
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
61	154.5	155.0	151.0	155.0	Medium dense gray & tan fine sand with clay layers		
62	158.0	158.5	155.0	158.5	Medium dense gray silty sand w/clay lenses & layers		
63	158.5	160.0	158.5	161.0	Very dense gray silty sand	16	50=9"
64	163.5	165.0	161.0	166.0	Very stiff greenish-gray clay	9	21
65	169.0	169.5	166.0		Very stiff greenish-gray sandy clay w/sand pockets	$P = 1.90$ $T =$	
66	169.5	170.0		172.0	Ditto		
67	174.0	174.5	172.0		Very stiff greenish-gray & tan clay w/sandy silt lenses & pockets	$P = 2.00$ $T = 1.30$	
68	174.5	175.0			Ditto		
69	179.0	179.5			Very stiff greenish-gray & tan clay w/silt lenses	$P = 2.20$ $T = 1.56$	
70	179.5	180.0			Ditto		
71	184.0	184.5			Ditto	$P = 1.50$ $T = 1.75$	
72	184.5	185.0			Ditto		
73	189.0	189.5			Very stiff greenish-gray & tan clay w/sandy silt lenses & clayey sand layers	$P = 1.40$ $T = 1.25$	
74	189.5	190.0		192.5	Ditto		
75	194.0	194.5	192.5		Stiff gray clay w/silt lenses	$P = 1.00$ $T = 1.10$	
76	194.5	195.0			Ditto		
77	199.0	199.5			Ditto	$P = 1.00$ $T = 1.05$	
78	199.5	200.0		200.0	Ditto	$P = 1.00$ $T = 1.05$	
(Continued)							

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.





Ground Elev. 12.30 Datum MSL Gr. Water Depth           

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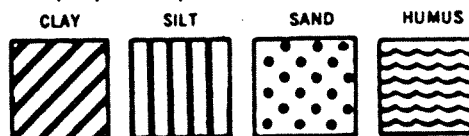
Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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CLAY      SILT      SAND      HUMUS

Remarks: \_\_\_\_\_

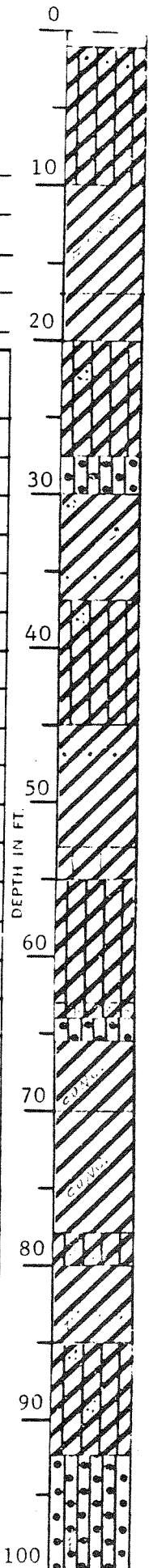


(Sheet #5)

## LOG OF BORING

Name of Project: Louisiana Power & Light Company  
Site "X", St. Charles Parish, Louisiana  
 For: Ebasco Services Incorporated, New York, New York  
 Boring No. 59(5") Date 9-11 August 1971  
 Ground Elev. 12.90 Datum M.S.L. Gr. Water Depth \_\_\_\_\_

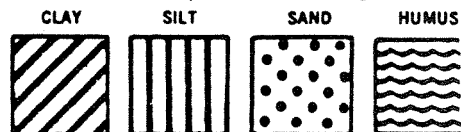
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	1.0	Plowed		
1	2.0	3.0	1.0		Medium stiff tan & gray silty clay with sand lenses	$P=0.35$	
2	4.0	5.0			Medium stiff tan & gray silty clay	$P=0.30$	
3	5.0	6.0			Ditto	$P=0.30$	
4	6.0	7.0			Ditto	$P=0.30$	
5	7.0	8.0		8.0	Ditto	$P=0.30$	
6	8.0	9.0	8.0		Soft to medium stiff gray silty clay	$P=0.30$	
7	9.0	10.0		10.0	Ditto	$P=0.25$	
8	10.0	11.0	10.0		Soft gray fissured clay	$P=0.20$	
	11.0	12.0			Ditto	$P=0.20$	
10	12.0	13.0			Ditto	$P=0.20$	
11	13.0	14.0			Ditto	$P=0.20$	
12	14.0	15.0			Ditto	$P=0.20$	
13	16.0	17.0		17.0	Ditto	$P=0.20$	
14	17.0	18.0	17.0		Medium stiff gray & tan clay	$P=0.35$	
15	18.0	19.0			Ditto	$P=0.35$	
16	19.0	20.0		20.0	Ditto	$P=0.35$	
17	21.0	22.0	20.0		Soft to medium stiff gray & tan silty clay w/sand pockets	$P=0.25$	
18	22.0	23.0			Ditto	$P=0.25$	
19	23.0	24.0			Ditto	$P=0.25$	
20	24.0	25.0			Ditto	$P=0.25$	
21	25.0	26.0			Ditto	$P=0.25$	
22	26.0	27.0		27.5	Ditto	$P=0.25$	
23	28.0	29.5	27.5	30.0	Dense gray & tan silty sand	19	43



\*Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.



## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 59 (5")  
(Cont'd)Date 9-11 August 1971Ground Elev. 12.90Datum MSL

Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
24	31.0	32.5	30.0		Soft gray clay w/silty sand pockets	3	5
25	34.0	35.0			Soft gray clay w/many shells		
26	36.0	37.0		37.0	Soft gray clay w/sand lenses	$P = 0.20$	
27	37.0	38.0	37.0		Soft to medium stiff gray silty clay	$P = 0.20$	
					w/sand lenses & pockets		
28	38.0	39.0			Ditto	$P = 0.25$	
29	39.0	40.0			Ditto	$P = 0.25$	
30	41.0	42.0			Ditto	$P = 0.25$	
31	42.0	43.0			Ditto	$P = 0.20$	
32	43.0	44.0			Ditto	$P = 0.25$	
33	44.0	45.0		45.0	Ditto	$P = 0.25$	
34	46.0	47.0	45.0		Medium stiff gray clay w/sand lenses	$P = 0.40$ $T = 0.40$	
35	47.0	48.0			Ditto	$P = 0.40$	
36	48.0	49.0			Ditto	$P = 0.40$	
37	49.0	50.0			Ditto	$P = 0.40$	
38	50.0	51.0			Ditto	$P = 0.35$	
39	51.0	52.0			Ditto	$P = 0.35$	
40	52.0	53.0		53.0	Ditto	$P = 0.35$	
41	53.0	54.0	53.0		Stiff gray & tan clay w/silt lenses	$P = 0.70$ $T = 0.70$	
42	54.0	55.0		55.0	Ditto	$P = 0.65$	
43	55.0	56.0	55.0		Very stiff greenish-gray & tan silty clay	$P = 1.20$	
44	56.0	57.0			Ditto	$P = 1.20$	
45	57.0	58.0			Ditto	$P = 1.30$	
46	58.0	59.0			Ditto	$P = 1.30$	
47	59.0	60.0			Ditto	$P = 1.30$	

100

110

120

130

140

150

160

170

180

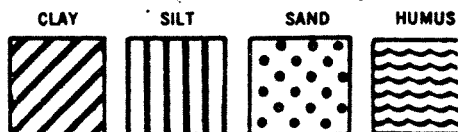
190

200

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 59 (5")  
(Cont'd)

Date 9-11 August 1971

Ground Elev. 12.90 Datum MSL Gr. Water Depth

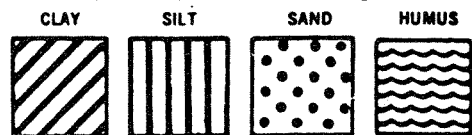
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
48	60.0	61.0			Very stiff gray & tan silty clay	P=1.35
49	61.0	62.0			Ditto	P=1.35
50	62.0	63.0		63.0	Ditto	P=1.35
51	63.0	64.0	63.0	64.0	Stiff tan & gray silty clay w/silty sand layers	P=0.90 T=0.80
			64.0	65.5	Loose to medium dense tan silty sand	
52	66.0	67.0	65.5		Stiff tan & gray clay w/concretions	P=0.95
53	67.0	68.0			Stiff tan & gray clay	P=0.95
54	68.0	69.0			Ditto	P=0.90
55	69.0	70.0		70.0	Ditto	P=0.95
56	70.0	71.0	70.0		Very stiff tan & gray clay	P=1.20
57	71.0	72.0			Ditto	P=1.20
58	72.0	73.0			Ditto	P=1.30
59	73.0	74.0			Ditto	P=1.35
60	74.0	75.0			Very stiff tan & gray clay with concretions	P=1.40
61	75.0	76.0			Very stiff tan & gray clay	P=1.30
62	76.0	77.0			Ditto	P=1.30
63	77.0	78.0		78.0	Ditto	P=1.20
64	78.0	79.0	78.0		Stiff tan silty clay w/clayey silt layers	P=0.80
65	79.0	80.0		80.0	Ditto	P=0.80
66	80.0	81.0	80.0		Very stiff tan & gray clay	P=1.30
67	81.0	82.0			Ditto	P=1.30
68	82.0	83.0			Ditto	P=1.30
					(Continued)	

DEPTH IN FT.

\*Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 59 (5")Date 9-11 August 1971Ground Elev. 12.90 Datum MSL Gr. Water Depth \_\_\_\_\_

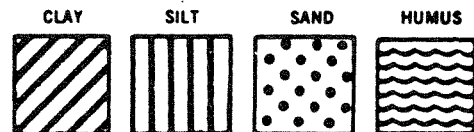
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
69	83.0	84.0			Very stiff tan & gray clay w/clayey silt layers	P=1.20	
70	84.0	85.0		85.0	Very stiff tan & gray clay	P=1.25	
71	86.0	87.0	85.0		Stiff tan & gray silty clay w/sand pockets	P=0.85	
72	88.0	89.0			Ditto	P=0.80	
73	89.0	90.0			Stiff tan & gray silty clay w/sand pockets & layers	P=0.80	
74	91.0	92.0		92.5	Ditto	P=0.75	
75	92.5	94.0	92.5		Dense to very dense tan silty sand	13	52
76	95.0	96.5			Ditto	16	49
77	98.5	100.0			Dense to very dense tan silty sand w/silty clay pockets	17	50=9"
78	103.5	105.0		108.0	Dense to very dense tan silty sand	19	50=9"
79	108.5	110.0	108.0		Medium stiff to stiff gray clay with silt lenses	4	8
80	111.0	112.0			Ditto	P=0.60	
81	112.0	113.0			Ditto	P=0.60	
82	113.0	114.0			Ditto	P=0.65	
83	114.0	115.0		115.0	Ditto	P=0.65 T=0.65	
84	116.0	117.0	115.0		Stiff gray clay w/silt lenses	P=0.80	
85	117.0	118.0			Ditto	P=0.80	
86	118.0	119.0			Ditto	P=0.80	
87	119.0	120.0			Ditto	P=0.80	
88	120.0	121.0			Ditto	P=0.75	
89	121.0	122.0			Ditto	P=0.75	

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in 2nd column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT THIS LOG IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 59 (5")

(Cont'd)

Date 9-11 August 1971

Ground Elev. 2.90

Datum MSL

Gr. Water Depth

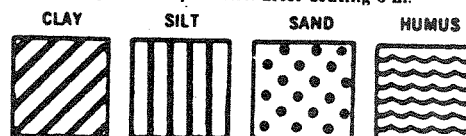
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
90	122.0	123.0		123.0	Stiff gray clay w/shell layers	P=0.85
91	123.0	124.0	123.0		Stiff dark gray clay w/shell pockets	P=0.85
92	124.0	125.0		126.0	Ditto	P=0.85
93	126.0	127.0	126.0		Stiff gray clay w/silt lenses	P=0.80
94	127.0	128.0			Ditto	P=0.80
95	128.0	129.0			Ditto	P=0.80
96	129.0	130.0		132.0	Stiff gray clay w/sand pockets	P=0.75
97	132.0	133.5	132.0	135.0	Very dense gray silty sand w/clay layers	16 50=8"
98	135.0	136.5	135.0	136.5	Very stiff gray clay w/sand lenses	16 27
99	138.0	139.0	136.5		Stiff gray silty clay w/sand pockets	P=0.75
100	139.0	140.0		142.0	Ditto	P=0.75
101	142.0	143.0	142.0		Medium stiff gray & tan clay w/sand lenses	P=0.40
102	143.0	144.0			Ditto	P=0.40
103	144.0	145.0		147.0	Ditto	P=0.40
104	147.0	148.0	147.0		Very stiff greenish-gray & tan clay w/trace of organic matter	P=1.30
105	148.0	149.0			Ditto	P=1.30
106	149.0	150.0		151.0	Ditto	P=1.30
107	151.0	152.0	151.0		Very stiff gray & tan clay	P=1.20
108	152.0	153.0			Ditto	P=1.20
109	153.0	154.0			Ditto	P=1.20
110	154.0	155.0		155.0	Ditto	P=1.20
111	156.0	157.0	155.0	157.0	Stiff gray clay w/sandy silt layers	P=0.75
112	157.0	158.5	157.0	160.0	Very compact gray sandy silt	50=8" (Seat)

DEPTH IN FT.

\*Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks:



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New YorkBoring No. 59 (5")Date 9-11 August 1971

(Cont'd)

Ground Elev. 12.90Datum MSL

Gr. Water Depth \_\_\_\_\_

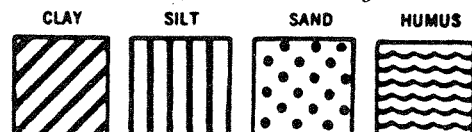
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
113	160.0	161.5	160.0	162.0	Compact gray sandy silt w/clay layers	13	46
114	163.5	165.0	162.0		Very stiff greenish-gray clay	12	37
115	166.0	167.0			Ditto		$P = 1.30$
116	167.0	168.0			Ditto		$P = 1.30$
117	168.0	169.0			Very stiff greenish-gray clay w/silt pockets		$P = 1.30$
118	169.0	170.0		170.5	Ditto		$P = 1.30$
119	170.5	172.0	170.5	172.0	Very dense gray silty sand w/clay layers	18	50=9"
120	172.0	173.0	172.0	173.0	Stiff greenish-gray & tan silty clay w/shells		$P = 0.90$
121	173.0	174.0	173.0		Very stiff greenish-gray & tan clay		$P = 1.30$
122	174.0	175.0			Ditto		$P = 1.30$
123	175.0	176.0			Ditto		$P = 1.30$
124	176.0	177.0			Ditto		$P = 1.30$
125	177.0	178.0			Ditto		$P = 1.30$
126	178.0	179.0			Ditto		$P = 1.35$
127	179.0	180.0		180.0	Ditto		$P = 1.35$
128	180.0	181.0	180.0		Very stiff gray & tan clay w/sand lenses		$P = 1.80$
129	181.0	182.0			Ditto		$P = 1.25$
130	182.0	183.0			Ditto		$P = 1.25$
131	183.0	184.0			Ditto		$P = 1.25$
132	184.0	185.0			Ditto		$P = 1.25$
133	186.0	187.0		187.0	Ditto		$P = 1.25$
(Continued)							

DEPTH IN FT.

\* Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Line of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 59 (5")

- Date 9-11 August 1971

(Cont 'd)

Ground Elev. 12.90

Datum MSL

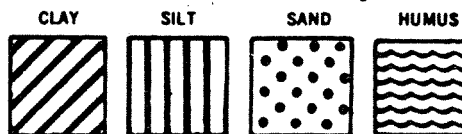
Gr. Water Depth

[illegible]

\* \* \* Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks:



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. B-60Date 28 & 29 July 1971Ground Elev. 13.10 Datum MSL Gr. Water Depth \_\_\_\_\_

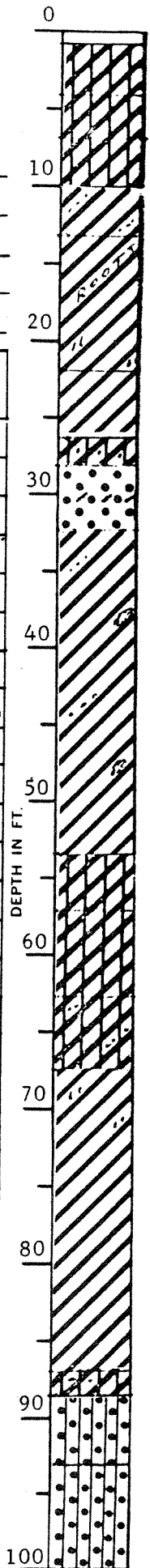
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	1.0	Plowed		
1	2.5	3.0	1.0	4.0	Very stiff tan & gray silty clay	P = 1.25	
2	5.5	6.0	4.0	7.0	Medium stiff gray & tan silty clay	P = 0.30	
3	8.0	8.5	7.0		Soft gray silty clay w/sand lenses	P = 0.20	
4	8.5	9.0		10.0	Ditto	P = 0.20	
5	11.0	11.5	10.0		Medium stiff gray fissured clay	P = 0.30	
6	11.5	12.0		13.5	Medium stiff gray fissured clay w/roots	P = 0.30	
7	14.0	14.5	13.5		Stiff gray fissured clay	P = 0.60	
8	14.5	15.0			Ditto	P = 0.60	
9	19.0	19.5			Stiff gray fissured clay w/silt pockets	P = 0.60	
10	19.5	20.0		22.0	Ditto	P = 0.60	
11	24.0	24.5	22.0		Stiff gray & tan clay	P = 0.65	
12	24.5	25.0		26.5	Ditto	P = 0.65	
13	27.0	27.5	26.5		Medium stiff gray silty clay w/sand	P = 0.35	
14	27.5	28.0		28.0	Ditto	P = 0.35	
15	29.0	30.5	28.0		Loose to medium dense gray sand w/clay layers	9 14	
16	31.0	32.5		32.5	Ditto	11 20	
17	33.5	35.0	32.5		Soft to medium stiff gray clay w/sand lenses & shells	2 4	
18	39.0	39.5			Ditto	P = 0.35	
19	39.5	40.0			Ditto	P = 0.35	
20	44.0	44.5			Ditto	P = 0.35	
21	44.5	45.0			Ditto	P = 0.35	
22	49.0	49.5			Soft to medium stiff gray clay	P = 0.35	
23	49.5	50.0		53.5	Ditto	P = 0.35	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

REMARKS: WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.



Predominant type shown heavy. Modifying type shown light.



(Sheet #1)

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. B-60Date 28 & 29 July 1971

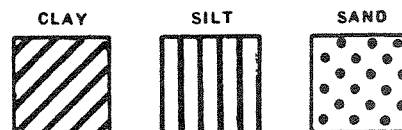
(Cont'd)

Ground Elev. 3.10 Datum MSL Gr. Water Depth \_\_\_\_\_

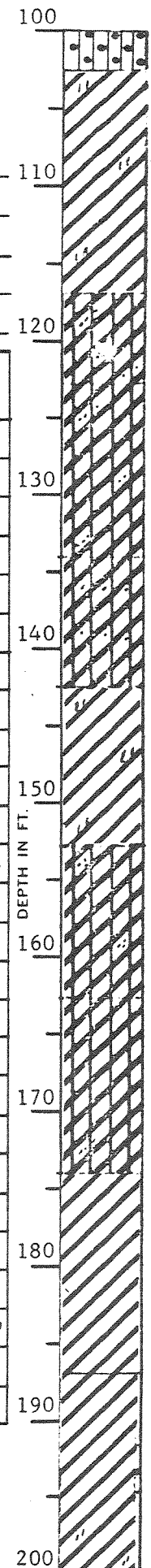
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
24	54.0	54.5	53.5		Very stiff greenish-gray & tan silty clay	P=1.25	
25	54.5	55.0		57.0	Ditto	P=1.25	
26	59.0	59.5	57.0		Very stiff tan & gray silty clay with concretions	P=1.35	
27	59.5	60.0		63.0	Ditto	P=1.35	
28	64.0	64.5	63.0		Stiff tan silty clay w/sand lenses	P=1.30	
29	64.5	65.0		67.5	Ditto	P=1.30	
30	69.0	69.5	67.5		Very stiff tan & gray clay w/silt lenses	P=1.15	
31	69.5	70.0			Ditto	P=1.20	
32	74.0	74.5			Very stiff tan & gray clay	P=1.35	
33	74.5	75.0			Ditto	P=1.35	
34	79.0	79.5			Ditto	P=1.25	
35	79.5	80.0			Ditto	P=1.25	
36	84.0	84.5			Ditto	P=1.20	
37	84.5	85.0		87.0	Ditto	P=1.20	
38	87.5	88.0	87.0		Stiff tan & gray silty clay w/sand lenses	P=1.15	
39	88.0	88.5		88.5	Stiff tan & gray silty clay w/sand lenses & pockets	P=1.15	
40	88.5	90.0	88.5	93.5	Dense tan & gray silty sand	9 36	
41	93.5	95.0	93.5		Very dense gray & tan silty sand	50=7" (Seat)	
42	98.5	100.0		102.0	Ditto	25 50=7"	
43	104.5	105.0	102.0		Stiff gray clay w/silt lenses	P=1.30	
44	109.0	109.5			Ditto	P=1.25	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

REMARKS: WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.



Predominant type shown heavy. Modifying type shown light.



(Sheet #2)



## LOG OF BORING

Name of Project: Louisiana Power & Light CompanySite "X", St. Charles Parish, LouisianaFor: Ebasco Services Incorporated, New York, New YorkBoring No. B-60  
(Cont'd)Date 28 & 29 July 1971Ground Elev. 131.0 Datum MSL Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
45	109.5	110.0			Stiff gray clay w/silt lenses		P=1.25
46	114.0	114.5			Ditto		P=1.25
47	114.5	115.0		117.0	Ditto		P=1.25
48	119.0	119.5	117.0		Medium stiff gray silty clay w/sand lenses & shells		P=0.35
49	119.5	120.0		123.0	Ditto		P=0.35
50	124.0	124.5	123.0		Stiff gray silty clay w/sand lenses		P=0.90
51	124.5	125.0			Ditto		P=0.90
52	129.0	129.5			Ditto		P=0.60
53	129.5	130.0		134.0	Ditto		P=0.65
54	134.0	134.5	134.0		Medium stiff gray silty clay w/sand layers		P=0.35
55	134.5	135.0			Ditto		P=0.35
56	139.0	139.5			Ditto		P=0.40
57	139.5	140.0		142.5	Ditto		P=0.40
58	144.0	144.5	142.5		Stiff gray clay w/silt lenses		P=0.85
59	144.5	145.0			Ditto		P=0.85
60	149.0	149.5			Ditto		P=0.90
61	149.5	150.0		153.0	Ditto		P=0.90
62	154.0	154.5	153.0		Stiff gray silty clay w/sand pockets		P=0.65
63	154.5	155.0			Ditto		P=0.65
64	159.0	159.5			Ditto		P=0.60
65	159.5	160.0		163.0	Ditto		P=0.60
66	164.0	164.5	163.0		Very stiff greenish-gray & tan silty clay		P=1.35
67	164.5	165.0			Ditto		P=1.35

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

REMARKS: WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

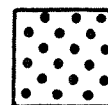
CLAY



SILT



SAND



Predominant type shown heavy. Modifying type shown light.

(Sheet #3)

# LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. B-60 Date 28 & 29 July 1971

Ground Elev. 13.10 Datum MSL Gr. Water Depth           

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Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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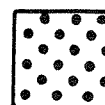
**CLAY**



**SILT**



**SAND**



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Sheet 1 of 2

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

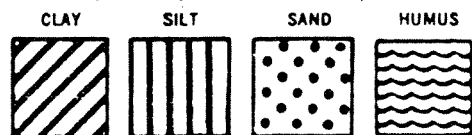
Boring No. 61 (5")Date 18 & 19 August 1971Ground Elev. 13.5Datum MSL

Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	1.0	Plowed field		
1	2.0	3.0	1.0	4.0	Stiff tan & gray silty clay	P = 0.70 T = 0.70	
2	5.0	6.0	4.0	7.0	Medium stiff tan & gray silty clay	P = 0.30 T = 0.30	
3	8.0	9.0	7.0		Soft gray & tan fissured clay	P = 0.20 T = 0.15	
4	11.0	12.0		13.0	Ditto	P = 0.20 T = 0.20	
5	14.0	15.0	13.0	18.0	Medium stiff gray fissured clay	P = 0.35 T = 0.30	
6	19.0	20.0	18.0		Stiff gray & tan clay	P = 0.75 T = 0.70	
7	24.0	25.0		25.0	Stiff gray & tan clay w/silty sand	P = 0.70 T = 0.70	
					lenses		
8	26.5	27.5	25.0	27.5	Soft to medium stiff gray silty clay		
					w/sand pockets		
9	27.5	29.0	27.5	31.0	Loose gray silty sand w/clay layers	4 10	
10	31.0	32.5	31.0	33.0	Medium dense gray silty sand	7 23	
11	34.0	35.0	33.0		Medium stiff gray clay w/silt lenses	P = 0.30 T = 0.30	
12	39.0	40.0			Ditto	P = 0.30 T = 0.30	
13	44.0	45.0			Ditto	P = 0.35 T = 0.30	
14	49.0	50.0		53.0	Medium stiff gray clay	P = 0.40 T = 0.35	
15	54.0	55.0	53.0	58.0	Very stiff greenish-gray & tan silty clay	P = 1.25	
16	59.0	60.0	58.0	63.0	Very stiff tan & gray clay w/concretions	P = 1.50	
17	64.0	65.0	63.0	66.0	Medium compact tan sandy silt w/clay layers		
18	69.0	70.0	66.0		Very stiff tan & gray clay w/clayey silt pockets	P = 1.50	
19	74.0	75.0			Very stiff tan & gray clay	P = 1.60	
20	79.0	80.0			Ditto	P = 1.45	

\*Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.



Remarks: \_\_\_\_\_

Predominant type shown heavy. Modifying type shown light.

(Sheet #1)

Sheet 2 of 2

name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 61 (5")

Date 18 & 19 August 1971

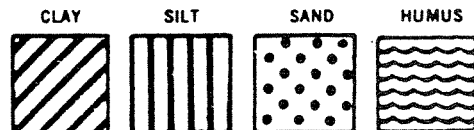
Ground Elev. <sup>(Cont'd)</sup> 13.15 Datum MSL Gr. Water Depth           

[illegible]

ber in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in d column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

(Sheet #:

## LOG OF BORING

Sheet 1 of 2

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

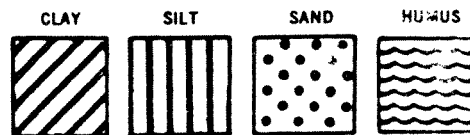
Boring No. 62 (5")Date 18 & 19 August 1971Ground Elev. 12.50 Datum MSL Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	3.0	0.0	3.0	Medium stiff tan & gray silty clay	P = 0.65 T = 0.55
					w/clayey silt & clay layers	
2	5.0	6.0	3.0		Soft tan & gray silty clay	P = 0.30 T = 0.20
3	8.0	9.0		10.0	Ditto	P = 0.25 T = 0.25
4	11.0	12.0	10.0	13.0	Medium stiff gray clay	P = 0.35 T = 0.30
5	14.0	15.0	13.0	16.5	Medium stiff gray silty clay	P = 0.35 T = 0.33
6	19.0	20.0	16.5	23.0	Medium stiff gray & tan clay	P = 0.60 T = 0.60
7	24.0	25.0	23.0	28.5	Soft gray & tan silty clay	P = 0.30 T = 0.25
8	29.0	30.0	28.5	30.0	Loose gray clayey silt w/silty sand	
					layers	
9	34.0	35.0	30.0		Soft gray clay w/silt lenses	P = 0.30 T = 0.23
10	39.0	40.0		43.0	Soft gray clay w/sand lenses & pockets	P = 0.20 T = 0.20
11	44.0	45.0	43.0		Medium stiff gray clay w/sand lenses	P = 0.35 T = 0.30
12	49.0	50.0		54.0	Ditto	P = 0.35 T = 0.35
13	54.0	55.0	54.0	58.5	Very stiff greenish-gray & tan silty	P = 1.25 T = 1.25
					clay w/clay layers	
14	59.0	60.0	58.5	61.0	Very stiff tan & gray silty clay w/clay	P = 1.40 T = 1.32
					pockets	
15	64.0	65.0	61.0		Very stiff tan & gray clay w/sandy silt	P = 1.20 T = 1.25
					lenses & layers	
16	69.0	70.0			Very stiff tan & gray clay w/silt lenses	P = 1.30 T = 1.25
17	74.0	75.0		77.5	Ditto	P = 1.25 T = 1.30
18	79.0	80.0	77.5	80.0	Stiff tan & gray silty clay w/clayey	P = 0.80 T = 0.80
					silt & clay layers	
19	84.0	85.0	80.0		Very stiff tan & gray fissured clay	P = 1.80 T = 1.75
					(Cont'd)	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

(Sheet #1)

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 62 (5")

Date 18 & 19 August 1971





(Cont'd)

Ground Elev. 12.50 Datum MSL Gr. Water Depth           

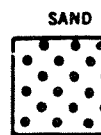
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number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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	CLAY	SILT	SAND	MUD
				

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Sheet 1 of 4

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 63Date 16, 17 & 18 August 1971Ground Elev. 12.40Datum MSL

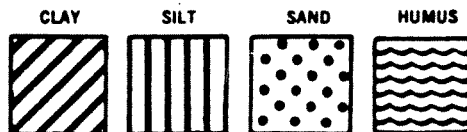
Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
1	2.0	2.5	0.0		Soft to medium stiff tan & gray silty clay w/clayey silt & clay layers	P = 0.30 T = 0.20	
2	2.5	3.0		3.0	Ditto		
3	5.5	6.0	3.0		Soft tan & gray silty clay w/clay layers	P = 0.15 T = 0.10	
4	8.0	8.5			Soft tan & gray silty clay w/clay layers & roots	P = 0.10 T = 0.10	
5	8.5	9.0		10.0	Ditto		
6	11.0	11.5	10.0		Medium stiff gray clay w/roots	P = 0.40 T = 0.43	
7	11.5	12.0		13.0	Ditto		
8	14.5	15.0	13.0	18.0	Soft gray silty clay w/roots & clay layers	P = 0.17 T = 0.15	
9	19.0	19.5	18.0		Medium stiff gray & tan clay	P = 0.50 T = 0.45	
10	19.5	20.0			Ditto		
11	24.0	24.5			Ditto	P = 0.55 T = 0.50	
12	24.5	25.0		25.0	Ditto		
13	27.5	28.0	25.0		Soft gray & tan clay w/silt pockets	P = 0.30 T = 0.30	
14	28.0	28.5		28.5	Ditto		
15	28.5	30.0	28.5	32.5	Medium dense gray silty sand	3 20	
16	33.5	35.0	32.5		Soft gray clay w/shell fragments	2 6	
17	39.0	39.5			Soft gray clay w/sand lenses, pockets & shell fragments	P = 0.20 T = 0.23	
18	39.5	40.0		43.0	Ditto		
19	44.0	44.5	43.0		Medium stiff gray clay w/sand lenses	P = 0.30 T = 0.25	
20	44.5	45.0			Ditto		
21	49.0	49.5			Ditto	P = 0.35 T = 0.30	
22	49.5	50.0			Ditto		

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

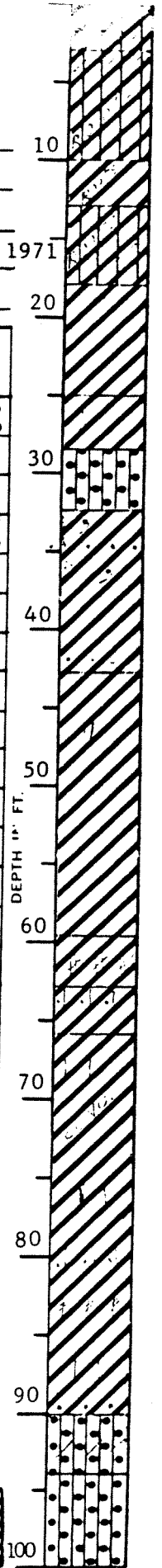
WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

(Sheet #1)



## LOG OF BORING

Sheet 2 of 4

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 63

Date 16, 17 &amp; 18 August 1971

(Cont'd)

Ground Elev. 120.0

Datum MSL

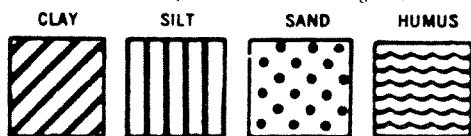
Gr. Water Depth 120

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
23	54.0	54.5			Medium stiff gray clay w/silt pockets	P = 0.40 T = 0.36	
24	54.5	55.0			Ditto		
25	58.0	58.5		59.5	Medium stiff gray clay	P = 0.40 T = 0.35	
26	59.5	60.0	59.5	63.0	Stiff greenish-gray & tan clay w/clayey silt layers	P = 0.90 T = 1.00	
27	64.0	64.5	63.0		Stiff tan & gray clay w/sandy silt layers & lenses	P = 1.10 T = 0.75	
28	64.5	65.0		66.0	Ditto		
29	69.0	69.5	66.0		Very stiff tan & gray clay w/silt lenses & concretions	P = 1.40 T = 1.06	
30	69.5	70.0			Ditto		
31	74.0	74.5			Very stiff tan & gray clay w/silt lenses	P = 1.35 T = 1.32	
32	74.5	75.0			Ditto		
33	79.0	79.5			Very stiff tan & gray clay w/sandy silt layers & lenses	P = 1.40 T = 1.13	
34	79.5	80.0			Very stiff tan & gray clay w/silty clay layers		
35	84.0	84.5			Very stiff tan & gray clay w/silt lenses	P = 1.25 T = 1.37	
36	84.5	85.0			Ditto		
37	89.0	89.5			Ditto	P = 1.50 T = 1.25	
38	89.5	90.0		90.0	Very stiff tan & gray clay w/sand layers & lenses		
39	90.0	91.5	90.0	94.0	Medium dense tan & gray silty sand w/clay layers	5 22	
40	93.5	95.0	94.0		Dense tan & gray silty sand	8 36	
41	98.5	100.0			Dense tan silty sand	17 47	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks:



Predominant type shown heavy. Modifying type shown light.

(Sheet #2)



## LOG OF BORING

Sheet 3 of 4

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 63

Date 16, 17 &amp; 18 August 1971

Ground Elev. (Cont'd) 12.40

Datum MSL

Gr. Water Depth

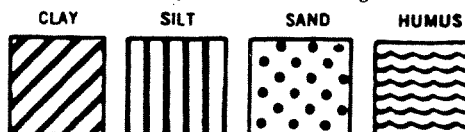
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
42	103.5	105.0		105.5	Dense tan silty sand w/clay layers	14	35
43	109.0	109.5	105.5		Stiff gray clay w/silt lenses		P = 0.65 T = 0.62
44	109.5	110.0			Ditto		
45	114.0	114.5			Ditto		P = 0.65 T = 0.69
46	114.5	115.0			Ditto		
47	119.0	119.5			Ditto		P = 0.70 T = 0.75
48	119.5	120.0			Ditto		
49	124.0	124.5			Stiff gray clay w/silt lenses & pockets		P = 0.70 T = 0.62
50	124.5	125.0			Ditto		
51	129.0	129.5			Stiff gray clay w/silt lenses		P = 0.70 T = 0.75
52	129.5	130.0		131.5	Ditto		
53	132.0	133.5	131.5		Very dense gray silty sand	23	50=8"
54	135.0	136.5		138.0	Ditto	28	50=6"
55	138.5	140.0	138.0	141.0	Medium stiff gray silty clay w/silty sand layers	6	13
56	144.0	144.5	141.0		Very stiff greenish-gray & tan clay w/silt lenses		P = 1.30 T = 1.37
57	144.5	145.0			Ditto		
58	149.0	149.5			Ditto		P = 1.40 T = 1.37
59	149.5	150.0		151.5	Ditto		
60	154.0	154.5	151.5		Medium dense gray silty sand w/clay layers & lenses		
61	154.5	155.0			Ditto		
62	159.0	159.5			Ditto		
63	159.5	160.0			Ditto		
64	160.0	161.5			Ditto	4	30

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.

(Sheet #3)

## LOG OF BORING

Sheet 4 of 4

Name of Project: Louisiana Power &amp; Light Company

Site "X". St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 63  
(Cont'd)

Date 16, 17 &amp; 18 August 1971

Ground Elev. 12.40

Datum MSL

Gr. Water Depth

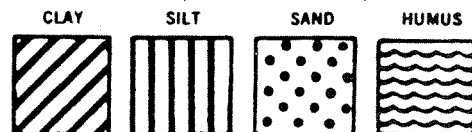
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
65	163.5	165.0		166.0	Medium dense gray silty sand w/clay layers & lenses	11	27
66	168.5	170.0	166.0		Very stiff greenish-gray & tan clay w/sandy silt layers	14	49
67	174.0	174.5			Very stiff greenish-gray & tan clay w/sandy silt lenses & pockets	P = 1.60 T = 1.50	
68	174.5	175.0			Ditto		
69	179.0	179.5			Very stiff greenish-gray & tan clay w/sandy silt lenses	P = 1.75 T = 1.75	
70	179.5	180.0			Ditto		
71	184.0	184.5			Very stiff greenish-gray & tan clay w/sand lenses & pockets	P = 1.30 T = 1.25	
72	184.5	185.0		188.0	Ditto		
73	189.0	189.5	188.0		Stiff gray clay w/sand pockets & clayey sand layers	P = 0.80 T = 0.62	
74	189.5	190.0			Ditto		
75	194.0	194.5			Stiff gray clay w/sand lenses	P = 1.00 T = 1.12	
76	194.5	195.0			Ditto		
77	199.0	199.5			Stiff gray clay w/sand pockets & shell fragments	P = 0.90 T = 1.12	
78	199.5	200.0		200.0	Ditto		
					Note: P = Penetrometer reading - shear strength in tons per sq. ft.		
					T = Torvane reading - shear strength in tons per sq. ft.		

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.

(Sheet #

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

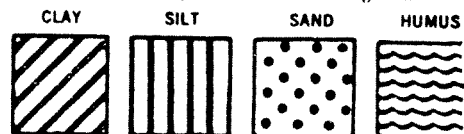
Boring No. 64Date 5 August 1971Ground Elev. 270 Datum M.S.L. Gr. Water Depth \_\_\_\_\_

Sample No	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	1.0	Plowed		
1	2.5	3.0	1.0		Stiff tan & gray silty clay	P=0.90	
2	4.0	5.0		5.0	Ditto	P=0.90	
3	5.0	6.0	5.0		Medium stiff tan & gray silty clay	P=0.35	
4	6.0	7.0		7.0	Ditto	P=0.35	
5	7.0	8.0	7.0		Soft gray & tan clay w/sand lenses	P=0.20	
6	8.0	9.0			Ditto	P=0.20	
7	9.0	10.0		10.0	Ditto	P=0.20	
8	10.0	11.0	10.0		Soft gray fissured clay	P=0.20	
9	11.0	12.0			Ditto	P=0.20	
10	12.0	13.0		13.0	Ditto	P=0.20 T=0.25	
11	13.0	14.0	13.0		Medium stiff gray silty clay	P=0.35	
12	14.0	15.0		16.0	Ditto	P=0.35	
13	16.0	17.0	16.0		Soft gray silty clay w/sand lenses	P=0.15	
14	17.0	18.0		18.0	Ditto	P=0.15	
15	18.0	19.0	18.0		Stiff gray & tan clay	P=0.65 T=0.55	
16	19.0	20.0			Ditto	P=0.65	
17	21.0	22.0			Ditto	P=0.60	
18	23.0	24.0			Ditto	P=0.65	
19	24.0	25.0		25.0	Stiff gray & tan clay w/silt lenses	P=0.65	
20	25.0	26.0	25.0		Soft gray & tan silty clay w/sand lenses	P=0.15	
21	26.0	27.0			Ditto	P=0.15 T=0.20	
22	27.0	28.0		28.0	Ditto	P=0.15	
23	28.0	29.5	28.0	30.5	Dense gray sand	10 39	
24	31.0	32.5	30.5		Soft gray clay w/silty sand layers	5 7	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. split spoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. split spoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

(Sheet #1)

## LOG OF BORING

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 64

Date 5 August 1971

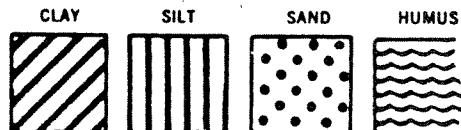
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Ground Elev. 12.70 Datum MSL Gr. Water Depth

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
25	33.0	34.0			Soft gray clay w/shell layers		
26	34.0	35.0			Ditto		
27	36.0	37.0		37.0	Ditto	P=0.15	
28	37.0	38.0	37.0		Soft gray silty clay w/sand layers	P=0.15	
29	38.0	39.0			Ditto	P=0.15	
30	39.0	40.0			Ditto	P=0.20	
31	41.0	42.0			Ditto	P=0.20	
32	42.0	43.0		43.0	Ditto	P=0.20	
33	43.0	44.0	43.0		Soft to medium stiff gray clay w/silt lenses	P=0.30 T=0.30	
34	44.0	45.0			Ditto	P=0.30	
35	45.0	46.0			Ditto	P=0.25	
36	46.0	47.0			Ditto	P=0.25	
37	47.0	48.0			Ditto	P=0.25	
38	48.0	49.0			Ditto	P=0.25	
39	49.0	50.0			Ditto	P=0.25 T=0.35	
40	50.0	51.0			Soft to medium stiff gray clay	P=0.20	
41	51.0	52.0			Ditto	P=0.20	
42	52.0	53.0		53.0	Soft to medium stiff gray clay w/wood	P=0.20	
43	53.0	54.0	53.0		Stiff gray & tan clay w/silt lenses	P=0.75	
44	54.0	55.0			Ditto	P=0.75 T=0.70	
45	56.0	57.0		57.5	Ditto	P=0.90	
46	58.0	59.0	57.5		Very stiff greenish-gray & tan silty clay	P=1.40	
47	59.0	60.0		61.0	Ditto	P=1.40 T=1.0+	
(Continued)							

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in. WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT THIS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks:



Predominant type shown heavy. Modifying type shown light.

(Sheet #2)

## LOG OF BORING

Name of Project: Louisiana Power & Light Company  
 Site "X", St. Charles Parish, Louisiana  
 For: Ebasco Services Incorporated, New York, New York  
 Boring No. 64 Date 5 August 1971  
 (Cont'd)  
 Ground Elev. 12.70 Datum MSL Gr. Water Depth \_\_\_\_\_

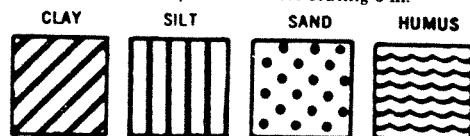
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
48	61.0	62.0	61.0		Very stiff tan & gray silty clay w/sand	P=1.20
					pockets	
49	63.0	64.0			Ditto	P=1.20
50	64.0	65.0		65.0	Ditto	P=1.10
51	65.0	66.0	65.0		Stiff tan & gray clay w/sandy silt	P=0.95
					layers	
52	66.0	67.0			Ditto	P=0.95
53	67.0	68.0			Ditto	P=0.90
54	68.0	69.0			Ditto	P=0.95
5	69.0	70.0		70.0	Ditto	P=0.95
56	70.0	71.0	70.0		Very stiff tan & gray clay w/sand lenses	P=1.25
57	71.0	72.0			Ditto	P=1.25
58	72.0	73.0			Ditto	P=1.25
59	73.0	74.0			Ditto	P=1.20
60	74.0	75.0			Ditto	P=1.25
61	76.0	77.0			Ditto	P=1.30
62	77.0	78.0			Ditto	P=1.20
63	78.0	79.0		79.0	Ditto	P=1.20
64	79.0	80.0	79.0		Stiff tan & gray silty clay w/sandy	P=0.75
					silt pockets	T=0.90
65	80.0	81.0			Ditto	P=0.90
66	81.0	82.0			Ditto	P=0.90
67	82.0	83.0			Ditto	P=0.85
68	83.0	84.0			Ditto	P=0.85
69	84.0	85.0			Ditto	P=0.80
(Continued)						

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

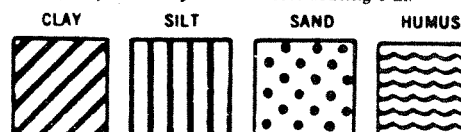
Name of Project: Louisiana Power & Light Company  
 Site "X", St. Charles Parish, Louisiana  
 For: Ebasco Services Incorporated, New York, New York  
 Boring No. 64 Date 5 August 1971  
 (Cont'd)  
 Ground Elev. 2.70 Datum MSL Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
70	85.0	86.0			Stiff tan & gray silty clay w/sand	P=0.80	
					lenses		
71	86.0	87.0			Ditto	P=0.90	
72	87.0	88.0			Ditto	P=0.85	
73	88.0	89.0			Ditto	P=0.85	
74	89.0	89.5		89.5	Stiff tan & gray silty clay w/sand	P=0.90	
					pockets		
75	89.5	91.0	89.5	93.5	Medium dense tan & gray silty sand	9	25
76	93.5	95.0	93.5	98.5	Dense gray sand	14	42
7	98.5	100.0	98.5	103.5	Very dense gray sand	50	7" (Seat)
78	103.5	105.0	103.5	105.0	Stiff to very stiff gray silty clay	20	50=8"
					w/sand lenses		
79	105.0	106.0	105.0		Stiff gray clay w/silt lenses	P=0.70	
80	106.0	107.0			Ditto	P=0.70	
81	107.0	108.0			Ditto	P=0.70	
82	108.0	109.0			Ditto	P=0.70	
83	109.0	110.0			Ditto	P=0.70	
84	110.0	111.0			Ditto	P=0.75	
85	111.0	112.0			Ditto	P=0.70	
86	112.0	113.0			Ditto	P=0.70	
87	113.0	114.0			Ditto	P=0.75	
88	114.0	115.0			Ditto	P=0.75	
89	115.0	116.0			Ditto	T=0.70	
90	116.0	117.0			Ditto	P=0.80	
91	117.0	118.0			Ditto	P=0.80	
92	118.0	119.0			Ditto	P=0.80	

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in. WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power & Light Company  
 Site "X", St. Charles Parish, Louisiana  
 For: Ebasco Services Incorporated, New York, New York  
 Boring No. 64 Date 5 August 1971  
 (Cont'd)  
 Ground Elev. 12.70 Datum MSL Gr. Water Depth \_\_\_\_\_

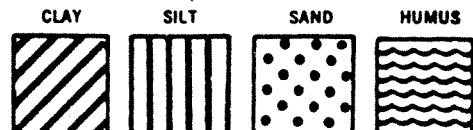
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
93	119.0	120.0		120.0	Stiff gray clay w/silt lenses	P=0.80 T=0.80
94	120.0	121.0	120.0		Medium stiff gray silty clay w/shells & sand lenses	P=0.40
95	121.0	122.0		122.0	Ditto	P=0.40
96	122.0	123.0	122.0		Stiff gray clay w/trace of organic matter	P=0.70
97	123.0	124.0			Ditto	P=0.70
98	124.0	125.0		125.0	Ditto	P=0.70 T=0.70
99	125.0	126.0	125.0		Stiff gray clay w/silt lenses	P=0.80
100	126.0	127.0			Ditto	P=0.85
101	127.0	128.0			Ditto	P=0.85
102	128.0	129.0			Ditto	P=0.85
103	129.0	129.5		129.5	Ditto	P=0.85 T=0.80
104	129.5	131.0	129.5		Very dense gray sand	50=6" (Seat)
105	133.5	135.0		137.5	Ditto	50=7" (Seat)
106	138.5	140.0	137.5		Soft to medium stiff gray silty clay w/sand lenses	7 14
107	142.0	143.0			Ditto	P=0.35
108	143.0	144.0			Ditto	P=0.35
109	144.0	145.0			Ditto	P=0.35 T=0.30
110	145.0	146.0		146.0	Ditto	P=0.30
111	146.0	147.0	146.0		Medium stiff to stiff gray clay w/silt lenses	P=0.45
112	147.0	148.0			Ditto	P=0.45
113	148.0	149.0			Ditto	P=0.50
114	149.0	150.0		150.0	Ditto	P=0.50

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

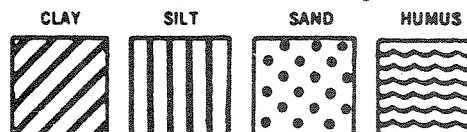
Boring No. 64 Date 5 August 1971Ground Elev. 12.70 Datum MSL Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
115	150.0	151.0	150.0		Stiff gray silty clay w/organic matter	P = 0.60 T = 0.60	
116	151.0	152.0			Stiff gray silty clay	P = 0.70	
117	152.0	153.0			Ditto	P = 0.70	
118	153.0	154.0			Ditto	P = 0.70	
119	154.0	155.0		155.0	Ditto	P = 0.70 T = 0.75	
120	155.0	156.0	155.0		Medium stiff gray silty clay w/silty sand layers	P = 0.40 P = 0.40 T = 0.50	
121	156.0	157.0			Ditto	P = 0.40	
122	157.0	158.0		158.0	Ditto		
123	158.5	160.0	158.0	160.0	Dense tan & gray silty sand	13	36
124	160.0	161.0	160.0		Medium stiff gray clay w/sand lenses	P = 0.30	
125	161.0	162.0		162.0	Ditto	P = 0.30	
126	162.0	163.0	162.0		Very stiff greenish-gray & tan clay	P = 1.40	
127	163.0	164.0			Ditto	P = 1.40	
128	164.0	165.0			Ditto	P = 1.40	
129	165.0	166.0			Ditto	P = 1.40	
130	166.0	167.0		167.0	Ditto	P = 1.25	
131	167.0	168.0	167.0		Stiff greenish-gray silty clay	P = 0.90	
132	168.0	169.0		169.0	Ditto	P = 0.90	
133	169.0	170.0	169.0		Very stiff greenish-gray & tan clay	P = 1.35	
134	170.0	171.0			Ditto	P = 1.30	
135	171.0	172.0			Very stiff greenish-gray & tan clay w/shells	P = 1.30	
136	172.0	173.0			Ditto	P = 1.30	
137	173.0	174.0			Very stiff greenish-gray & tan clay	P = 1.30	
138	174.0	175.0			Ditto	P = 1.25	

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.



## LOG OF BORING

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 64 Date 6 August 1971Ground Elev. 12.70 Datum MSL Gr. Water Depth \_\_\_\_\_

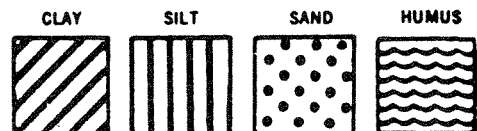
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST
	From	To	From	To		
139	175.0	176.0			Very stiff greenish-gray & tan clay	P=1.20
140	176.0	177.0			Ditto	P=1.20
141	177.0	178.0			Very stiff greenish-gray & tan clay	P=1.20
					w/silt lenses	
142	178.0	179.0			Ditto	P=1.15
143	179.0	180.0		180.0	Ditto	P=1.15
144	180.0	181.0	180.0		Stiff to very stiff gray & tan clay	P=1.15
					w/silt lenses	
145	181.0	182.0			Ditto	P=1.15
46	182.0	183.0			Ditto	P=1.15
147	183.0	184.0			Ditto	P=1.10
148	184.0	185.0			Ditto	P=1.10
149	185.0	186.0		186.0	Ditto	
150	186.0	187.0	186.0		Stiff gray clay w/sand lenses	P=0.90
151	187.0	188.0			Ditto	P=0.90
152	188.0	189.0			Ditto	P=0.85
153	189.0	190.0			Ditto	P=0.85 T=0.90
154	190.0	191.0			Stiff gray clay w/silt lenses	P=0.80
155	191.0	192.0			Ditto	P=0.80
156	192.0	193.0			Ditto	P=0.75
157	193.0	194.0			Ditto	P=0.75
158	194.0	195.0			Ditto	P=0.75 T=0.80
159	195.0	196.0			Ditto	P=0.75
160	196.0	197.0			Ditto	P=0.75
161	197.0	198.0			Ditto	P=0.80
162	198.0	199.0			Ditto	P=0.80

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_

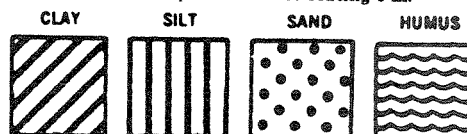


Predominant type shown heavy. Modifying type shown light.

Ground Elev. 12.70 Datum MSL Gr. Water Depth           

DEPTH IN FT.

Remarks: \_\_\_\_\_



(CH-104-40)

## LOG OF BORING

Sheet 1 of 4

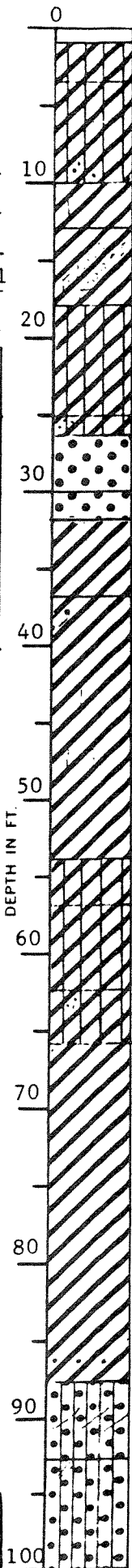
Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 65Date 17 & 18 August 1971Ground Elev. 13.05 Datum MSL Gr. Water Depth \_\_\_\_\_

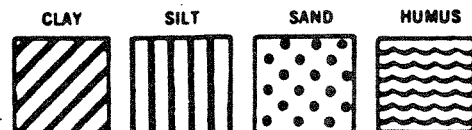
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	1.0	Plowed field		
1	2.5	3.0	1.0	3.5	Medium stiff tan & gray silty clay	P: 0.35 T: 0.30	
2	5.0	5.5	3.5		Soft tan & gray silty clay	P: 0.20 T: 0.20	
3	5.5	6.0			Ditto		
4	8.0	8.5			Ditto	P: 0.20 T: 0.20	
5	8.5	9.0		10.0	Soft tan & gray silty clay w/sand lenses		
6	11.0	11.5	10.0		Soft gray clay w/silt pockets	P: 0.20 T: 0.20	
7	11.5	12.0		13.0	Ditto		
8	14.0	14.5	13.0		Medium stiff gray fissured clay w/roots	P: 0.35 T: 0.30	
9	14.5	15.0		18.0	Medium stiff gray fissured clay		
10	19.0	19.5	18.0		Stiff gray & tan silty clay	P: 0.75 T: 0.20	
11	19.5	20.0			Ditto		
12	24.0	24.5			Ditto	P: 0.75 T: 0.80	
13	24.5	25.0		25.0	Ditto		
14	26.0	26.5	25.0	26.5	Soft gray silty clay w/sand pockets		
15	27.0	28.5	26.5	30.0	Medium dense gray & tan sand	8 22	
16	30.0	31.5	30.0	32.0	Dense gray & tan sand	10 32	
17	33.5	35.0	32.0	37.0	Soft gray clay	2 4	
18	39.0	39.5	37.0		Medium stiff gray clay w/shells	P: 0.30 T: 0.30	
19	39.5	40.0			Ditto		
20	44.0	44.5			Medium stiff gray clay w/silt pockets	P: 0.35 T: 0.30	
21	44.5	45.0			Ditto		
22	49.0	49.5			Medium stiff gray clay w/silt lenses		
23	49.5	50.0		54.0	Ditto	P: 0.35 T: 0.35	
24	54.0	54.5	54.0		Stiff gray & tan silty clay		
25	54.5	55.0		57.0	Ditto	P: 0.85 T: 0.80	



Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

(Sheet #1)

## LOG OF BORING

Sheet 2 of 4

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 65Date 17 & 18 August 1971Ground Elev. (Cont'd)13.05Datum MSL

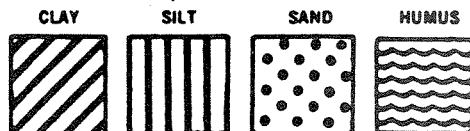
Gr. Water Depth

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
26	59.0	59.5	57.0		Very stiff greenish-gray & tan silty clay	P = 1.35	
27	59.5	60.0		62.5	Ditto		
28	64.0	64.5	62.5		Stiff tan & gray silty clay w/sand pockets	P = 0.75 T = 0.60	
29	64.5	65.0		66.0	Stiff tan & gray silty clay		
30	69.0	69.5	66.0		Very stiff tan & gray clay	P = 1.25 T =	
31	69.5	70.0			Ditto		
32	74.0	74.5			Ditto	P = 1.35	
33	74.5	75.0			Ditto		
34	79.0	79.5			Ditto		
35	79.5	80.0			Ditto	P = 1.30	
36	84.0	84.5			Ditto	P = 1.10	
37	84.5	85.0			Ditto	P = 1.10	
38	87.5	88.0		88.0	Very stiff tan & gray clay w/sand lenses	P = 1.10	
39	88.0	89.5	88.0	93.5	Medium dense tan silty sand w/clay layers	7 18	
40	93.5	95.0	93.5		Very dense tan silty sand w/clay pockets	15 50=10"	
41	98.5	100.0		102.5	Ditto	27 50=8"	
42	104.0	104.5	102.5		Stiff gray clay w/silt lenses	P = 0.60 T = 0.60	
43	104.5	105.0			Ditto		
44	109.0	109.5			Ditto	P = 0.60 T = 0.60	
45	109.5	110.0			Ditto		
46	114.0	114.5			Ditto	P = 0.60	
47	114.5	115.0			Ditto		

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

(Sheet #2)

## LOG OF BORING

Sheet 3 of 4

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 65  
(Cont'd)

Date 17 &amp; 18 August 1971

Ground Elev. 13.05 Datum MSL Gr. Water Depth

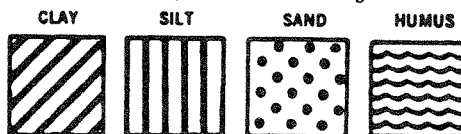
Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
48	119.0	119.5			Stiff gray clay w/silt lenses	P = 0.60	T = 0.60
49	119.5	120.0			Ditto		
50	124.0	124.5		124.5	Ditto	P = 0.60	T = 0.60
51	124.5	125.0	124.5	127.0	Stiff gray sandy clay w/shells		
52	129.0	129.5	127.0		Medium stiff gray silty clay w/sand lenses	P = 0.40	T = 0.40
53	129.5	130.0			Ditto		
54	134.0	134.5			Ditto	P = 0.40	T = 0.40
55	134.5	135.0			Ditto		
56	139.0	139.5			Ditto	P = 0.40	T = 0.40
57	139.5	140.0			Ditto		
58	144.0	144.5			Medium stiff gray silty clay	P = 0.45	T = 0.40
59	144.5	145.0		147.0	Ditto		
60	149.0	149.5	147.0		Stiff greenish-gray clay w/trace of organic matter	P = 0.85	T = 0.80
61	149.5	150.0			Ditto		
62	154.0	154.5			Stiff greenish-gray clay	P = 1.00	T = 1.00
63	154.5	155.0		156.0	Ditto		
64	159.0	159.5	156.0		Medium stiff gray silty clay w/sand layers	P = 0.40	T = 0.40
65	159.5	160.0			Ditto		
66	164.0	164.5			Medium stiff gray silty clay w/sand lenses	P = 0.40	T = 0.45
67	164.5	165.0		167.0	Ditto		
68	169.0	169.5	167.0		Very stiff greenish-gray & tan clay	P = 1.35	
69	169.5	170.0			Ditto		

DEPTH IN FT.

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.

(Sheet #3)



## LOG OF BORING

Sheet 1 of 2

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 66(5")

Date 16 August 1971

Ground Elev. 12.95

Datum MSL

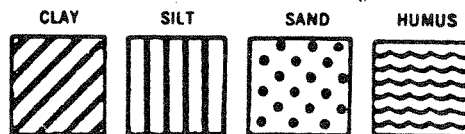
Gr. Water Depth

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	1.0	Plowed		
1	2.0	3.0	1.0		Medium stiff tan & gray silty clay	P = 0.30 T = 0.35	
2	5.0	6.0		7.0	Ditto	P = 0.40 T = 0.40	
3	8.0	9.0	7.0	9.0	Soft gray & tan fissured clay	P = 0.15 T = 0.15	
4	11.5	12.0	9.0		Medium stiff gray fissured clay	P = 0.30 T = 0.30	
5	14.5	15.0		17.0	Ditto	P = 0.40 T = 0.40	
6	19.5	20.0	17.0	23.0	Stiff gray & tan clay	P = 0.60 T = 0.65	
7	24.5	25.0	23.0	25.0	Medium stiff gray & tan silty clay	P = 0.35 T = 0.30	
8	26.5	27.5	25.0	27.5	Soft gray silty clay w/sand layers	P = 0.15 T = 0.15	
9	28.5	30.0	27.5	32.0	Medium dense gray silty sand w/clay pockets	4 16	
10	33.5	35.0	32.0		Soft to medium stiff gray clay w/sand lenses	2 5	
11	39.0	40.0		41.0	Soft to medium stiff gray clay w/many shells	P = 0.30	
12	44.0	45.0	41.0		Medium stiff gray clay w/silt lenses	P = 0.40	
13	49.0	50.0		54.0	Ditto	P = 0.40 T = 0.40	
14	54.0	55.0	54.0	58.5	Stiff gray & tan fissured clay	P = 0.60 T = 0.60	
15	59.0	60.0	58.5	63.0	Very stiff greenish-gray & tan silty clay	P = 1.20	
16	64.0	65.0	63.0	66.0	Loose to medium compact tan sandy silt w/clay layers		
17	69.0	70.0	66.0		Very stiff tan & gray clay	P = 1.30	
18	74.0	75.0		78.0	Ditto	P = 1.20	
19	79.0	80.0	78.0	84.0	Stiff tan & gray clay w/silt pockets & layers	P = 1.30	

\* Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

WHILE THIS LOG OF BORING IS CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

Remarks:



Predominant type shown heavy. Modifying type shown light.

(Sheet #1)

name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. 66(5")  
(Cont'd)

Date 16 August 1971

Ground Elev. 12.95

Datum MSL

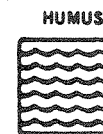
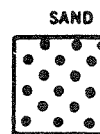
Gr. Water Depth

[illegible]

Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. split spoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. split spoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.



## LOG OF BORING

Sheet 1 of 4

Name of Project: Louisiana Power &amp; Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. B-67

Date 3 &amp; 4 August 1971

Ground Elev. 12.55

Datum MSL

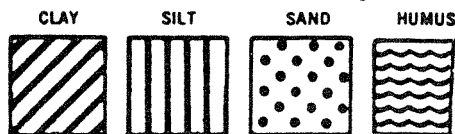
Gr. Water Depth

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	1.0	Plowed		
1	2.0	2.5	1.0		Medium stiff tan & gray silty clay	P=0.30	
2	2.5	3.0		4.0	Ditto	P=0.30	
3	5.0	5.5	4.0		Soft tan & gray silty clay	P=0.15	
4	5.5	6.0		7.0	Ditto	P=0.15	
5	8.0	8.5	7.0		Soft gray fissured clay w/silt lenses	P=0.15	
6	8.5	9.0			Ditto	P=0.15	
7	11.0	11.5			Ditto	P=0.25	
8	11.5	12.0		13.0	Ditto	P=0.25	
9	14.0	14.5	13.0		Medium stiff gray clay w/silt lenses	P=0.35	
10	14.5	15.0		17.0	Ditto	P=0.35	
11	19.0	19.5	17.0		Stiff gray & tan clay	P=0.60	
12	19.5	20.0			Ditto	P=0.60	
13	24.0	24.5			Ditto	P=0.55	
14	24.5	25.0		27.0	Stiff gray & tan clay w/clayey silt pockets	P=0.55	
15	27.0	28.5	27.0	30.0	Medium dense gray silty sand	4	18
16	30.0	31.5	30.0		Soft gray clay w/silty sand pockets	7	7
17	34.0	34.5			Ditto	P=0.20	
18	34.5	35.0			Ditto	P=0.20	
19	39.0	39.5		39.5	Ditto	P=0.15	
20	39.5	40.0	39.5		Soft gray silty clay w/sand layers & lenses	P=0.15	
21	44.0	44.5		44.5	Ditto	P=0.20	
22	44.5	45.0	44.5		Medium stiff gray clay w/silt lenses	P=0.35	
23	49.0	49.5			Ditto	P=0.35	

\*Number in first column indicates number of blows of 140-lb. hammer dropped 30 in. required to seat 2-in. O. D. splitspoon sampler 6 in. Number in second column indicates number of blows of 140-lb. hammer dropped 30 in. required to drive 2-in. O. D. splitspoon sampler 1 ft. after seating 6 in.

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Remarks:



Predominant type shown heavy. Modifying type shown light.

(Sheet #1)

## LOG OF BORING

Sheet 2 of 4

Name of Project: Louisiana Power & Light Company

Site "X", St. Charles Parish, Louisiana

For: Ebasco Services Incorporated, New York, New York

Boring No. B-67Date 3 & 4 August 1971

(Cont'd)

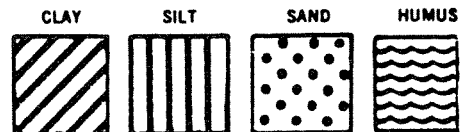
Ground Elev. 12.55 Datum MSL Gr. Water Depth \_\_\_\_\_

Sample No.	SAMPLE Depth — Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	*STANDARD PENETRATION TEST	
	From	To	From	To			
24	49.5	50.0			Medium stiff gray clay w/silt lenses	P=0.35	
25	54.0	54.5			Ditto	P=0.40	
26	54.5	55.0		57.5	Ditto	P=0.40	
27	59.0	59.5	57.5		Very stiff greenish-gray & tan silty clay	P=1.30	
28	59.5	60.0		62.5	Ditto	P=1.30	
29	64.0	64.5	62.5		Very stiff tan & gray clay w/sand layers	P=1.20	
30	64.5	65.0			Very stiff tan & gray clay w/sand lenses	P=1.20	
31	69.0	69.5			Very stiff tan & gray clay	P=1.30	
32	69.5	70.0			Ditto	P=1.30	
33	74.0	74.5			Ditto	P=1.25	
34	74.5	75.0			Ditto	P=1.25	
35	79.0	79.5			Very stiff tan & gray clay w/clayey silt layers	P=1.25	
36	79.5	80.0			Ditto	P=1.25	
37	84.0	84.5			Very stiff tan & gray clay	P=1.30	
38	84.5	85.0			Ditto	P=1.30	
39	88.0	88.5			Ditto	P=1.20	
40	88.5	89.0		89.0	Very stiff tan & gray clay w/sand pockets	P=1.20	
41	89.0	90.5	89.0		Dense to very dense tan silty sand with clay layers	12	49
42	93.5	95.0			Dense to very dense tan silty sand	20	50=7"
43	98.5	100.0		102.0	Ditto	50=6"(Seat)	

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Remarks: \_\_\_\_\_



Predominant type shown heavy. Modifying type shown light.

(Sheet #2)