

LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

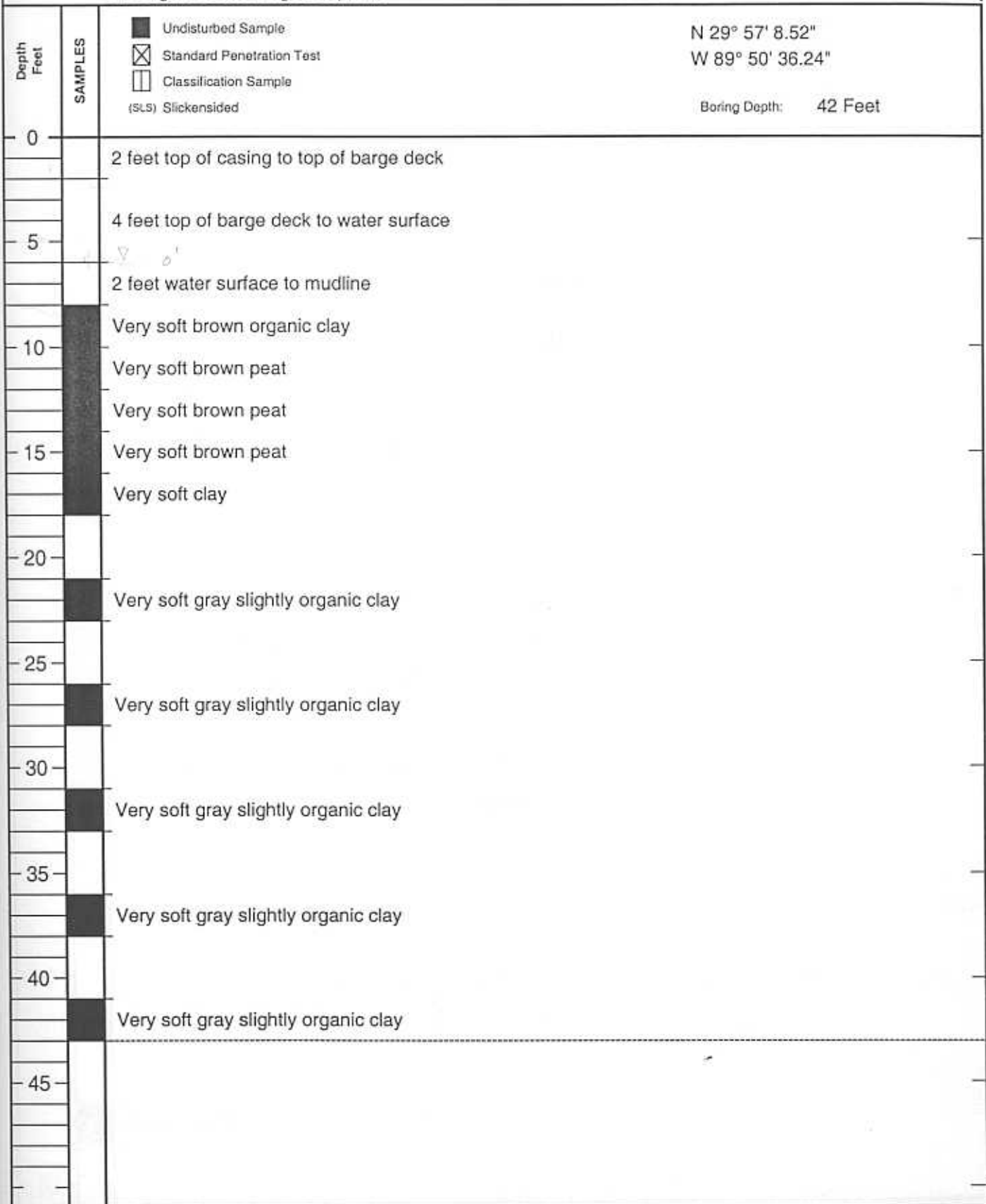
Boring: 1
 File: 02-115
 Date: 12-Nov-02
 Technician: JH

Depth Feet	SAMPLES	Description	Coordinates
0		2 feet top of casing to top of barge deck	N 29° 57' 27.90" W 89° 50' 48.00"
5		4 feet top of barge deck to water surface	
		2 feet water surface to mudline	Boring Depth: 23 Feet
10		Very soft brown organic clay	
		Very soft brown organic clay	
		Very soft brown organic clay	
15		Very soft brown organic clay	
		Very soft brown peat	
20		Very soft gray organic clay	
25			

LOG OF BORING

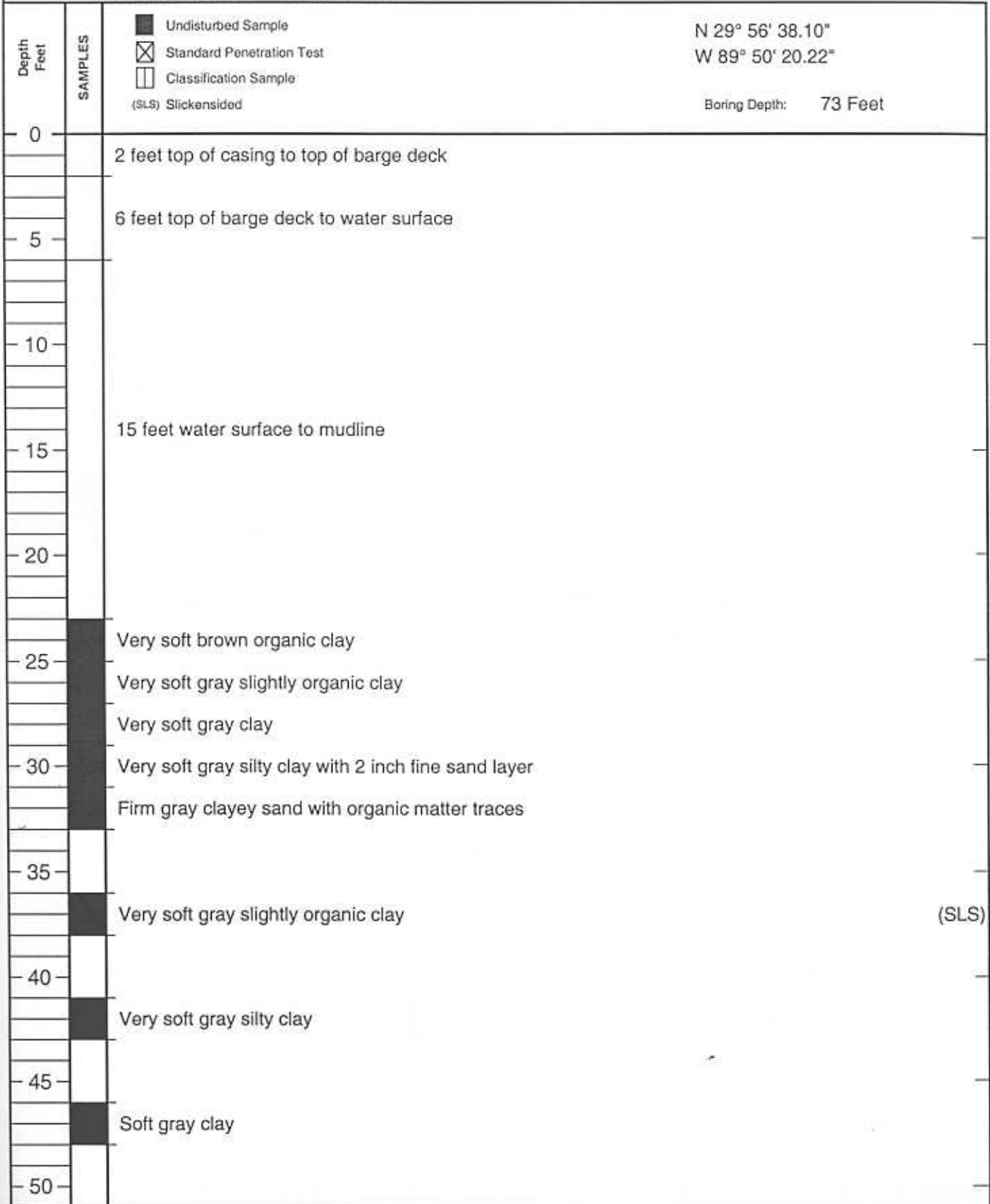
Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

Boring: 2
 File: 02-115
 Date: 12-Nov-02
 Technician: JH



LOG OF BORING

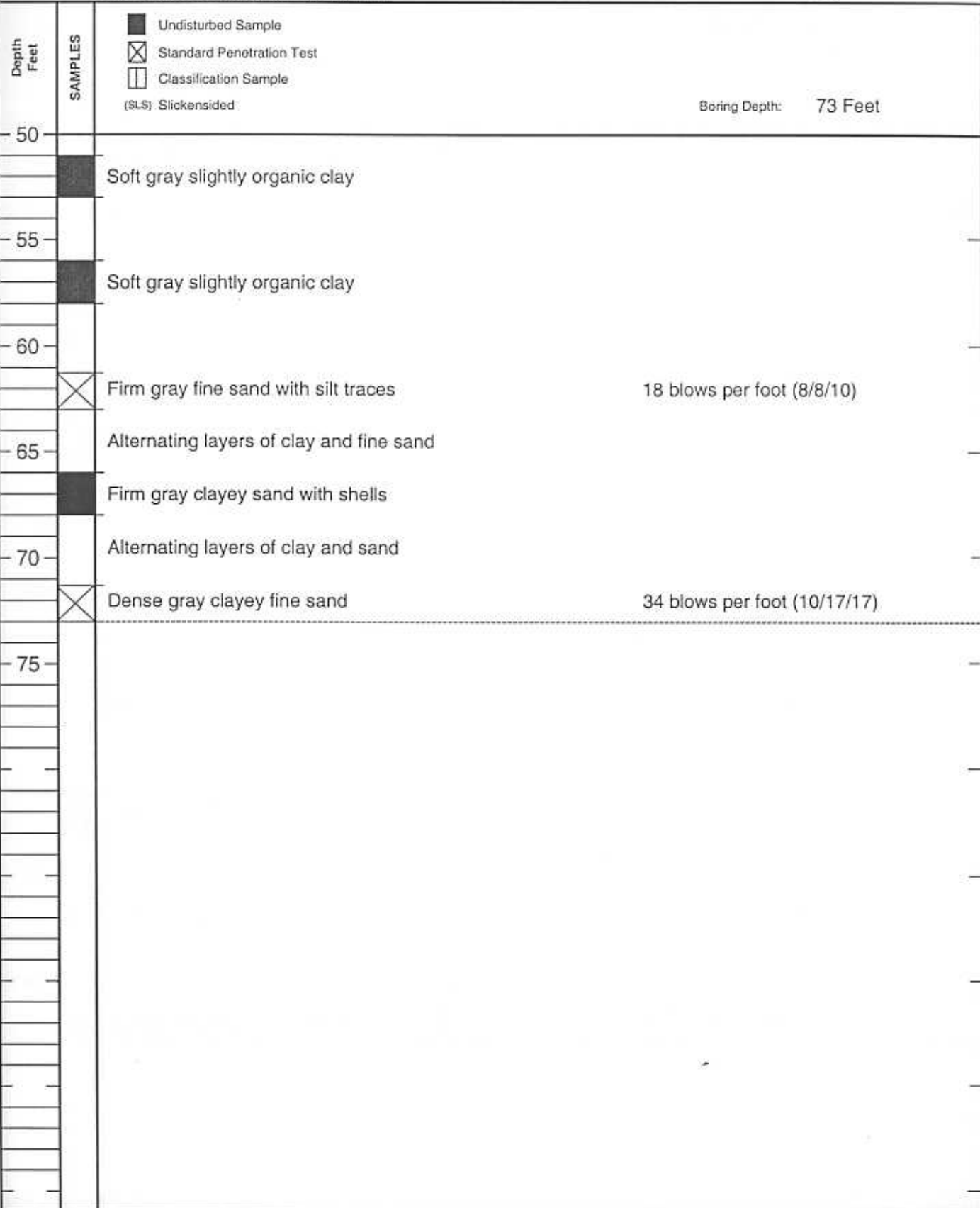
Project: Shoreline Protection/Marsh Creation at Lake Borgne DNR Contract No. 2503-03-15 PO-30 For: State of Louisiana, Department of Natural Resources c/o Sigma Consulting Group, Inc.	Boring: 3 File: 02-115 Date: 13-Nov-02 Technician: JH
--	--



LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

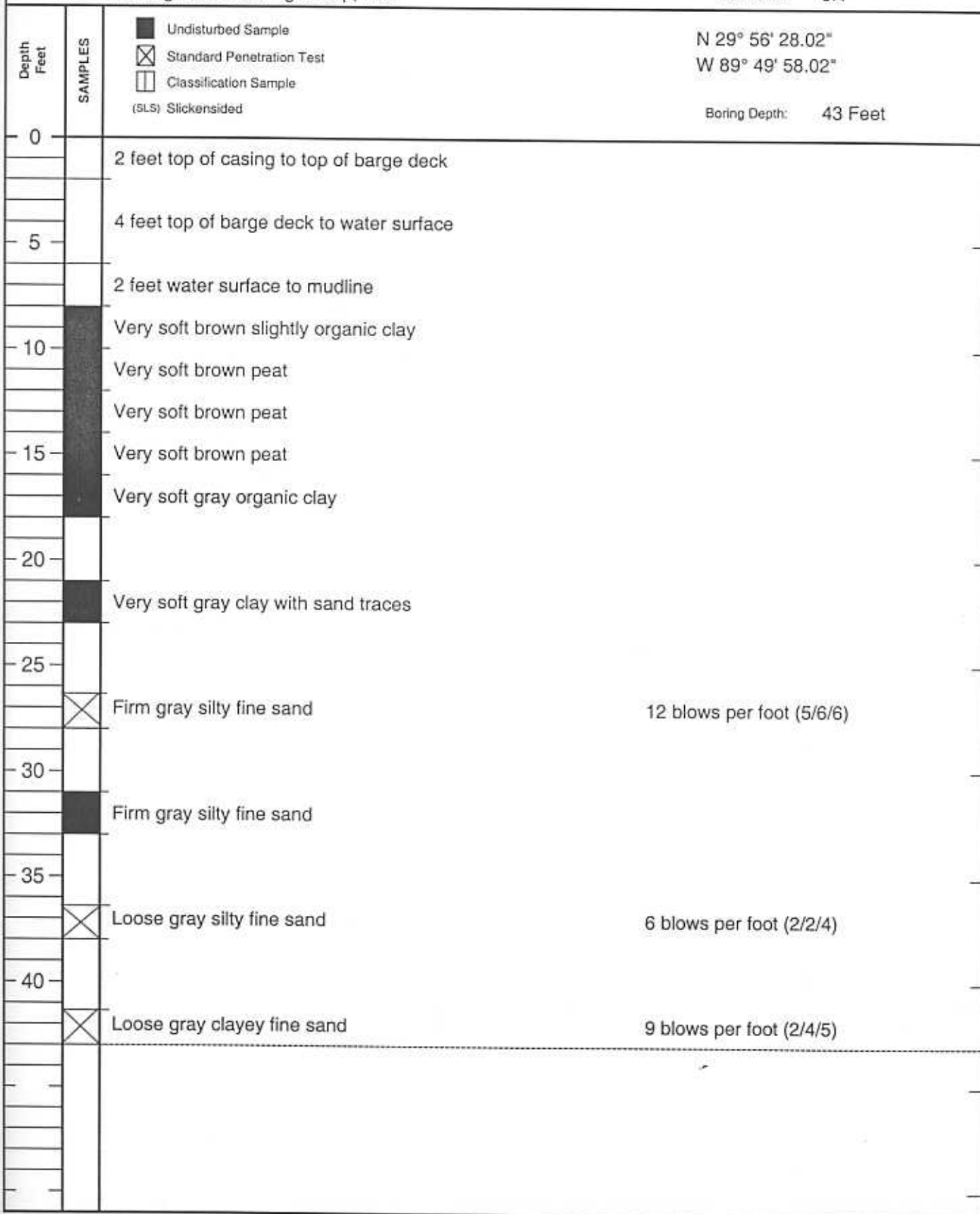
Boring: 3
 File: 02-115
 Date: 13-Nov-02
 Technician: JH



LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

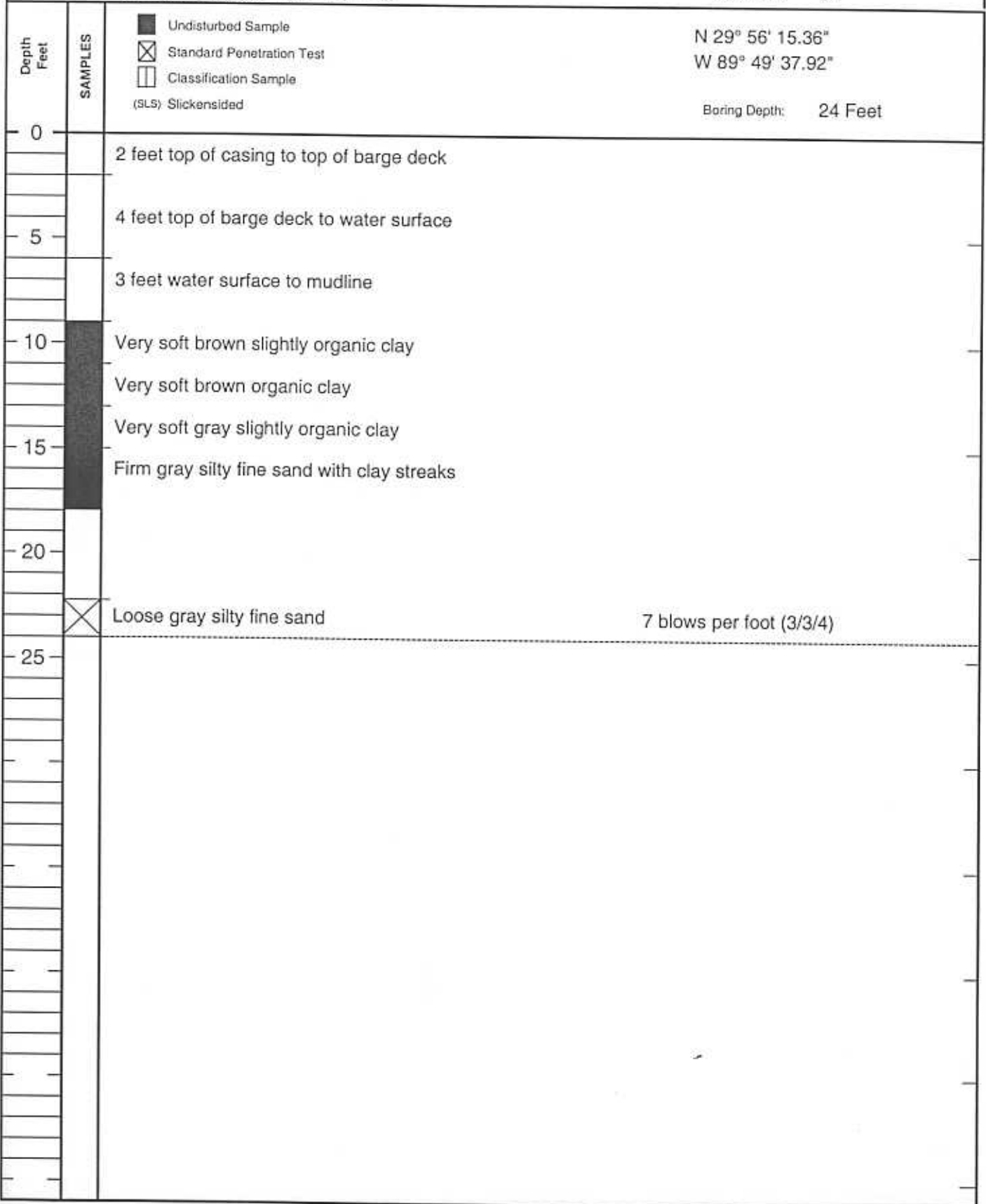
Boring: 4
 File: 02-115
 Date: 13-Nov-02
 Technician: JH



LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

Boring: 5
 File: 02-115
 Date: 14-Nov-02
 Technician: JH



N 29° 56' 15.36"
 W 89° 49' 37.92"

Boring Depth: 24 Feet

LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

Boring: 6
 File: 02-115
 Date: 12-Nov-02
 Technician: JH

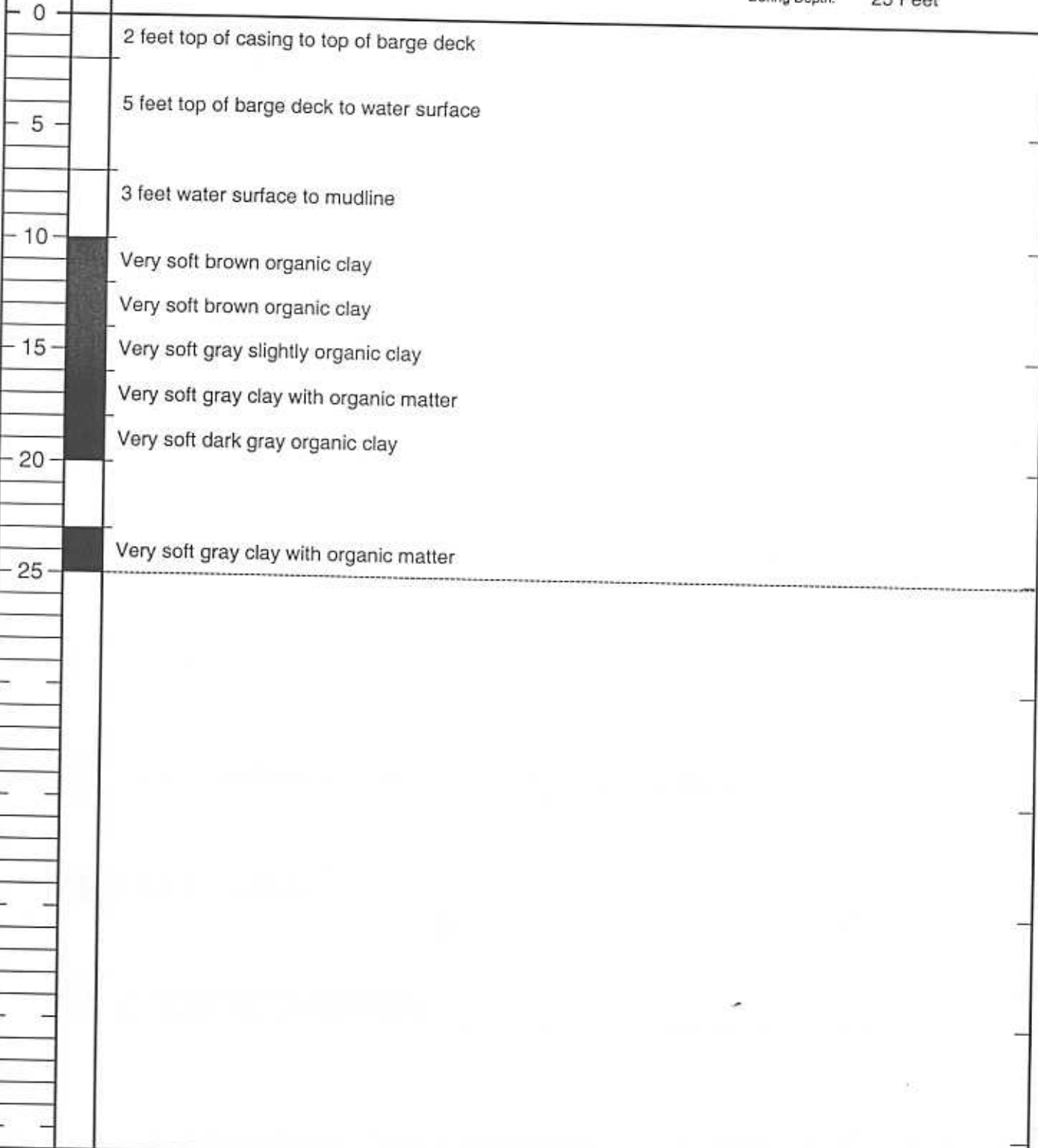
Depth
Feet

SAMPLES

- Undisturbed Sample
- Standard Penetration Test
- Classification Sample
- (SLS) Slickensided

N 29° 52' 17.34"
 W 89° 41' 55.82"

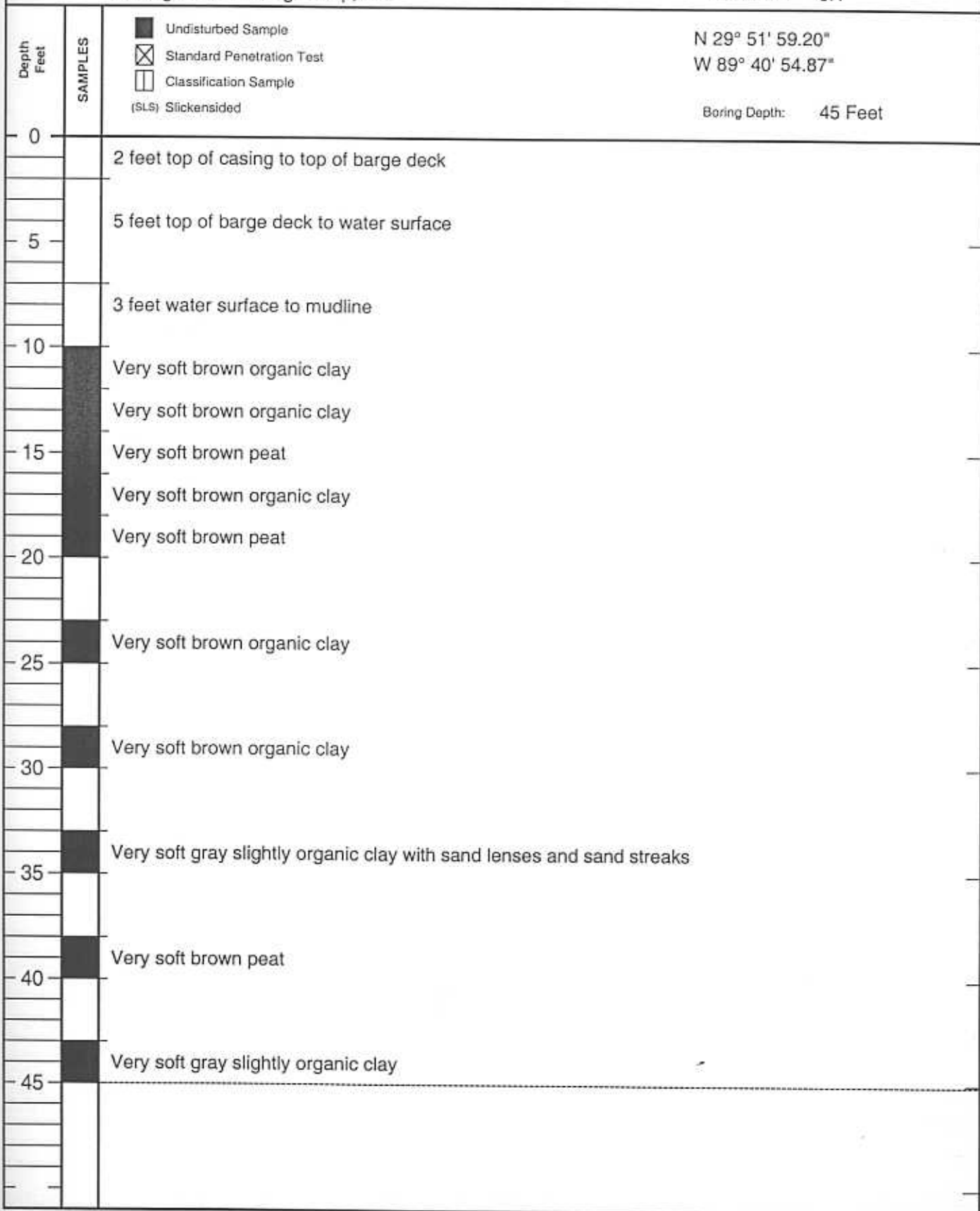
Boring Depth: 25 Feet



LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

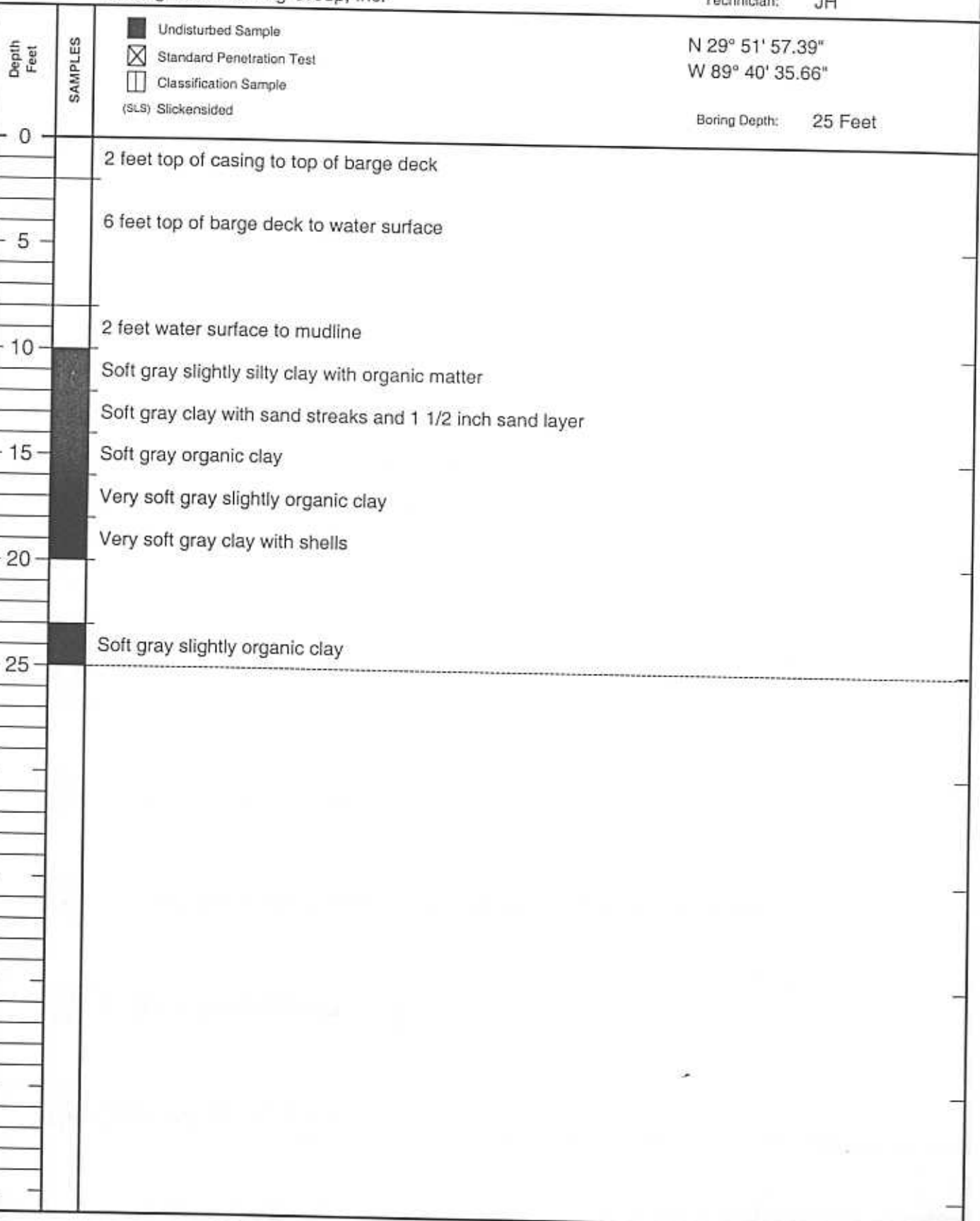
Boring: 7
 File: 02-115
 Date: 12-Nov-02
 Technician: JH



LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

Boring: 8
 File: 02-115
 Date: 12-Nov-02
 Technician: JH

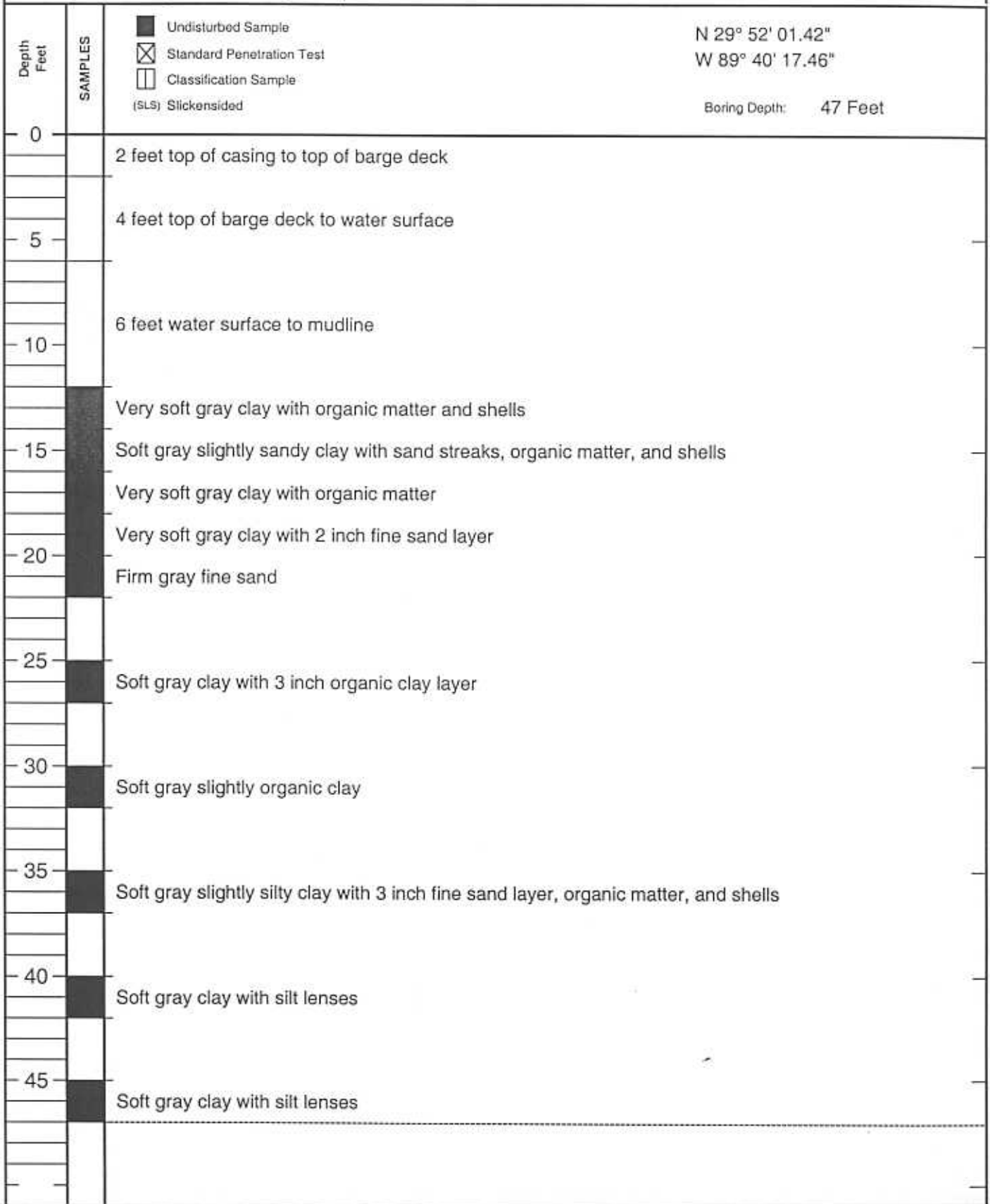


- Undisturbed Sample
- Standard Penetration Test
- Classification Sample
- (SLS) Slickensided

LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

Boring: 9
 File: 02-115
 Date: 14-Nov-02
 Technician: JH



LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

Boring: 10
 File: 02-115
 Date: 11-Nov-02
 Technician: JH

Depth Feet	SAMPLES	Description	Blows per foot
0		2 feet top of casing to top of barge deck	
5		4 feet top of barge deck to water surface	
		2 feet water surface to mudline	
10		Very soft gray slightly organic clay	
	X	Very loose gray shells with sand traces	2 blows per foot (1/1/1)
	X	Very loose gray sand with shells and silt traces	2 blows per foot (1/1/1)
15	X	Loose gray shells and sand with silt traces	3 blows per foot (1/2/1)
	X	Loose gray shells with sand traces	4 blows per foot (1/2/2)
20			
	X	Loose gray clayey sand with organic matter	9 blows per foot (6/4/5)
25			

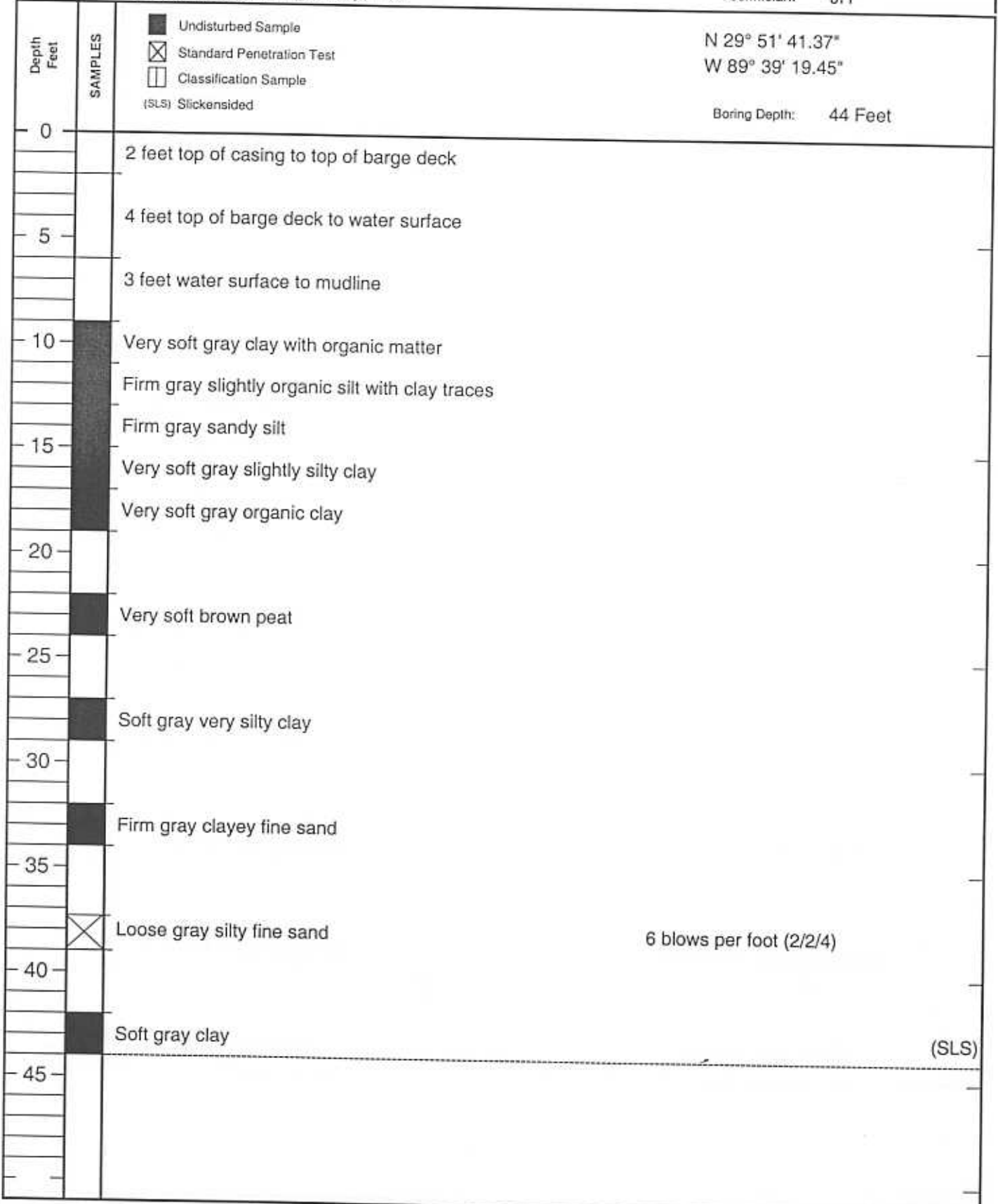
N 29° 51' 50.63"
 W 89° 39' 49.78"

Boring Depth: 22 Feet

LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

Boring: 11
 File: 02-115
 Date: 11-Nov-02
 Technician: JH



N 29° 51' 41.37"
 W 89° 39' 19.45"

Boring Depth: 44 Feet

LOG OF BORING

Project: Shoreline Protection/Marsh Creation at Lake Borgne
 DNR Contract No. 2503-03-15 PO-30
 For: State of Louisiana, Department of Natural Resources
 c/o Sigma Consulting Group, Inc.

Boring: 12
 File: 02-115
 Date: 14-Nov-02
 Technician: JH

