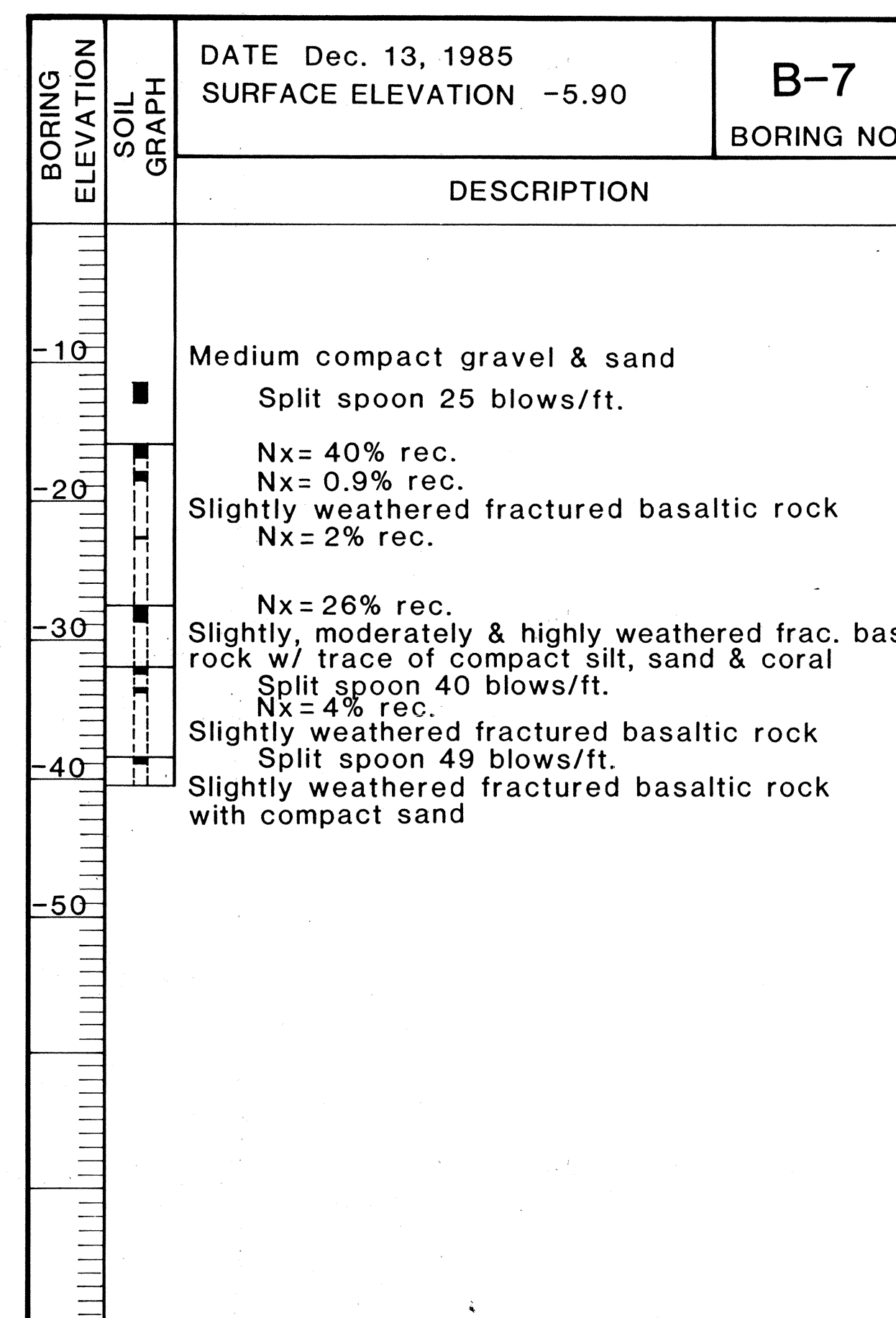
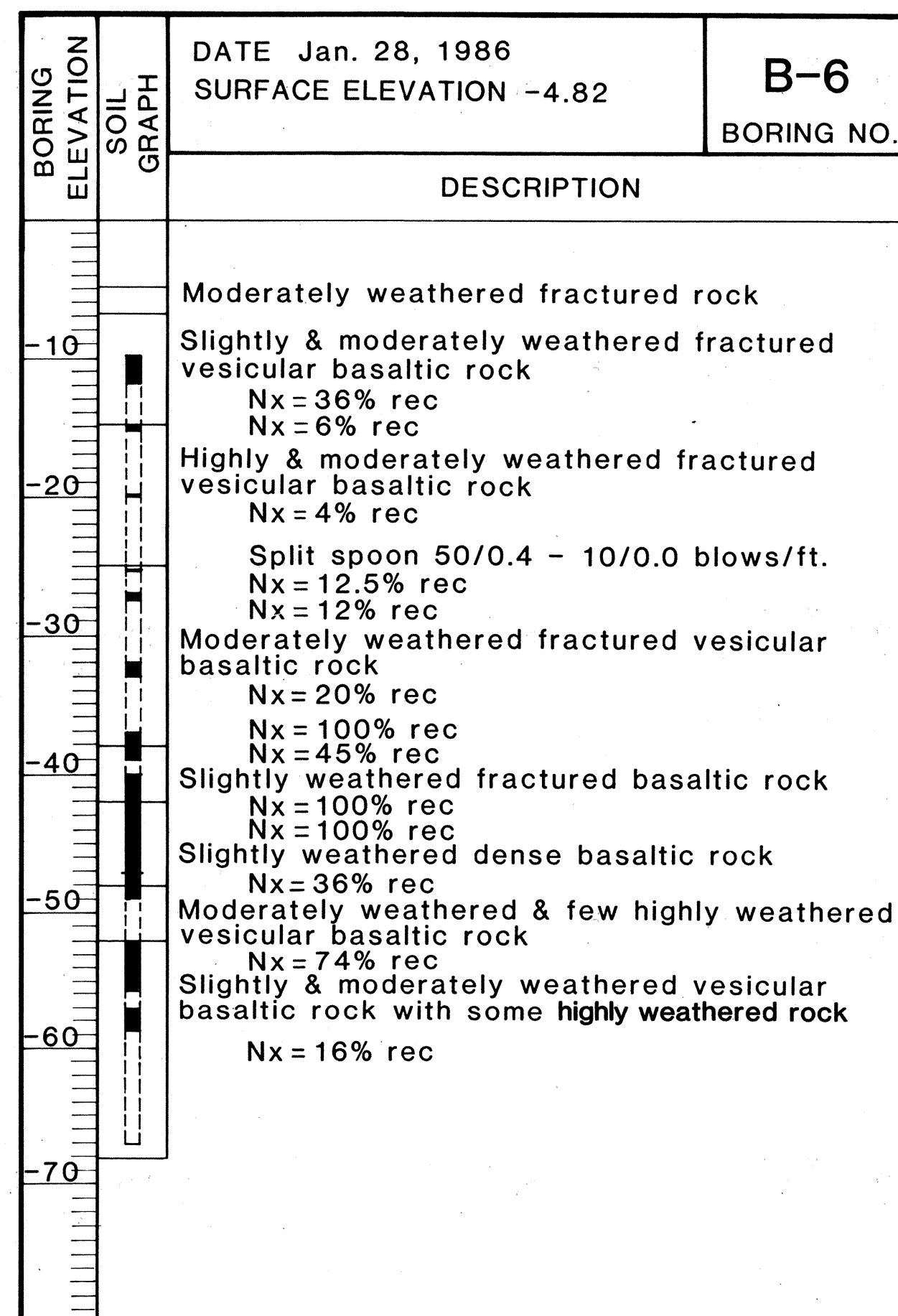
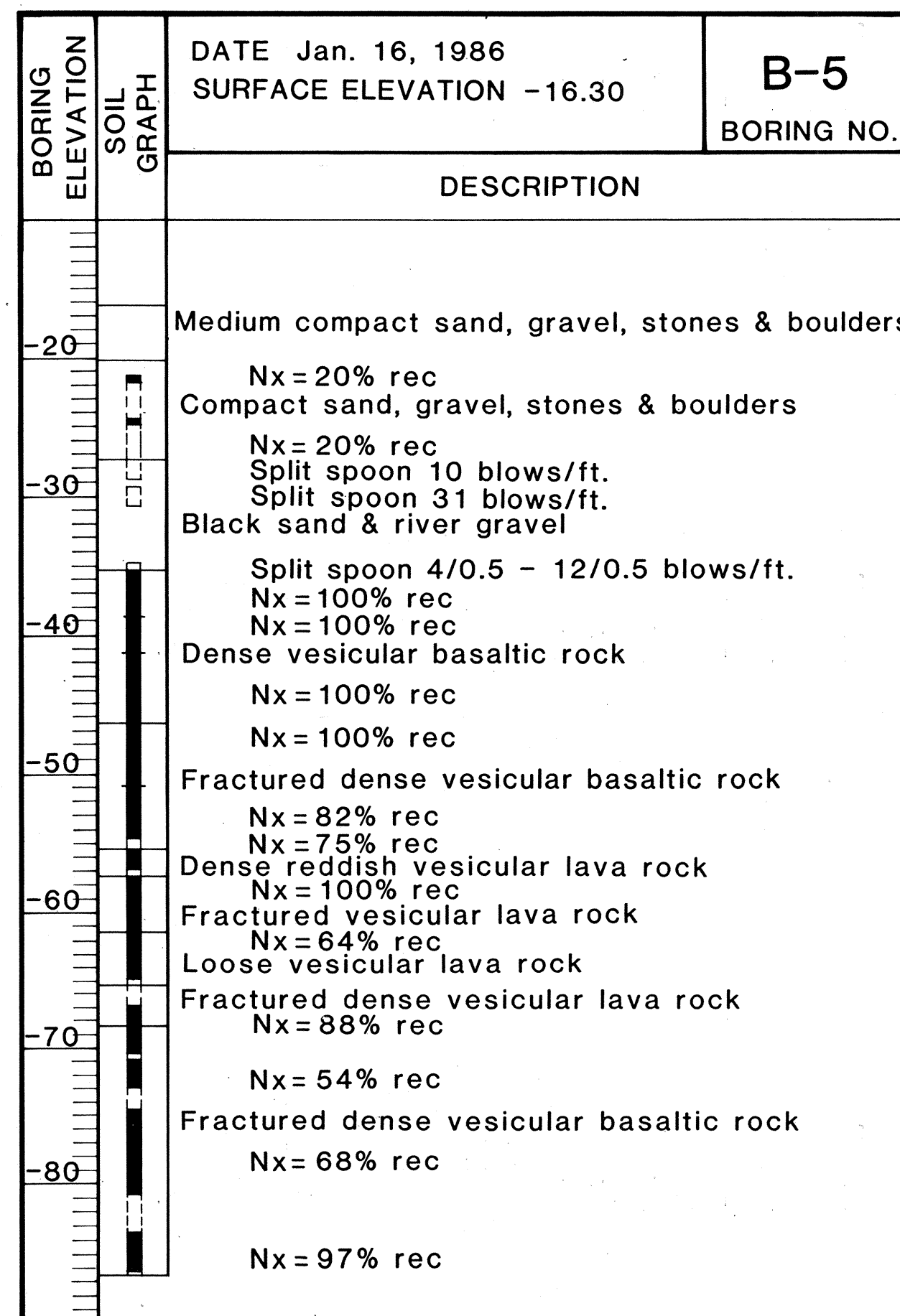
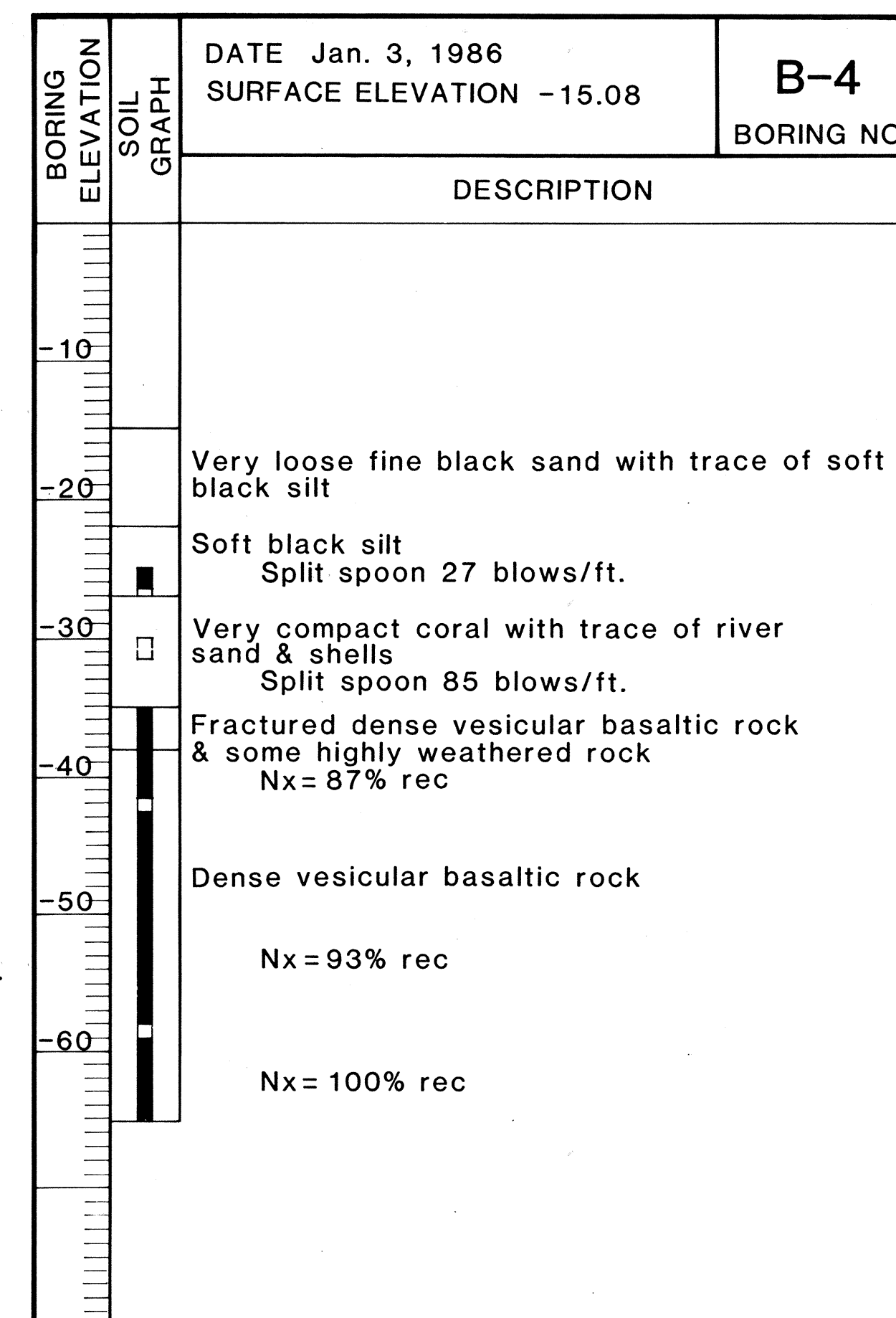
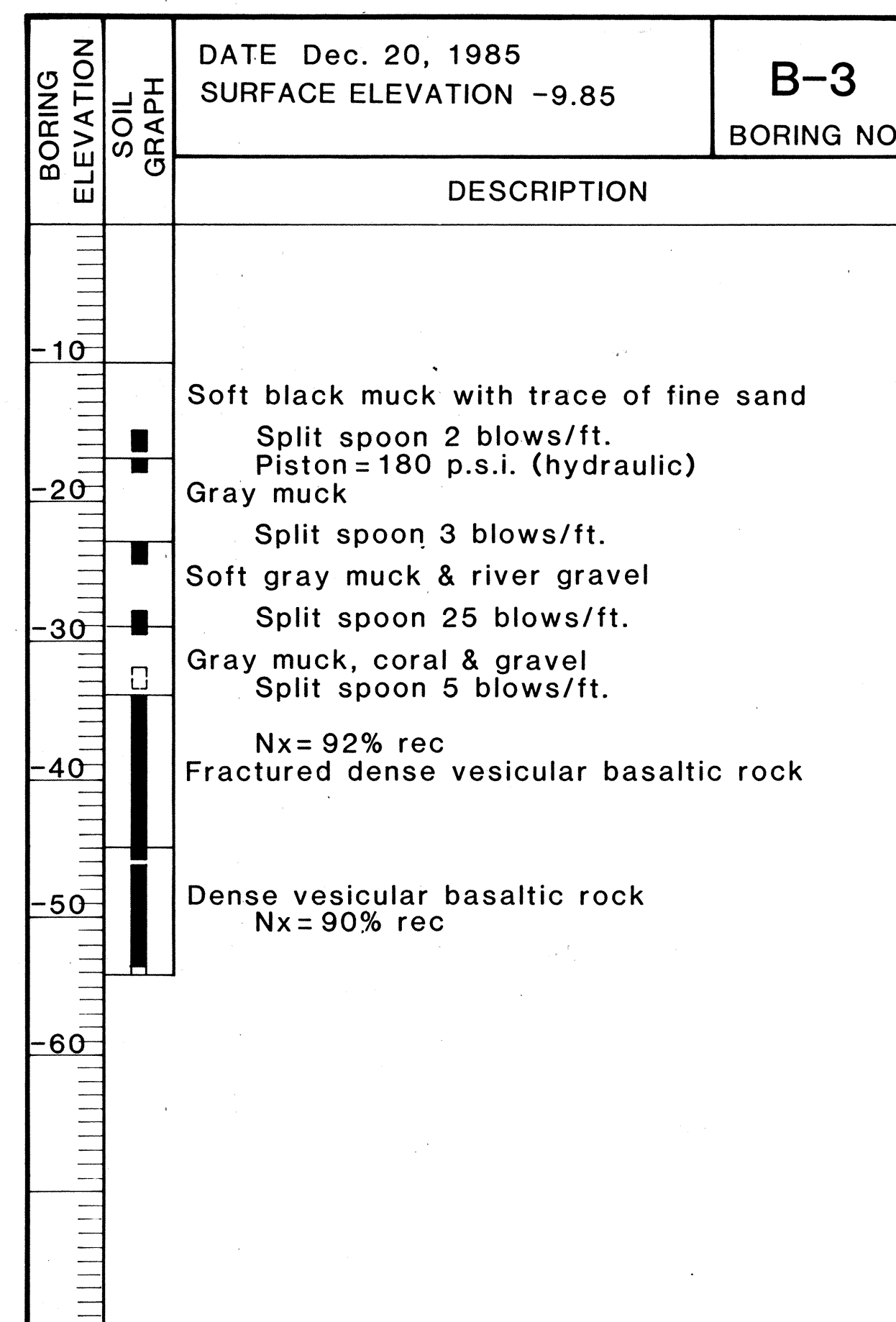
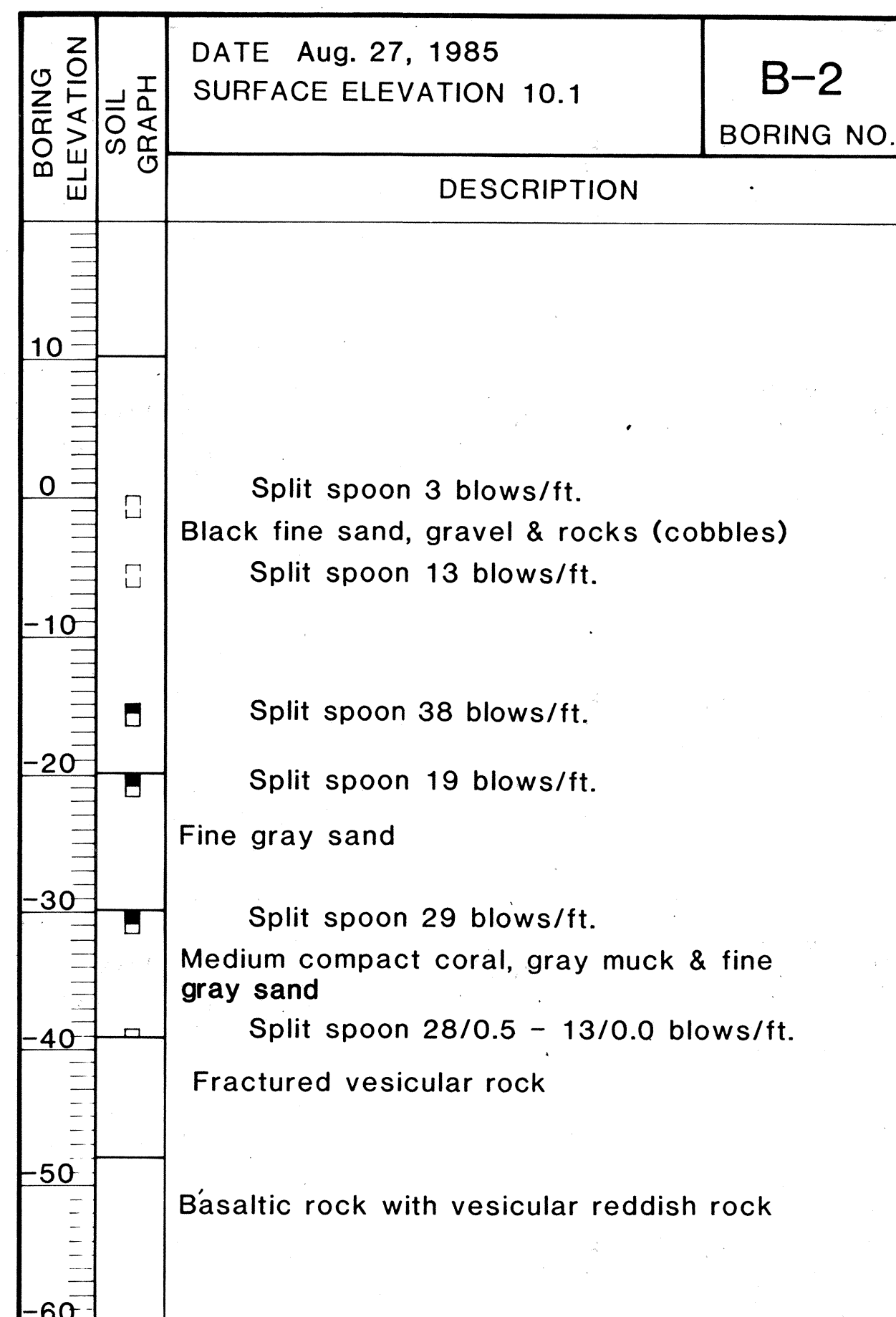
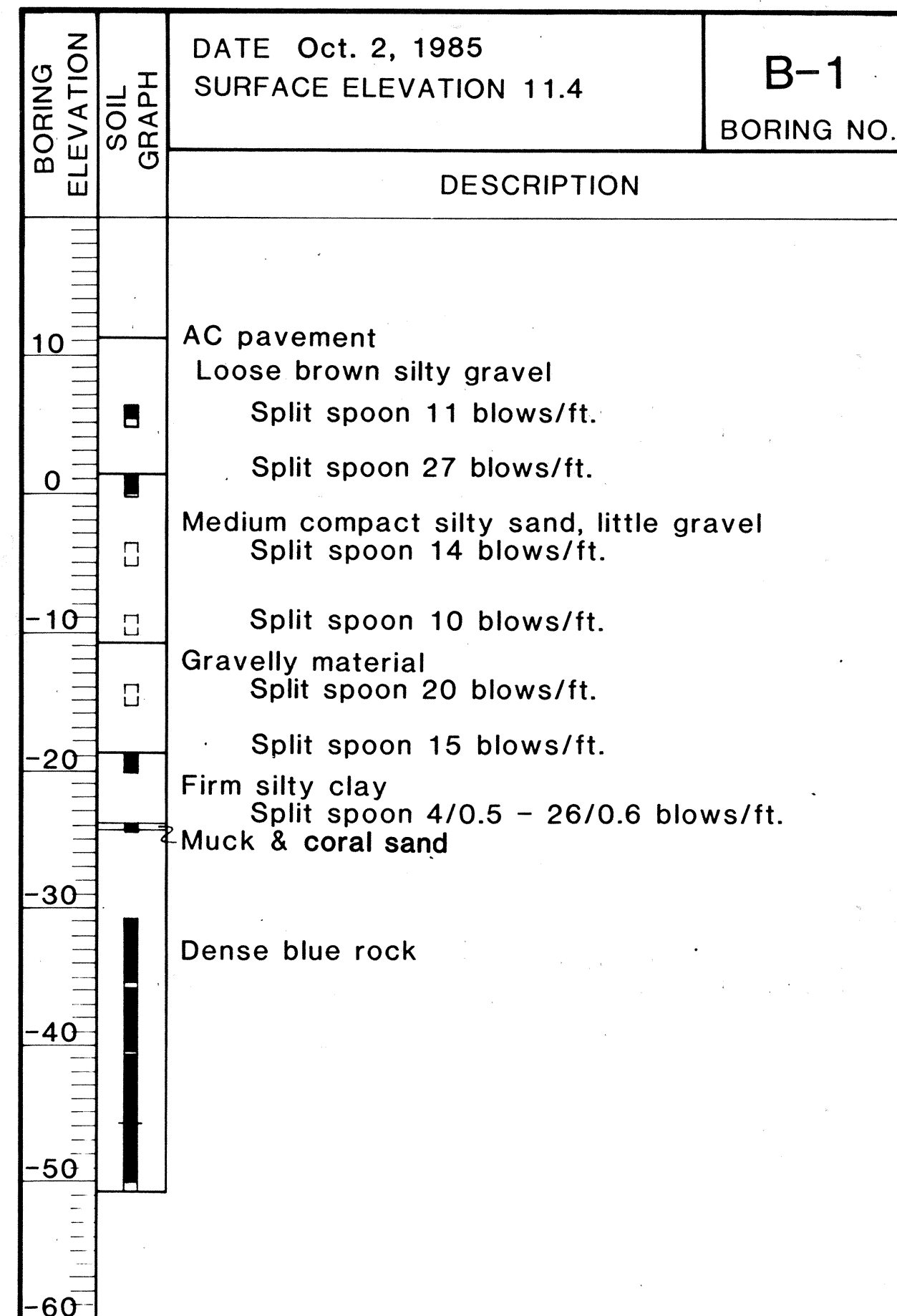


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-F-019-2 (27)	1987	80	134

NOTE:

Boring Log locations shown on sheet 5-5.



DATE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
APPROVED BY	
NO.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Wayne S. Nakamura

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
BORING LOGS	
HAWAII BELT ROAD/KAMEHAMEHA AVENUE Wailoa Bridge Replacement and Approaches FEDERAL AID PROJECT NO. BR-F-019-2(27)	
SCALE: AS NOTED	DATE: SEPT., 1986
SHEET No. 80-1 OF 2 SHEETS	

DATE	REVISION
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-F-019-2 (27)	1987	81	134

BORING ELEVATION	SOIL GRAPH	DATE Oct. 3, 1985 SURFACE ELEVATION 6.78	R-1 BORING NO.
		DESCRIPTION	
10		AC pavement & fill material	
0	■	Split spoon 25 blows/ft. Medium compact silty sand	
	■	Split spoon 23 blows/ft.	
-10	■	Split spoon 22 blows/ft. Medium compact silty sand with some clay	
	■	Medium compact sand & gravel	
-20	■	Split spoon 7 blows/ft. Loose gravel & sand	

BORING ELEVATION	SOIL GRAPH	DATE Sept. 23, 1985 SURFACE ELEVATION 6.08	R-2 BORING NO.
		DESCRIPTION	
10			
0	■	Black coarse sand & gravel Split spoon 15 blows/ft.	
	■	Piston 300 p.s.i. (hydraulic) Split spoon 14 blows/ft.	
-10	■	Split spoon 29 blows/ft.	
	■	Piston 400 p.s.i. Fine black sand	
-20	■	Split spoon 14 blows/ft.	
	■	Piston 400 p.s.i. black sand & coral Split spoon 45 blows/ft.	
-30	■	Coral with some black sand	
	■	Split spoon 37 blows/ft.	
-40	■	Grey rock	
	■	Split spoon 64 blows/ft. Medium compact black sand	
-50			

BORING ELEVATION	SOIL GRAPH	DATE Sept. 23, 1985 SURFACE ELEVATION 4.93	R-3 BORING NO.
		DESCRIPTION	
10			
0	■	Brown silty clay and some gravel Piston 300 p.s.i. (hydraulic) Medium compact brown silty clay & black sand Split spoon 19 blows/ft.	
	■	Medium compact silty black sand Piston 280 p.s.i. (no penetration) Split spoon 22 blows/ft.	
-10	■	Medium compact silty sand, little gravel Split spoon 41 blows/ft.	
	■	Compact silty black sand, some gravel Compact silty black sand and gravel Split spoon 33 blows/ft.	
-20	■	Firm clayey silt Split spoon 18 blows/ft.	
-30			

BORING ELEVATION	SOIL GRAPH	DATE Sept. 16, 1985 SURFACE ELEVATION 3.30	R-4 BORING NO.
		DESCRIPTION	
10			
0	■	Aggregate base & sandy material	
	■	Split spoon 22 blows/ft. Firm to stiff sand	
-10	■	Split spoon 22 blows/ft. Firm sand Piston 300 p.s.i. (hydraulic) Split spoon 26 blows/ft.	
	■	Compact sand	
-20	■	Split spoon 20 blows/ft.	
	■	Split spoon 9 blows/ft. Loose sand	
-30	■	Split spoon 30 blows/0.5 ft. Compact gravel & sand Brown decomposed rock Decomposed rock, gravel Split spoon 26 blows/0.5 ft.	
	■	Very compact gravel Weathered rock	
-40	■	Dense rock Rec = 64%	
-50			

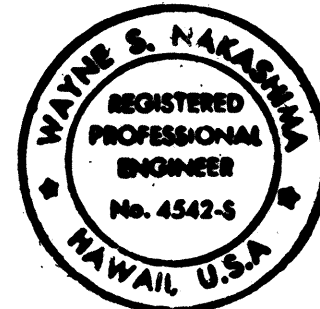
BORING ELEVATION	SOIL GRAPH	DATE Sept. 24, 1985 SURFACE ELEVATION 5.48	R-5 BORING NO.
		DESCRIPTION	
10			
0	■	Silty brown clay & stones	
	■	Split spoon 23 blows/ft. Loose gravel and brown silty clay	
-10	■	Nx = 18% rec. Dense rock	
-20			

BORING ELEVATION	SOIL GRAPH	DATE Sept. 24, 1985 SURFACE ELEVATION 6.38	R-6 BORING NO.
		DESCRIPTION	
10			
0	■	Silty brown clay & stones	
	■	Split spoon 2 blows/ft. Loose brown silty clay and stones Split spoon - hit rock, sampler bouncing	
-10	■	Dense rock	

BORING ELEVATION	SOIL GRAPH	DATE Sept. 25, 1985 SURFACE ELEVATION 6.80	R-8 BORING NO.
		DESCRIPTION	
10			
0	■	Brown silty clay	
	■	Dense blue rock	
-10			

BORING ELEVATION	SOIL GRAPH	DATE Sept. 25, 1985 SURFACE ELEVATION 8.60	R-7 BORING NO.
		DESCRIPTION	
10			
0	■	Brown silty clay & stones Nx = 92% rec. Dense rock	
-10			

BORING ELEVATION	SOIL GRAPH	DATE Sept. 25, 1985 SURFACE ELEVATION 6.85	R-9 BORING NO.
		DESCRIPTION	
10			
0	■	Brown silty clay & stones Large stones Dense fractured rock Nx = 52% rec. Dense blue rock	
-10			



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BORING LOGS

HAWAII BELT ROAD/KAMEHAMEHA AVENUE
Wailoa Bridge Replacement and Approaches
FEDERAL AID PROJECT NO. BR-F-019-2(27)

SCALE: AS NOTED DATE: SEPT, 1986

SHEET No. 81 OF 2 SHEETS