MUESER RUTLEDGE CONSULTING ENGINEERS

BORING LOG

BORING NO. MR-204-X
SHEET 1 OF 2
FILE NO. 6909
MUDLINE ELEV. -11.5
RES. ENGR. BEN BENBASSET

PROJECT ALLIED-SIGNAL INC. BALTIMORE WORKS
LOCATION BALTIMORE, MARYLAND

DAILY PROGRESS	SAMPLE NO.	SAMPLE DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	STRATA	DEPTH	CASING BLOWS	REMARKS
0900	1D	0.0	WR/24"	Soft black organic clayey silt, tr			WOC	Lowered casing
	(X)	2.0		decomposed vegetation (OL)				11.0'.
Monday	2D	2.5	WR/24"	Do 1D (OL)				Tide @ -0.5'.
12-18-89	(X)	4.5						X - Additional 16
Sunny						5.0		oz jar retained
20°F	3D	5.0	WR/24"	Do 1D (OL)	O			for chemical
	(X)	7.0						sample.
	4D	7.5	WR/24"	Do 1D (OL)				1D: DPC-N
	(X)	9.5						2 attempts.
						10.0		2D: DPC-N
	5D	10.0	WR-6	Stiff white, red silty clay, tr fine		10.5		2 attempts.
		12.0	11-14	sand (CL)			Drilled	3D: DPC-N
							Ahead	2 attempts.
								4D: DPC-N
					M	15.0		5D: DPC-Pink
								18" recovery,
	6D	16.5	11-16	Hard white, tan clayey silt, sm fine			Open	black wash at top
		18.5	20-22	sand (ML)			Hole	
								Yellow wash
						20.0		return at 14'
						21.0		possibly sand
	7D	21.5	11-18	White fine sandy silt, sm gravel, tr				layer.
		23.5	33-71	coarse sand, gravel (ML)				6D: DPC-Violet
					S-4			Red wash 20'-21'
						25.0		(red clay)
	8D	25.5	16-20	White coarse to fine sand, sm gravel,				
		27.5	39-41	tr silt (SP-SM)				8D: DPC-Pink
1315						27.5		End of boring at
								27.5'.
						30.0		Grouted upon
								completion.
						35.0		
						40.0		
						45.0		
						50.0		

MUESER RUTLEDGE CONSULTING ENGINEERS

PROJECT ALLIED-SIGNAL INC. BALTIMORE WORKS
LOCATION BALTIMORE, MARYLAND
BORING LOCATION OFFSHORE, NORTH BULKHEAD, WEST END

BORING NO. MR-204-X
SHEET 2 **OF** 2
FILE NO. 6909
MUDLINE ELEV. -11.5
DATUM BC&CMD

BORING EQUIPMENT AND METHODS OF STABILIZING BOREHOLE

TYPE OF BORING RIG
TRUCK: MD-B-61
SKID:
BARGE: X
OTHER:

TYPE OF FEED DURING DRILLING
MECHANICAL:
HYDRAULIC: X
OTHER:

CASING USED [X] YES [ ] NO
DIA.,IN. 2.5 DEPTH, FT. FROM 0.0 TO 16.5
DIA., IN. DEPTH, FT. FROM TO
DIA., IN. DEPTH, FT. FROM TO

DRILLING MUD USED [X] YES [ ] NO
DIAMETER OF ROTARY BIT, IN. 2
TYPE OF DRILLING MUD WATER
AUGER USED [ ] YES [X] NO
TYPE AND DIAMETER, IN.

TYPE AND SIZE OF:
D-SAMPLER 2" O.D. SPLIT SPOON
U-SAMPLER
S-SAMPLER
CORE BARREL
CORE BIT
DRILL RODS A W

CASING HAMMER, LBS. 140 AVERAGE FALL, IN. 30
SAMPLER HAMMER, LBS. 140 AVERAGE FALL, IN. 30

WATER LEVEL OBSERVATIONS IN BOREHOLE

DATE	TIME	DEPTH OF HOLE	DEPTH OF CASING	DEPTH TO WATER	CONDITIONS OF OBSERVATION

PIEZOMETER INSTALLED [ ] YES [X] NO SKETCH SHOWN ON

STANDPIPE: TYPE ID, IN. LENGTH, FT. TOP ELEV.
INTAKE ELEMENT: TYPE OD, IN. LENGTH, FT. TIP ELEV.
FILTER: MATERIAL OD, IN. LENGTH, FT. BOT. ELEV.

PAY QUANTITIES

2.5" DIA. DRY SAMPLE BORING LIN. FT. 27.5
3.5" DIA. U-SAMPLE BORING LIN. FT.
CORE DRILLING IN ROCK LIN. FT.

NO. OF 2" SHELBY TUBE SAMPLES
NO. OF 3" UNDISTURBED SAMPLES
OTHER LOWERED CASING 11.0'
2 EXTRA SPOONS

BORING CONTRACTOR HARDIN HUBER INC.
DRILLER PAUL SUIT HELPERS TERRY MISE
REMARKS GROUTED UPON COMPLETION. SAMPLES HOMOEGENIZED; UPPER 1D,2D;LOWER 3D,4D.
RESIDENT ENGINEER BEN BENBASSET DATE 12-18-89