DEPARTMENT OF ENVIRONMENTAL RESOURCES

CONTRACT NO. OSM PA (813) 101.5

PROJECT NO. OSM 40 (5123) 101.5

CONTINENTAL DRILLING - U.S.

PITTSTON, PA SITE 3

HOLE NO. 5

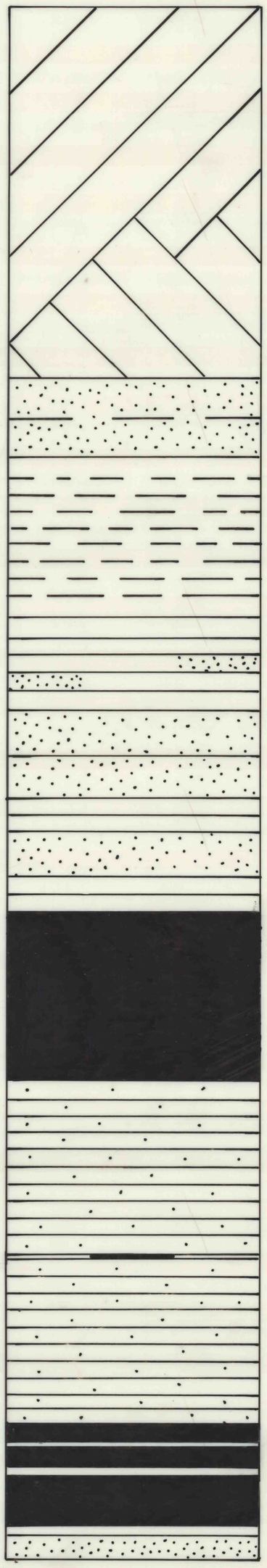
DEPTH DRILLED (COMPLETED) 184.5 LFT.

DEPTH DRILLED (BEGINNING) 0 LFT.

DATE DRILLED: 9 APRIL 1986

SURFACE ELEVATION:

DRILLING RUNS (ft.) FROM	TO	% CORE RECOV.	FIELD CLASSIFICATION OF MATERIALS
0	44		OVERBURDEN
44	54	74	GR. BROKEN SANDSTONE
54	64	78	
64	74	80	GR. BADLY BROKE SHALE
74	84	93	GRAY SHALE W/SANDSTONE STKS.
84	94	100	
94	104	100	GR. MED HARD SANDSTONE W/SHALE STKS.
104	114	100	DK. GRAY SHALE
114	124	100	COAL
124	134	100	
134	140.5	100	GR. SANDY SHALE
140.5	150.5	100	SH + COAL
150.5	160.5	100	GR. SANDY SHALE
160.5	170.5	100	COAL SHALE
170.5	180.5	100	COAL SHALE
180.5	184.5	100	COAL GR. MED. HARD SANDSTONE



TOP OF ROCK 44.0

WATER LEVEL 56.0

CEMENT HOLE 54.0 - 44.0

BOTTOM OF HOLE 184.5

HOLE NO. 6

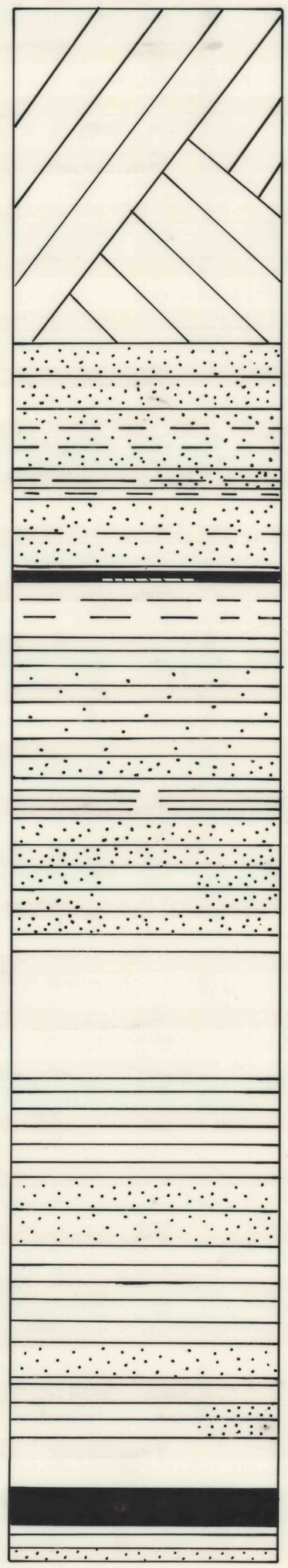
DEPTH DRILLED (COMPLETED) 173.5 LFT.

DEPTH DRILLED (BEGINNING) 0 LFT.

DATE DRILLED: 3 FEBRUARY 1986

SURFACE ELEVATION:

DRILLING RUNS (ft.) FROM	TO	% CORE RECOV.	FIELD CLASSIFICATION OF MATERIALS
0	37.1		OVERBURDEN
37.1	43.6	100	GRAY SANDSTONE
43.6	44.7		BADLY BROKEN GRAY SANDSTONE + SHALE
44.7	51.4	36	BROKEN SHALE & SANDSTONE
51.4	53.6	22	BADLY BROKEN GR. SHALE
53.6	54.8	100	BADLY BROKEN GRAY SANDSTONE
54.8	59.3	94	BROKE SHALE COAL COAL & CLAY
59.3	62.2	93	BADLY BROKEN GRAY SHALE
62.2	67.2	100	GRAY SHALE
67.2	73.6	94	GRAY SANDY SHALE
73.6	78.6	98	GRAY SANDSTONE/ SHALE STKS/VERTICAL BREAKS
78.6	83.6	100	GRAY SANDSTONE W/SHALE
83.6	93.2	98	LOST CORE BARREL IN MINE
93.2	103.2	100	VOID
103.2	119.6		GRAY SHALE
119.6	123.6	93	GRAY SANDSTONE
123.6	133.6	100	GRAY SHALE
133.6	143.6	100	GRAY SANDSTONE SHALE
143.6	153.6	98	GRAY SHALE/SANDSTONE STKS.
153.6	163.6		VOID
163.6	168.6		COAL
168.6	173.5	98	GRAY SHALE GRAY SANDSTONE



HOLE CAVING, REAM CASING TO 70.0

HIT OPENING 14' REAM CASING TO 119.6

LOST CORE BARREL + 2' RUN IN MINE

WATER LOSS 104.4 & 123.0

BOTTOM OF HOLE 173.5