

MINING
SEPT 1993 -
SEPT 1994

MINING
SEPT 1991 -
SEPT 1992

MINING
SEPT 1994
SEPT 1995

PROPOSED POWER BORE HOLE

MINING
SEPT 1992 -
SEPT 1993

N 10,000

P-3 CALVIN G. SHILLING (SURFACE)
C-3 CALVIN G. SHILLING (SUBSURFACE)

P-2 J.E. BROWN, EST. (SURFACE)
C-2 CANNEL COAL CO. (UPPER KITTANNING & CANNEL COAL SEAMS)

NOTES:
1. NO GEOLOGIC FAULTS ARE KNOWN TO EXIST IN THE PERMIT AREA.

METHANE CONTROL PLAN

THE CANNEL NO. 1 MINE IS ABOVE THE WATER TABLE AND NO METHANE WAS EVER DETECTED. THE ABANDONED AREAS ARE VENTILATED BY PAGING MOST OR ALL OF THE RETURN AIR THROUGH THE ABANDONED AREAS AS SHOWN ON THE MAP.

NOTE: BOTH FANS ARE BEING USED SIMULTANEOUSLY
FIXED BLADE POSITION

NOTE: BOTH FANS ARE BEING USED SIMULTANEOUSLY
3 FT. WESTINGHOUSE HULLVENT FAN
20 HP. - 440 VOLTS - 24 AMPS - 1765 R.P.M.
W.G. I.S. BRISTOL RECORDING INSTRUMENT
ONCH4 AT RETURN AT FACE
FIXED BLADE POSITION

AVERAGE ENTRY HEIGHT 7 FEET
AVERAGE ENTRY WIDTH 16 FEET

ABANDONED STRIP MINE OPERATOR UNKNOWN UPPER KITTANNING COAL

LEGEND

- INTAKE AIR
- RETURN AIR
- CHECK CURTAIN
- STOPPING
- STOPPING W/MANDOOOR
- LINE BRATTICE
- PRIMARY ESCAPEWAY
- SECONDARY ESCAPEWAY
- BELT AIR

RECEIVED
JAN 7 1992



Dept. of Environmental Resources
McMurray District Office

William D. Mohney
REGISTERED SURVEYOR

NOTE:
OWNERS OF COAL TO BE
MINED: ISEMAN BROTHERS

REVISION DATES

6-5-91	6-30-87	9-15-88
7-16-91	12-10-87	5-22-89
8-14-91	5-12-88	4-18-90
	1-21-88	3-12-91

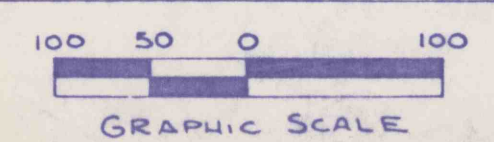
SHEET 1 OF 4

SURVEY DATA

- A - OCT. 20, 1971
- B - NOV. 4, 1974
- C - OCT. 13, 1975
- D - OCT. 5, 1977
- E - APR. 24, 1978
- F - DEC. 8, 1978
- G - APR. 25, 1979
- H - OCT. 23, 1979
- J - APR. 11, 1980
- K - APR. 15, 1980 - MAINS ADVANCED 25'
- L - APR. 20, 1981
- M - OCT. 20, 1981
- N - MAY 3, 1982
- O - AUG. 1, 1984
- P - DEC. 3, 1986 - MAINS ADVANCED 25' FROM STA. 18.19.20
- Q - NOV. 25, 1987
- R - JUNE 2, 1987 - MAINS NOT ADVANCED
- S - JUNE 27, 1988 G.C.
- T - NOV. 18, 1988 - MAINS NOT ADVANCED
- U - MAY 3, 1989
- APRIL 18, 1990

MINE DEVELOPMENT MAP
PROJECT CANNEL MINE NO. 1
CANNEL COAL COMPANY, INC.
RD 1 NEW BETHLEHEM, PA. 16242
MAHONING TWP, ARMSTRONG CO., PA.
LOCATION

DRAWN BY J.T.S. DATE APRIL 1986
SCALE 1 INCH = 100 FEET DRAWING NO.



DMS # 450
MAP # 1

WATER DATA Monitoring Points

Sample No.	Surface Elev.	Location
1B	1180.0	Treated Mine Water
2	1207.5	Old Drift, Discharge
4	1230.0	Seep at Highwall
5	1255.0	Seep in Ditch above Highwall
7	1435.0	Spring
8	1202.0	Runoff from Diversion Ditch
9	1209.0	Seep at Highwall
A	1205.0	Unnamed Trib. to Cathcart, Above Job
B	1205.0	Cathcart Run, Above Job
C	1110.0	Cathcart Run, Below Job