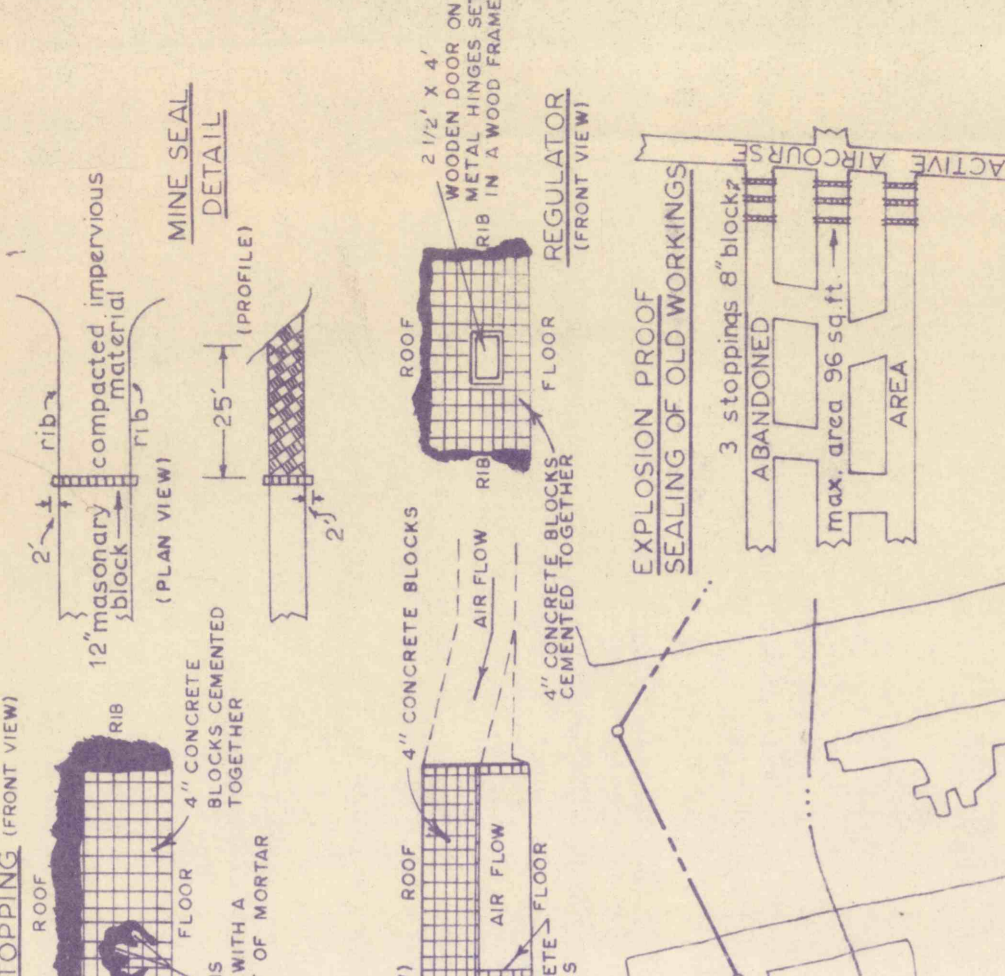


MINE VENTILATION CONSTRUCTIONS



- VENTILATION LEGEND**
- STOPPING
 - + WITH DOOR
 - ESCAPEWAYS
 - INTAKE AIR
 - RETURN AIR
 - OVERCAST
 - VENTILATION READINGS AND FAN DATA
- PROJECTIONS**
- ESCAPEWAYS
 - INTAKE AIR
 - RETURN AIR
 - OVERCAST
 - VENTILATION READINGS AND FAN DATA

DUST CONTROL INFORMATION

ON MINES (2 JEFFERY 100'S - JEFFERY 100 M)
 NAME JEFFERY AERODYNE
 SIZE 75H P. 5FT DUCT @ 4000 CFM
 BLADE 122 RPM 41.5 INCHES @ 32 W.G.
 FAN TYPE 440 V. 100 AMP (A.C.)
 TYPE OF SPRAY - ADJUSTABLE 1/4 HIGH SPRAY NOZZLES
 6.8 M DELIVERED - EACH SPRAY 5.0 G.P.M.
 180/90 HIGH PER SPRAY - SOLIDS 2
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 6.8 M DELIVERED - EACH SPRAY 5.0 G.P.M.
 180/90 HIGH PER SPRAY - SOLIDS 2

BELT ENTRY INFORMATION

SCOTT
 AVERAGE HEIGHT 38'
 AVERAGE WIDTH 20'
 700 CFM VELOCITY 27 FPM
 THESE FIGURES ARE MAINTAINED IN ALL
 BELT ENTRIES

VENTILATION READINGS AND FAN DATA

- (A) FAN TYPE 440 V. 100 AMP (A.C.)
- (B) PORTAL 30,000 CFM
- (C) INTAKE ENTERING L.A. RIGHT BUTT. 22,450 CFM
- (D) AT REGULATOR - RETURN FROM L.A. RIGHT 22,420 CFM
- (E) INTAKE ENTERING 2.2 RIGHT BUTT. 14,000 CFM
- (F) RETURN FROM 2.2 RIGHT 16,000 CFM
- (G) INTAKE ENTERING SOUTH MAINS 26,000 CFM
- (H) RETURN 27,000 CFM
- (I) INTAKE ENTERING 3RD EAST BUTT. 24,000 CFM
- (J) RETURN 24,500 CFM
- (K) BEHIND OVERCAST 34,720 CFM
- (L) INTAKE ENTERING 1ST RT. DE. 3RD EAST 23,300 CFM
- (M) RETURN 22,600 CFM
- (N) 2000 CFM

LINE BRATTICE MAINTAINED 10 FT
 FROM FACES. MIN QUANTITY OF AIR
 REACHING L.A. EAST ONE CROSS-CUT IN
 DEVELOPING ENT. @ 9000 C.F.M.
 REACHING EACH WORKING FACE:
 3000 C.F.M.



Scale 1" = 400'

REVISIONS

DATE

BY

NO. 156-1A

PERMIT NO. 156-1A

CONTEMPLATED MINING TO

SUPPORT AREA

PROTECTED STRUCTURE

MINING COMPLETED

INTAKE AIR

RETURN AIR

SUBSIDENCE LIMIT

OLD SIX FORKMAN MINE BLEEDER INTAKE

PBS COALS, INC.
 SHADE NO. 1 COAL MINE
 UPPER KITTANNING
 SHADE TWP., SOMERSET CO., PENNSYLVANIA

Scale 1" = 400'

FEB 12 1973

34158
 1-14-2000

PERSONNEL CERTIFIED TO CONDUCT VENTILATION EXAMINATIONS

NAME	TITLE
CLAUDE RICE	SUPERINTENDANT
HARRY BARNDT	ASST. FOREMAN
JOSEPH KUBAS	"
JOHN GARY	"
CHARLES DITTA	"

VEGETATION EQUIPMENT USED

SAFETY LAMPS	METANE DETECTORS	NO METHANE DETECTED IN THE RETURN	UNDERGROUND	TOTAL
			45	31

NO OIL OR GAS WELLS KNOWN

VENTILATION INFORMATION

COMPANY NAME: PBS COALS, INC.
 MINE NAME: SHADE NO. 1
 POST OFFICE ADDRESS: RD. 1, CENTRAL CITY, PA.
 COUNTY: SOMERSET COUNTY, PA.
 TELEPHONE NO.: 814-735-4734
 OPERATOR'S NAME: JOSEPH CAOLA - JR. SALES COAL CO.
 OPERATOR'S TITLE: PRESIDENT
 OPERATOR'S ADDRESS: BOX 338, JEROME, PA.
 OPERATOR'S PHONE NO.: 814-474-4827
 LIFE OF MINE IS LESS THAN ONE YEAR
 NUMBER OF EMPLOYEES: 45
 NUMBER OF EMPLOYEES UNDERGOING: 45
 AIR COURSES: TOTAL 31