

87-I-58.
Open End.
Buff Cutovers

Open End Method of Mining
Single Step Fracture Line - Butt Cutovers
Rotating Falls

Scale
100 50 0 100 200
Uniontown Office - Southern Division a.s. Aug. 1932. T.O.G.

Estimated Operating Data and Specifications

Size of block of coal (large)	110' x 46'
Width of flats, butts, chutes and rooms	10'
Width of open end cutovers	18'
Length of cutter bar	9'
Rate of rib extraction on Butt course per shift	11.2'
Angle of rib line with face course	66° 30'
Rib coal that can be undercut	100%
Estimated coal recovery for mineable height	97%
Development	27%
Rib extraction	73%
Total shifts to extract block of coal	30
Block finished every	5 Shifts
Overlap	25 "
Tons produced per butt per shift (including Rooms & chutes)	764
Mining height of coal used	6 1/2 ft.
Recovery on development used	100%
Recovery on rib extraction used	96%

Size of block of coal (small).....	50'x46'
Total shifts to extract block of coal.....	15
Block finished every.....	5 shifts
Overlap.....	10 "

The "key" for starting cutovers is one fall back and one cut back in each following block of coal.