

87-I-5E.
Open End.
Wide Chain
Butt Pillars.

Open End Method of Mining
Single Step Fracture Line - Butt Cutovers
Rotating Falls
for use in
Wide Chain Pillars Between Gobs
Scale

100 50 0 100 200
Uniontown office - Southern Division G.S. Aug. 1932. T.O.G.

ESTIMATED OPERATING DATA AND SPECIFICATIONS

Size of block of coal ---- (large) -----	110'x46'
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 "
Mining height of coal used -----	6½ 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.