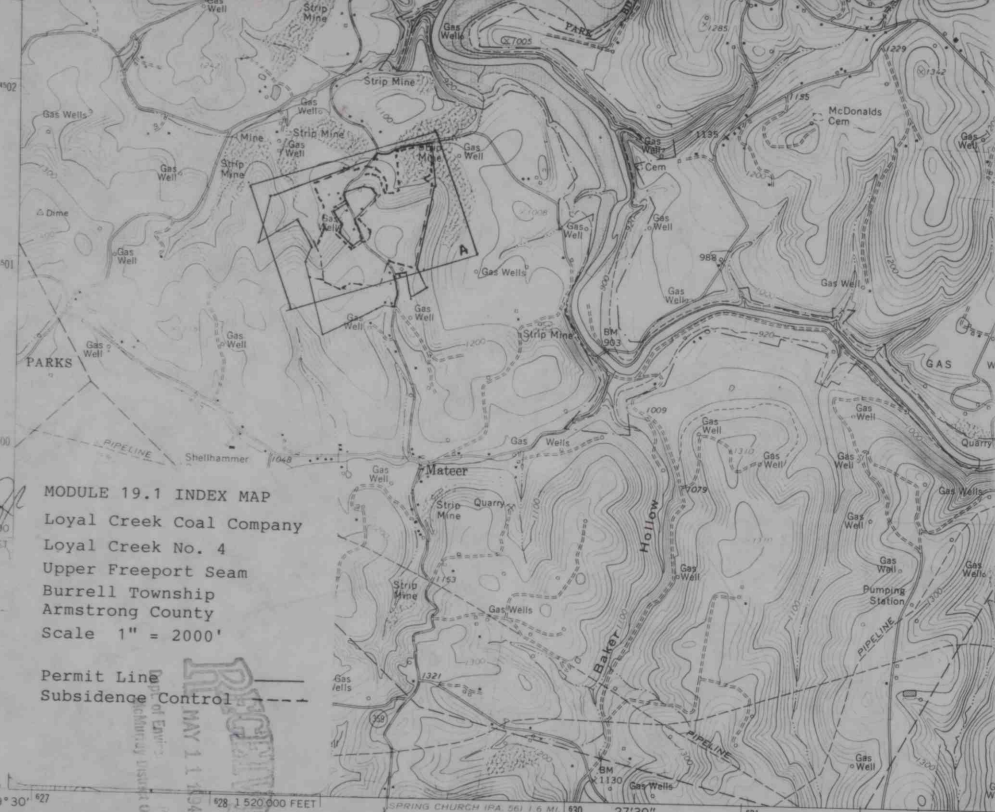


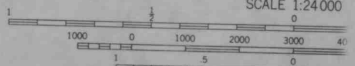
MODULE 19.1 INDEX MAP
 Loyal Creek Coal Company
 Loyal Creek No. 4
 Upper Freeport Seam
 Burrell Township
 Armstrong County
 Scale 1" = 2000'

Permit Line _____
 Subsidence Control - - - - -



40° 37' 30" 79° 30' 52" 1:28 1:520 000 FEET 27° 30" 631

Mapped, edited, and published by the Geological Survey
 Control by USGS and USCGS
 Topography by photogrammetric methods from aerial
 photographs taken 1962 and 1963. Field checked 1964
 Polyconic projection. 1927 North American datum



(LAVONMORE)
 5165 III SW
 SCALE 1:24 000

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