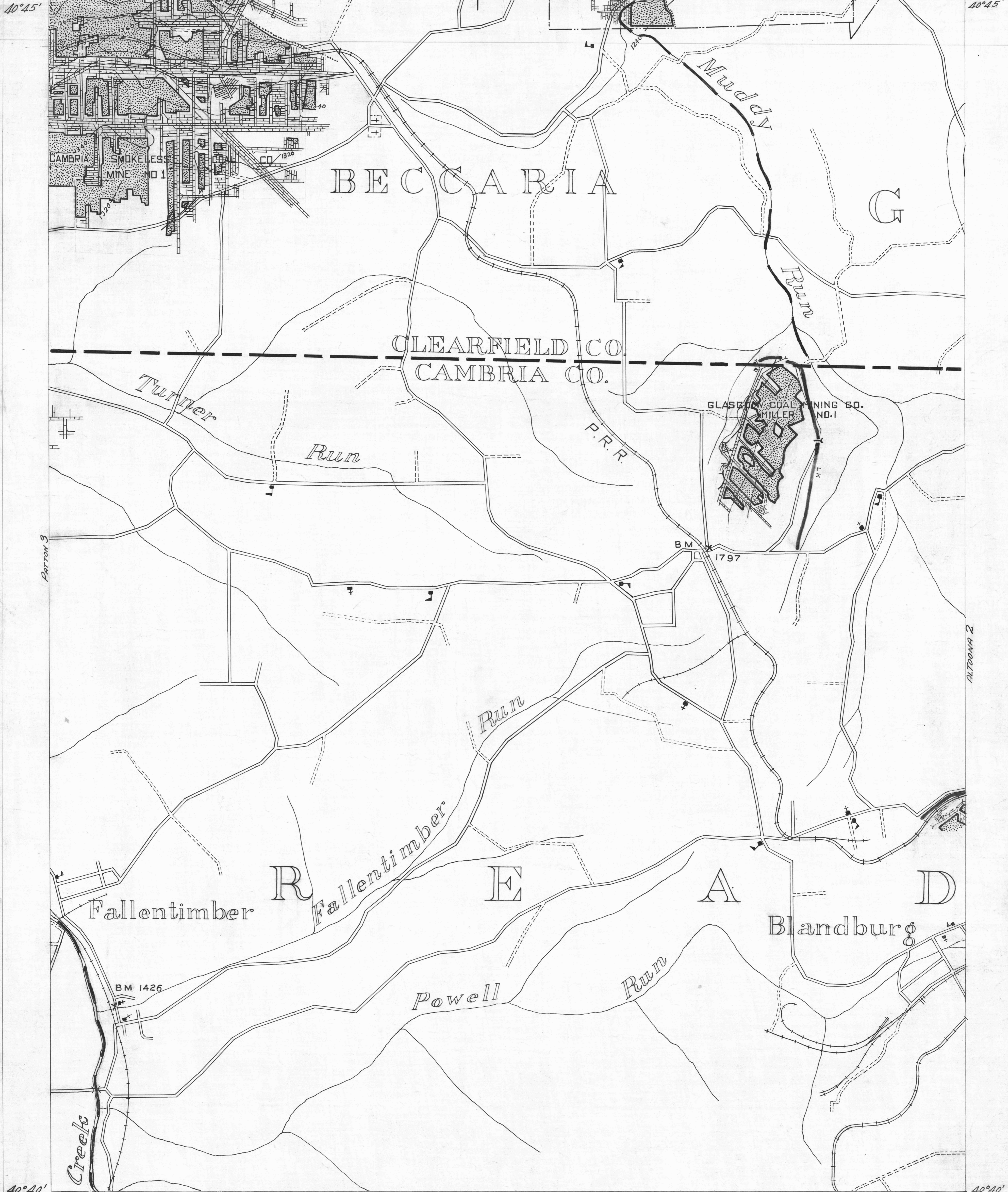


● ACTIVE OIL WELL * ACTIVE OIL & GAS WELL
 ○ ABANDONED OIL WELL * ABANDONED OIL & GAS WELL
 * ACTIVE GAS WELL ◇ DRY HOLE
 * ABANDONED GAS WELL ○ NO RECORD

COUNTY LINES
 TOWNSHIP LINES
 BOROUGH LINES

990 1K COAL CONTOURS
 CRAP LINES-SEAMS BEING MINED
 CRAP LINES-SEAMS NOT BEING MINED



PATTON 9 HOUTZDALE 7 HOUTZDALE 8
 PATTON 3 PATTON 6 ALTOONA 4 ALTOONA 2 ALTOONA 5

40°45' 78°25' 40°40' 78°30'

DRIFT OPENING
 SLOPE OPENING
 SHAFTS
 BARRIER PILLAR

0 1 2 MILES

W.P.A. PROJECT NO. 4483

ALTOONA SHEET No 1
 Lower Kittanning Seam - 1K

ALT-1