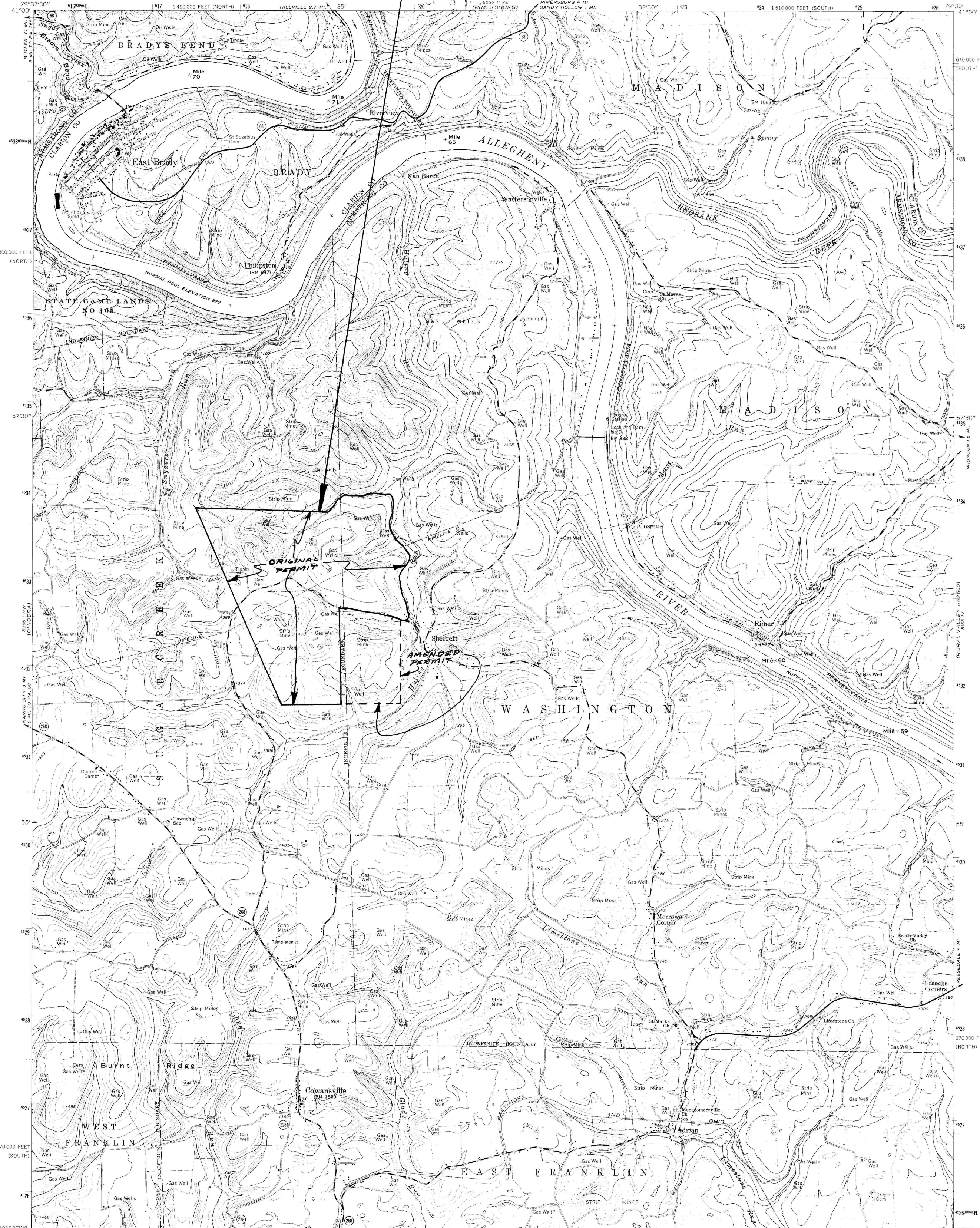


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

AMENDED PERMIT
F. & E. COAL CO., INC.
WASHINGTON TWP., ARMSTRONG CO.
submitted by: J. W. Hubbard, R.P.E.

EAST BRADY QUADRANGLE
PENNSYLVANIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 KITTANNING 15 QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and USCE

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1963

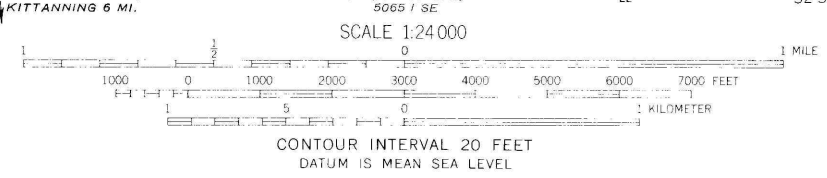
Polyconic projection, 1927 North American datum

10,000-foot grids based on Pennsylvania coordinate system, south and north zones

1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

**WASHINGTON TOWNSHIP
ARMSTRONG COUNTY
PERMIT NUMBER - 217-1-A
"B"-OR LOWER KITTANNING SEAM**



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
○ State Route

EAST BRADY, PA.
NE/4 KITTANNING 15 QUADRANGLE
N4052.5—W7930/7.5

1963

AMS 5065 1 NE—SERIES VBS1