BROOKVILLE 13 MI.
KNOXDALE 7.6 MI.
REYNOLDSVILLE 9 MI.
PANIC (JUNC. PA. 952) 3 MI.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA
REPRESENTED BY THE
DEPARTMENT OF INTERNAL AFFAIRS
TOPOGRAPHIC AND GEOLOGIC SURVEY

DU BOIS 10 MI.
SYKESVILLE 4 MI.
LUTHERSBURG (JUNC. U.S. 219 & 322) 7 MI.
TROUTVILLE 2.7 MI.
2 MI. TO PA. 410

PENNSYLVANIA
PUNXSUTAWNEY QUADRANGLE
15-MINUTE SERIES

669000m.E. 1650000 FEET (NORTH) 1720000 FEET (SOUTH)
4540000m.N.
79°00' 78°45' 41°00'
300000 FEET (NORTH) 600000 FEET (SOUTH)
55' 50'

(Brookville) (Du Bois) (Penfield)

BROOKVILLE (JUNC. U.S. 322) 17 MI.
OLIVEBURG 3.1 MI.

INDIANA 24 MI.
COVODE 2.1 MI.

INDIANA 19 MI.
2.4 MI. TO U.S. 119

MARION CENTER 3 MI.

(Smicksburg)

INDIANA 4 MI.
NEWBURG 5.4 MI.
MAHAFFEY 1 MI.
GRAMPIAN (JUNC. U.S. 322) 11 MI.

(Westover 1:24 000)

(Mahaffey 1:24 000)

(Hastings 1:24 000)

2035000 YARDS
520000 FEET (SOUTH)
40°45'
1185000 YARDS
1660000 FEET (SOUTH)
220000 FEET (NORTH)
4514000m.N.
1720000 FEET (NORTH)
686000m.E.

CHERRY TREE 2 MI.
BARNESBORO 7.4 MI.

PURCHASE LINE 2.6 MI.
INDIANA 19 MI.

(Indiana) (Barnesboro)

M C C A L M O N T
Y O U N G
H E N D E R S O N
B R A D Y
B E L L
G A S K I L L
B E N E
C A N O E
B A N K S
G R A N T
M O N T G O M E R Y
N O R T H M A H O N I N G
S O U T H M A H O N I N G
W H I S K E Y
C O N E M A U G H
S O U T H B E N D

Amity
Crawfordtown
Delaney PO
Adrian
Trout Run Sch
Henderson Sch
Buchheit Sch
Schlimmer Sch
Grube Sch
Harnaory Thomas Sch
Walston
Albion
Bells Sch
Bells Mills
Elk Run Jung
Riker
Foxburg
Big Run
Wainwright Sch
Punxsutawney
(B.M. 1235)
Cloe
Pleasant Grove Ch
Punxsutawney Res.
Clover Run
Snyder Sch
Hoeh Sch
Couch Sch
Winslow
Bowersville
Davis Sch
Newtonburg
Elbell
Rossiter Sta
Hillman
JEFFERSON CO
INDIANA CO
CLEARFIELD CO
McKee Sch
Flora
Pleasantdale Sch
Mt Pleasant Ch
Otterbein Ch
Rossiter
Juneau
Johnsonburg
Union Ch
Sidney
McGees Mills
Keal Run
Lochvale
Roseboro
Canoe Ridge
Gaston Sch
Henry Sch
Locust
Crawford Sch
Fairview Ch
Fairview Sch
Pine Grove Sch
Urey
Mt Airie
Crossroads Sch
Smithport
Enterprise
Rochester Mills
Doty Roundtop
Rowley Sch
Logan
Glen Campbell
Raytown
Cush Creek Sch
Dowler Junc
Eldick Sch
Burnside
Gipsy
Hooverhurst
Rock Run Sch
Nashville
Brinkell Sch
Kinter Hill
Grant Sch
Wilgus
Arcadia
Patchinville
Antioch Ch
Deckers Point
Hartman Sch
East Run
Ruffener Sch
Hillsdale
Bowdertown
Cush Creek

PROPERTY MAP
FRENO COAL COMPANY. No. 3 MINE
2-10-1967 A. K. BLOOM, P.E.

STRIKE N.72°E
PITCH +1° RISE
E OUTCROP
E PROPERTY OUTLINE
No. 3 MINE

SEAL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965

Topography by A.C. Roberts
Surveyed in 1902–1904
Partial revision in 1939 by R.F. Hamke
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

APPROXIMATE MEAN DECLINATION, 1904
TRUE NORTH
MAGNETIC NORTH

SCALE 1:62500

1 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 .5 0 1 2 3 4 5 KILOMETERS

Contour interval 20 feet
Datum is mean sea level

Polyconic projection. North American datum
5000 yard grid based on U. S. zone system, B
10000 foot grids based on Pennsylvania (North) and Pennsylvania (South) rectangular coordinate systems

ROAD CLASSIFICATION
Heavy duty
Medium duty
Light duty
Unimproved dirt
U S Route
State Route

PUNXSUTAWNEY, PA.

N4045—W7845/15
1939

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

GRANT & MONTGOMERY TOWNSHIPS
INDIANA COUNTY
PERMIT NUMBER - 299-1
"E" - OR UPPER FREEPORT SEAM