



EXPLANATION

SEDIMENTARY ROCKS

(Subaqueous deposits shown by parallel lines)

Ccm

Conemaugh formation
(gray shale, sandstone, and clay, including some red shale and thin beds of limestone and coal)

Allegheny formation
(chiefly gray and dark shale with local beds of clay and sandstone and several workable beds of coal; Upper Freeport coal at top; Johnstown limestone member directly underlies the Upper Kittanning coal)

Cpv

Pottsville formation
(heavy-bedded gray sandstone with interbedded shale, clay, and thin beds of coal)

UNCONFORMITY

Cmc

Mauch Chunk shale
(red and green shale with subordinate sandstone and thin lenses of limestone)

Clh

Loyalhanna limestone
(siliceous limestone)

Cpo

Pocono formation
(gray sandstone and sandy shale)

Dck

Catskill formation
(red sandstone and shale)

Dch

Chemung formation
(greenish-gray sandstone and shale)

ECONOMIC AND STRUCTURE DATA

Coal outcrops

uf Upper Freeport coal
uk Upper Kittanning coal and underlying Johnstown limestone member
lk Lower Kittanning coal

Structure contours drawn on horizon of Lower Kittanning coal

(contour interval, 50 feet; datum, mean sea level)

Coal mine shaft

Country coal bank

Sandstone quarry

Strike and dip of stratified rocks

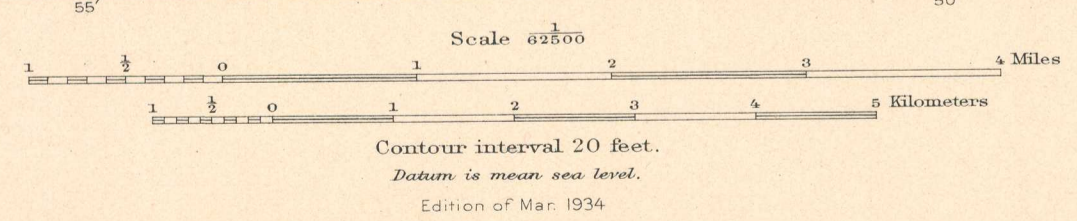
Dry hole, show of gas

LIST OF COAL MINES

Location indicated on the map by numbers

- 1 Eureka No. 42
- 2 Murphy Hill
- 3 Lochrie No. 1
- 4 Heckler-Faust
- 5 Allison
- 6 Eureka No. 41
- 7 Eureka No. 36-B
- 8 Eureka No. 36-C
- 9 Egolf No. 3
- 10 Eureka No. 33
- 11 Eureka No. 34
- 12 Eureka No. 32
- 13 Eureka No. 35-B
- 14 Eureka No. 35-C
- 15 Eureka No. 31
- 16 Windsor Fuel
- 17 Eureka No. 30
- 18 Phillips
- 19 Paint Creek
- 20 Reitz No. 5
- 21 Lehman & Estep
- 22 Cambria No. 1
- 23 Cambria No. 2
- 24 Knickerbocker No. 7-C
- 25 Knickerbocker No. 7-B
- 26 Thermal No. 10
- 27 Thermal No. 9
- 28 Eureka No. 39-B
- 29 Eureka No. 39-C
- 30 Eureka No. 38
- 31 Maple Ridge No. 3
- 32 Maple Ridge No. 2
- 33 Haws No. 2
- 34 Haws No. 3
- 35 Haws No. 1
- 36 Jerome Nos. 1 and 2
- 37 Higdon
- 38 Eash
- 39 Pretoria
- 40 Consolidation No. 116
- 41 Knickerbocker No. 5
- 42 Knickerbocker No. 6
- 43 Standard Quemahoning No. 2
- 44 Standard Quemahoning No. 1
- 45 Randolph
- 46 Somerset Creek Nos. 1 and 2
- 47 Knickerbocker No. 3
- 48 Old Colony
- 49 Knickerbocker No. 2
- 50 Custer
- 51 Knickerbocker No. 1
- 52 Elma No. 1
- 53 Elma No. 2
- 54 Rowena
- 55 Knickerbocker No. 4
- 56 Raiphton No. 15
- 57 Hillcrest
- 58 Raiphton Nos. 8 and 9
- 59 Bowman No. 2
- 60 Roy No. 7
- 61 Bowman No. 1
- 62 Reading No. 3
- 63 Reading No. 4
- 64 Hite No. 1
- 65 Hite No. 2
- 66 Sanner
- 67 Reading No. 2
- 68 Reading No. 1
- 69 Ritter No. 1
- 70 Ritter No. 2
- 71 Madeira
- 72 Boswell
- 73 Big Six
- 74 Stauffer No. 2
- 75 Adams No. 1
- 76 Adams No. 2
- 77 Stauffer No. 3
- 78 Hagevo No. 4
- 79 Hagevo No. 1
- 80 Arrow No. 1
- 81 Huskin No. 1
- 82 Shade Creek No. 3
- 83 Shade Creek No. 1
- 84 Arrow Nos. 5 and 6
- 85 Thermal No. 11
- 86 Loyal Hanna No. 6
- 87 Loyal Hanna No. 7
- 88 Reitz No. 2
- 89 Reitz No. 1
- 90 Inez
- 91 Egolf
- 92 Reitz No. 4
- 93 Reitz No. 3-C
- 94 Reitz No. 3-B
- 95 Reitz No. 7
- 96 Huskin No. 3

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Surveyed in 1913-1914.



Geology by G. B. Richardson.
Surveyed in 1914.

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APPROXIMATE MEAN SEALEVEL

Contour interval 20 feet.
Datum is mean sea level.
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