

# OIL AND GAS

STATE OF PENNSYLVANIA

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(Sewickley)

PENNSYLVANIA  
CARNEGIE QUADRANGLE

U.S. GEOLOGICAL SURVEY  
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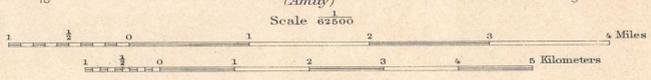
## LEGEND

-  Oil pools in Salt sand
-  Oil pools in Big Injun sand
-  Gas pools in Big Injun sand
-  Oil pools in 100-foot sand (OG, indicates oil and gas)
-  Gas pools in 100-foot sand
-  Oil pools in 30-foot sand (OG, indicates oil and gas)
-  Gas pools in 30-foot sand
-  Oil pools in Gordon and Stray sands
-  Gas pools in Gordon and Stray sands
-  Oil pools in 4th sand
-  Gas pools in 4th sand
-  Oil pools in 5th sand (OG, indicates oil and gas)
-  Gas pools in 5th sand
-  Structure contours on the top of Gordon sand

(Lines show elevations above, a datum plane 2000 feet below sea level, contour interval 20 feet.)

- Oil wells
- \* Gas wells
- Oil and gas wells
- ◆ Show of oil
- ◆ Show of gas
- ◆ Show of oil and gas
- ◇ Dry holes
- ◇ Holes about which nothing is recorded

H.M. Wilson, Geographer,  
Frank Sutton and Robt. D. Cummin, in charge of section,  
Topography by E.B. Clark, J.H. Wheat, A.C. Roberts, and  
E.G. Hamilton, Assistant, J.S.B. Daingerfield,  
and various city, town, and park surveys.  
Control by D.H. Baldwin, Robert Coe and C.A. Clunet.  
River shoreline by U.S. Army Engineers.  
Surveyed in 1902-1904.



Contour interval 20 feet.  
Datum is mean sea level.  
Edition of Dec. 1910.

Geology by M.J. Munn,  
Surveyed in 1908.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

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APPROXIMATE MEAN DECLINATION 1904.