

EXPLANATION

THIS MAP COMPILED BY THE PENNSYLVANIA GEOLOGICAL SURVEY SHOWS LAND SUBDIVISIONS AND ALL WELLS KNOWN TO THE PRESENT OPERATORS TO HAVE BEEN DRILLED FOR OIL OR GAS. THE MAP IS PUBLISHED IN ADVANCE OF A COMPLETE REPORT TO AID IN THE SEARCH FOR NEW POOLS.

ALMOST ALL WELLS IN THE AREA HAVE PENETRATED THE UPPERMOST SANDS, THE CLARION, GLADE, WATSONVILLE, CLARENDON, DEW DROP, KINZUA AND SUGAR RUN. UNDRILLED AREAS OF THE DEEPER SANDS OF COURSE ARE MUCH LARGER THAN THE UNDRILLED AREAS SHOWN, BUT CAN NOT BE OUTLINED UNTIL THE STUDY IS COMPLETE.

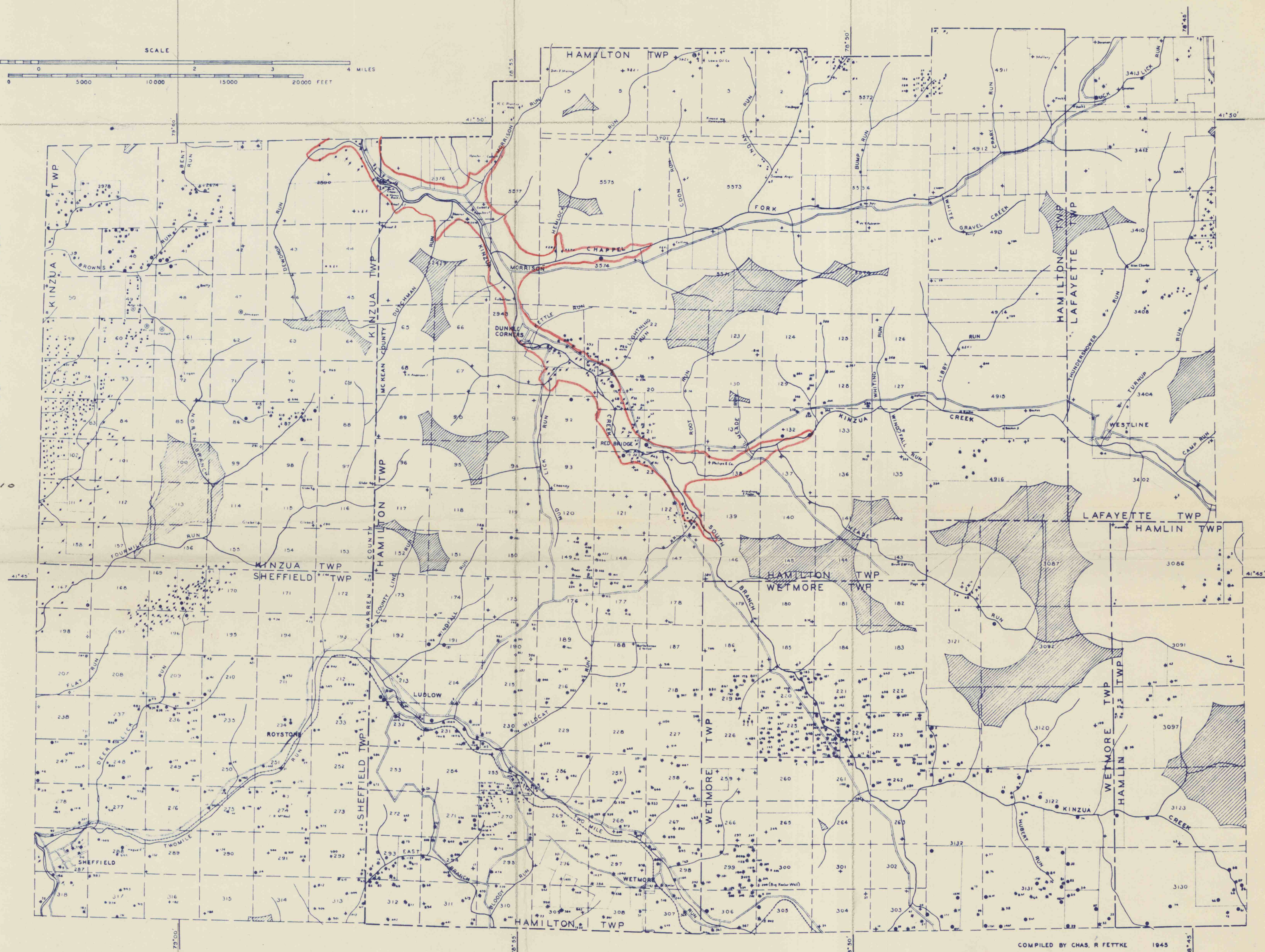
IN OUTLINING THE UNDRILLED AREAS, ONE WELL IS ASSUMED TO TEST ONE SQUARE MILE, EQUAL TO A CIRCLE 2979 FEET IN RADIUS, CENTERED ON THE WELL. THE UNDRILLED AREAS ARE, THEREFORE, MORE THAN 2979 FEET FROM ANY KNOWN WELL.

CULTURE AND STREAMS ARE BASED ON U.S.G.S. TOPOGRAPHIC MAPS. LAND SUBDIVISIONS ARE COMPILED FROM GAS AND OIL COMPANY MAPS AND FROM THE U.S.G.S. MAP OF ALLEGHENY NATIONAL FOREST.

$$R^2 = \frac{27918400}{3.1416} = 8891210$$

$$R = \sqrt{8891210} = 2979$$

High Water Elev. 1365



COMPILED BY CHAS. R. FETKE 1945

UNDRILLED AREAS OF THE SOUTHERN PART OF THE KINZUA AND THE NORTHERN PART OF THE KANE QUADRANGLES

Kinzua Dam - Allegheny Reservoir
Max. Flow line - Elevation 1365 Ft.
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