

I - INTRODUCTION

Wellsville, the headquarters of this twenty-ninth annual meeting of the New York State Geological Association, shares with Bolivar and Olean the privilege of being the oil center of New York State.

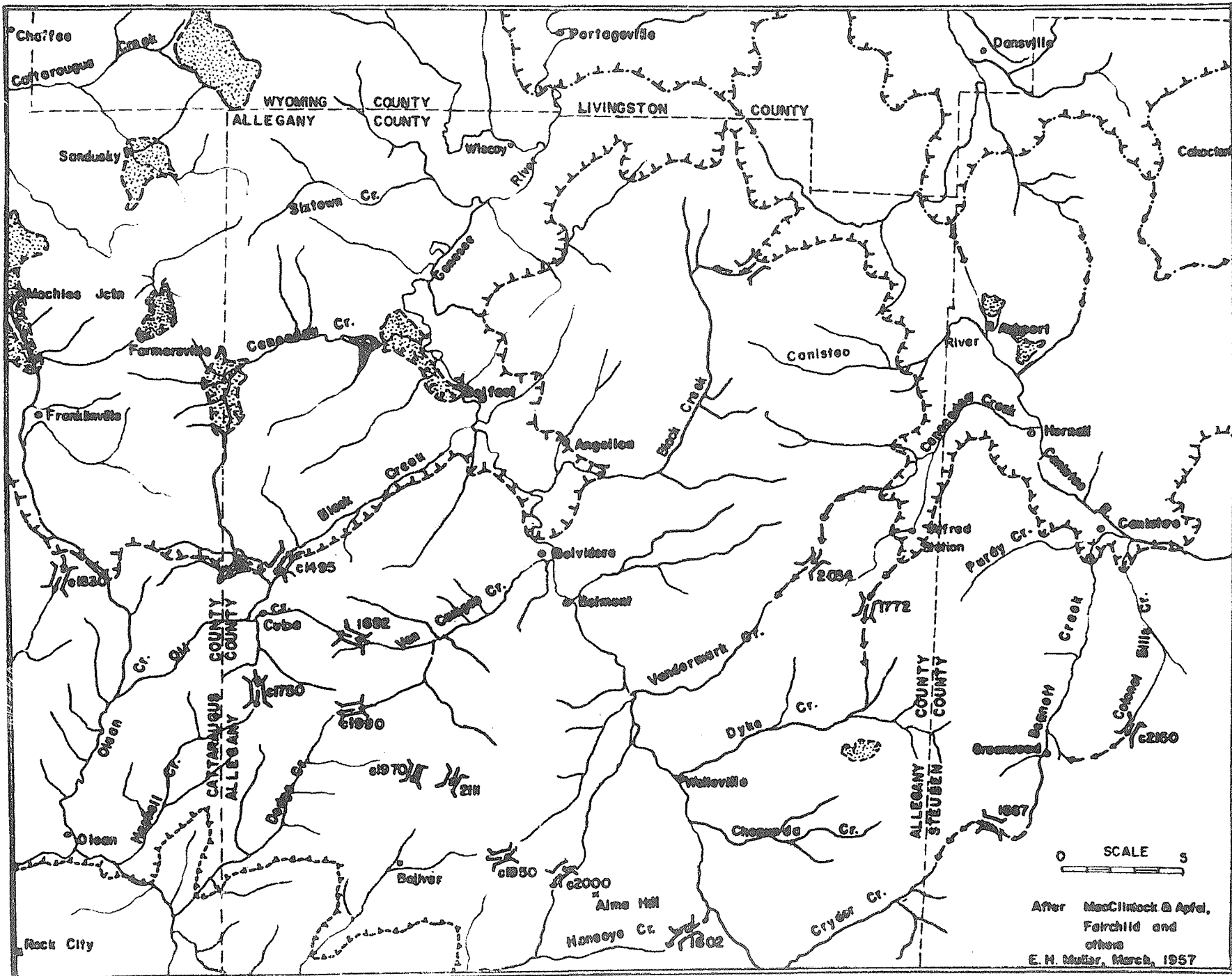
Both Wellsville and Bolivar mark the northern edge of the Allegheny Oil Field, whose various oil pools extend both east and west of these villages and south to the state line and across into Pennsylvania a short distance to Shinglehouse. Associated with these stratigraphic type oil pools are similarly trapped areas of gas production, all found within 300'-500' of vertical section of Upper Devonian strata. In close geographic association are also found several structurally controlled Oriskany sand (Lower Devonian) gas fields.

Olean, about 35 miles west of Wellsville, marks the northeastern edge of the oil production which extends northward into New York State from the huge Bradford Oil Field in Pennsylvania. Here we also find numerous oil pools producing from stratigraphic traps in approximately the same 500' section of Upper Devonian strata.

The geology of this area has been closely linked with this oil and gas production and consequently most of the total geologic study time spent in the area has heretofore been confined to the subsurface structure and correlation of these oil and gas producing horizons in the never-ending search for more oil or gas. Within the last 15 years more study has been devoted by various geologists to the more complete understanding of the stratigraphic complexities of the Upper Devonian surface outcrops.

To these and to the methods and processes of oil and gas production and refining this meeting is completely dedicated.

GLACIAL FEATURES OF ALLEGANY COUNTY AND VICINITY



After MacClintock & Apfel,
Fairchild and
others
E. H. Muller, March, 1957

HYPOTHETICAL DRIFT BORDERS VALLEY MARGINAL BRIGHANTON OLEAN MELTWATER CHANNEL AREAS OF STAGNANT ICE DEPOSITS