

## DEVONIAN FORMATIONS IN NEW MEXICO

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Until 1941 it has generally been considered that only one Devonian formation was present in the state of New Mexico. The writer during the past five years has definitely established the occurrence of three Devonian formations, one of middle and two of upper Devonian age. There is a possibility of an existing fourth Devonian formation, but sufficient evidence for establishing this conclusion has not yet been obtained. The Canutillo formation, limited to the Franklin Mountains, Texas, does not extend into New Mexico. This formation has been designated by other workers as being middle Devonian in age and shows no relationship to middle Devonian sediments in New Mexico. The Sly Gap formation crops out in the Sierra Caballo, San

Andres, and Sacramento mountains. The Sly Gap is tentatively correlated with the Hackberry of Iowa, with some affinities with the Snyder Creek formation of Missouri, and bears definite relationship to the Martin limestone of Arizona, and the Devils Gate formation of Nevada. Overlying the Sly Gap formation is the Percha shale, which has long been established as being correlative with the Ouray limestone in Colorado and in Arizona. This formation crops out only in the southwestern portion of New Mexico, west of the Rio Grande, whereas the Canutillo formation and the Sly Gap are found only east of the Rio Grande. There is no known section in which the actual stratigraphic relationship of the Sly Gap and the Percha shale is shown.

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