



THE UNION VALLEY SANDSTONE MEMBER OF THE WAPANUCKA LIMESTONE

R. V. Hollingsworth
University of Oklahoma

(Abstract)

The Union Valley sandstone member of the Wapanucka limestone is of interest and importance as it is productive of oil and gas in many of the pools in east-central Oklahoma. It has been known by the various oil pool names of "Cromwell," "Lyons-Quinn" and "Papoose." Stratigraphically in the middle of the Wapanucka, its surface exposures are limited to three small areas, but its subsurface distribution is extensive. At the principal outcrop, on the Lawrence uplift in Pontotoc County, Oklahoma, it consists of approximately 240 feet of sandstones of various brown and tan shades, grading into 4 to 6 feet of impure, arenaceous limestone above. The megascopic fauna of the sands is entirely molluscan while that of the arenaceous

limestone is anthozoan and molluscoidean as well as molluscan. The microscopic fauna is closely allied to that of the Wapanucka limestone proper. It is Bendian in age.

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