

The Hogshooter Formation in Creek County, Oklahoma

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The Hogshooter formation, of recent Oklahoma Geological Survey usage (1, 2), is shown on the Geologic Map of Oklahoma, 1954(4), as the Hogshooter limestone, from the Kansas-Oklahoma line to a point west of Okemah, in Okfuskee County, substantially as shown on the earlier Geologic Map of Oklahoma, 1926(3). At the time copy was completed for the 1954 map, the earlier mapping of the Hogshooter had been re-examined and slightly revised by the writer as far south as the north boundary of Creek County (1, 2), and limy sandstone shown on the earlier map as Hogshooter in Okfuskee County, had been mapped in more detail by Ries (5). The writer did a one-day reconnaissance check of the earlier mapping of the Hogshooter across Creek County, and concluded that it was substantially correct. The urgency of other work precluded a more detailed study of the Hogshooter outcrop in Creek County at that time.

The writer spent the field season of 1954 doing detailed geologic mapping in Creek County and is still of the opinion that the earlier mapping of the hogshooter in that county is substantially correct. Limestone representative of the Hogshooter formation does not crop out continuously across the county and probably is not continuous underground. However, two sets of sandstone beds, one known to be a short distance above the Hogshooter formation and the other a short distance below it, have been mapped across Creek County and identified with sandstone beds above and below the Hogshooter of Okfuskee County. Thus it seems fairly certain that exposures of lenticular, sandy limestone in the shale between these two sets of sandstone beds in Creek County occupy the approximate stratigraphic position of the Hogshooter formation, and are to be correlated with the Hogshooter of Okfuskee County.

LITERATURE CITED

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