T11S82

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Aylward (Winkler and Koch), No. 1 McAllister
NE SE 9-12S-13W

15-167-06203

Elevation 1770 feet

Cable Tool Well

Pennsylvanian
Base Kansas City 3295 feet
Pennsylvanian basal conglomerate top 3393 feet

3393-3425 feet	Red and some various-colored, very sandy clay. Red stained chert. Much loose sand. (Rare Arbuckle oolitic chert is present in this interval.)
3425-3487 feet	Purple, red, light gray and various-colored, waxy clay shale, part silty.
3487-3530 feet	Light gray, purple, red, and some various-colored hard brittle clay.

The clay of this interval is of a type commonly called flint clay. Commercial clays of very similar appearance and comparable thickness are usually found in sinkholes. Consequently such clays are thought to be peculiar to sinkhole development. In this case it appears that a sink has been formed in the Galena.

Ordovician top 3530 feet — Subsea -1760 feet
Trenton (Galena) top 3530 feet — Subsea -1760 feet

3530-3560 feet	Chert, white to orange, rough, weathered and rotten to smooth, flinty, opaque. Much clay as above, thought mainly to be caving, but part may have infiltrated into the residual chert.
3560-3567 feet	Chert, as above, and some brown, granular to finely crystalline dolomite.
3567-3568 feet	TD. No sample.

Arbuckle top estimated at 3700 feet — Subsea -1930 feet

This estimated top is based on a compromise between the thick overall Galena--Decorah-Platteville interval in 16-12S-13W, and the much thinner interval in 32-11S-14W, together with the indicated sinkhole development in the Galena of this test, which should make the top of the Galena stratigraphically lower than the well in 16-12S-13W. The estimate probably errs on the side of being too low.