

R. A. Carmody

November, 1941

F. C. Hall, No. 1 Mather  
C WL SW NW 7-25S-12W

Elevation 1911 feet

Rotary

Pennsylvanian

Base Kansas City 3895 feet

Pennsylvanian basal conglomerate top 3940 feet

3940-3955 feet Dark red chert.

Mississippian top 3955 feet

Subsea -2044 feet

Osage ?

3955-3970 feet Milky-white and light gray opaque chert,  
fossiliferous (crinoids).

Fern Glen or Chouteau

3970-3980 feet Limestone, buff to gray, finely granular to  
cryptocrystalline. Some white to cream, flinty  
chert. Some dark green and red mottled waxy  
clay shale.

3980-3990 feet Chert, as above, and some limestone, as above.

Kinderhook shale

3990-4010 feet Bright green and some red waxy shale. Some  
fine sandstone, with calcareous cement.

Ordovician top 4010 feet (corrected slightly for lag) Subsea -2099 feet

Trenton (Viola) top 4010 feet

4010-4020 feet Chert, milky-white, fresh, flinty.

4020-4040 feet Chert, as above, and some white to pale pink  
coarsely crystalline limestone.

4040-4085 feet Chert, as above, and white to cream siliceous  
limestone and calcareous chert.

4085-4090 feet White to pale pink, coarsely crystalline lime-  
stone.

Simpson top 4090 feet (corrected 5 feet for lag) Subsea -2179 feet

4090-4135 feet Medium angular to rounded sandstone, part with  
8 calcareous cement. Some bright green laminated  
shale. Phosphate nodules.

4135-4150 feet Green shale and sandstone, as above, and white  
and silvery gray medium crystalline sandy dolo-  
mite.

4150-4158 feet Green shale and sandstone.

Arbuckle top 4158 feet (from 1½-hour circulating sample at 4159 feet)

Subsea -2247 feet

4158-4173 feet TD. Dolomite, cream to pink, medium and coarsely  
crystalline. Some oolitic chert.