

**Stop 5**  
**Rod Club Sandstone Member of the Springer Formation**  
**(Caddo Anticline Section)**

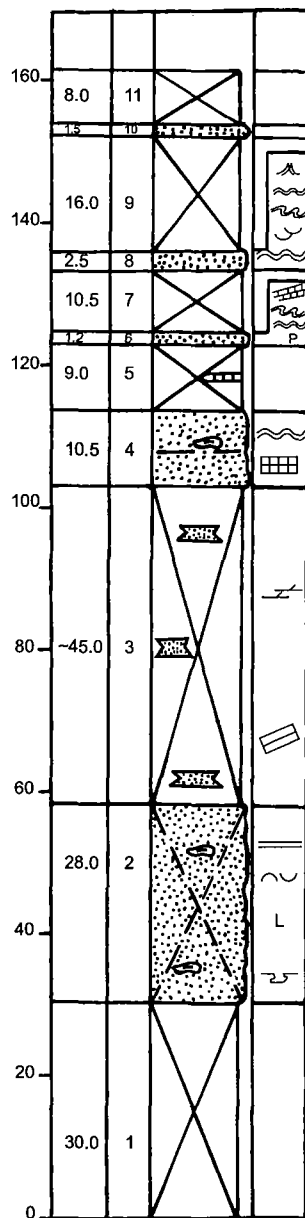


Figure 23. Graphic columnar section of rocks exposed on the southwest flank of the Caddo anticline at Stop 5. Explanation of symbols in Appendix 1.

and not well exposed. However, it is sufficiently resistant to form the top of the ridge. It appears to have textural and physical characteristics similar to those of the upper beds that crop out downslope. The much thicker nature of the lower sandstone unit may indicate that it is part of a lobe of a highly channelized suprafan. The presence of imprints of fossilized wood fragments in the sandstone in Unit 3 (Fig. 26) indicates that deposition took place near land, possibly near a significant shelf slope.

**MEASURED SECTION, STOP 5**

**Rod Club Sandstone Member**  
**of the Springer Formation**  
**(Caddo Anticline Section)**

NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 16, T. 3 S., R. 1 E., Carter County (Springer 7.5' quadrangle). Measured by LeRoy A. Hemish along the wooded ridge east of the road. Beds strike N. 55° W. and are vertical.

*Thickness  
(feet)*

**SPRINGER FORMATION**

**ROD CLUB MEMBER**

11. Covered .....	8.0
10. Sandstone, grayish red (5R4/2), very fine grained, well sorted, subrounded, ferruginous, thin- to medium-bedded, poorly exposed .....	1.5
9. Covered .....	16.0
8. Sandstone, grayish red (5R4/2) to dark yellowish orange (10YR6/6), very fine grained, well sorted, subrounded, quartzose, ferruginous, moderately friable, thin- to medium-bedded, some crinkled bedding; soft-sediment deformation features abundant, including dewatering structures; iron oxides outline internal, upward-curved laminae 2–3 in. long; probably scour-and-fill features; upper and lower contacts sharp .....	2.5
7. Covered interval .....	10.0
6. Sandstone, description similar to unit 7, but thinner bedded with abundant low-angle cross-laminations, ferruginous, pitted .....	1.2
5. Covered interval, with rare 1-in.-thick, moderately friable sandstone beds exposed .....	9.0
4. Sandstone, grayish red (5R4/2), to dark yellowish orange (10YR6/6), very fine grained, quartzose, well sorted, subrounded; very thin to thin, parallel-, wavy-bedded, ferruginous; forms 11-ft-high "wall" in places along outcrop; moderately friable; differential weathering of iron oxide-cemented features causes knobby, ridgy, and boxwork structures to stand out; some shale near middle of unit .....	10.5
3. Covered interval with sandstone float coming from a medium-bedded, ferruginous sandstone with iron oxide-cemented, low-angle, cross-lamination features; some small imprints of wood fragments noted; rare exposures of sandstone in places; to top of ridge .....	~45.0
2. Ridge top with weathered dark yellowish orange (10YR6/6) to moderate yellowish brown (10YR 5/4), broken and weathered, very fine grained sandstone littering the outcrop; curved laminations common; load casts and ironstone concretions observed; some Liesegang banding; float appears to be derived from a thin-, parallel-, plane-bedded, moderately friable sandstone bed about 25–30 ft thick .....	~28.0
1. Covered .....	30.0
<b>Total</b>	<b>~161.7</b>