



Figure 24. Tabular sandstone beds of the Rod Club Sandstone Member of the Springer Formation (Unit 4, Fig. 23) exposed on the Caddo anticline at Stop 5. The beds strike N. 50° W., and are vertical. The top surface of the beds is to the left in the photograph. The highest point on the outcrop is ~11 ft above ground level.

A surface GR profile of the Rod Club interval on the Caddo anticline here at Stop 5 shows similarities to the subsurface GR log (Fig. 27) for the Samson Resources No. 1 Patzkowsky well, which is 1.5 mi due east of this stop. In about the 100–160-ft interval, the surface GR profile shows that the relatively thin upper sandstone units are tabular in nature and have sharp upper and lower contacts with shale. The GR well log shows these same characteristics for sandstone in the Samson well. The spiky GR well log responses in about the 2,900–2,990-ft interval are interpreted as relatively thin sandstone units that have sharp bedding contacts with interbedded shale. Lower on the GR well log for the Samson well (about 2,990–3,090 ft), there are responses interpreted as a thicker sandstone sequence that correlates to the 30–80-ft sandstone interval on the surface GR profile. The lower sandstone unit exposed at the surface is interpreted to be the lobe of a

highly channelized suprafan; the lower Rod Club unit in the Samson well may be such a lobe also.

Cuttings from the Beach & Talbot No. 1 Pruitt BB well (located ~3 mi southeast of Stop 5) (Appendix 2; map inside front cover) show that a 140-ft-thick interval consisting mostly of shales with 20–40% thin sandstones and siltstones comprise the Rod Club Member, suggesting a distal relationship from the suprafan facies described at Stop 5. In the Goldsmith & Perkins No. 1 Herman Smith well (located <2 mi southeast of Stop 5) (Appendix 3; map inside front cover), the Rod Club Member is 250 ft thick and has characteristics similar to the outcrops at Stop 5.



Figure 25. One of several thin, tabular beds of the Rod Club Sandstone Member of the Springer Formation (Unit 6, Fig. 23) exposed on the southwest flank of the Caddo anticline at Stop 5. The attitude of the bed is the same as that of Unit 4 (Figs. 23, 24). The top of the bed is to the left in the photograph.