August 13, 1939

Left camp near Watrous where we moved from Sprayee last night because the mosquitoes bothered Sprayee so much. Mileage 162.5.

Descend the Moca and Sapells Pines at their juncture just a few hundred yards south of Watrous. The Sapells is the smaller of the two although just above the town of Watrous it is much wider than the Moca. Its water is clear white with a sluggish to strongly current. The bottom is rubble and silt. Vegetation, Characeae and Potamogeton is moderately thick in some of the pools. Except for one large pool (undated earth dam?) just west of the highway, most of the pools are 15 to 20 feet wide and the large pool is about 75 feet wide and 100 feet long. The depth in the pools reaches about 4 feet; in the ripples it varies from one to five inches. Camptoana anomala are especially abundant in this creek. Many were thrown back.

The Moca is a muddy river with a muddy bottom and no vegetation. The bottom is largely rubble with some silt. The
August 13, 1889

Width is usually between 20 and 30 feet. The depth in the riffles reaches about nine inches, that in the pools, 3 1/2 feet. A. 83 W 63, Moon; 6 1/2 miles.

Drove west to storage.

Drove the Ocate Creek where the road crosses.

This is a stream with large pools, 25 to 100 feet long and 15 to 20 feet wide and small

riffles three feet wide and one inch deep. The riffles three feet wide and one inch deep. The current is moderate to strong. The bottom is mostly silt and gravel.

A. 85 W 62.7 12:35 PM.

Picked up four red lines left here yesterday in the Cimarron River at storage. They were empty. Amalucat, cumulation was raying.