



wells in the Shivharts area are reported to be from 10.5 to 300 ft deep, and water levels range from 10 to 256 ft below the land surface. Several wells in the Shivharts area are reported to be in the Shivharts Limestone. The yields generally are less than 10 gal/min, although larger yields might be obtained in places. A well that penetrates the Kaibab Limestone in sec. 3, T. 36 N., R. 10 W., is reported to yield 45 gal/min with 8 ft of water. Other wells in the Shivharts area are reported to yield 10 gal/min in sec. 27, T. 33 N., R. 12 W., and from one spring in sec. 26, T. 35 N., R. 12 W. The well obtains its water from the alluvium, and the spring obtains its water from the Shivharts Limestone. The dissolved-solids concentration is 1,100 mg/l in water from the well and 537 mg/l in water from the spring. In the well contains a sulfate concentration of 510 mg/l, which is in excess of the recommended limit of 250 mg/l in drinking water (National Academy of Sciences, National Academy of Engineering, 1973, p. 89). The chloride concentrations in the water from the well and spring are 0.4 and 0.3 mg/l, respectively.