



## Thermomineral water of Ljenobud (Srebrenik Municipality)

Thermal water in the area of Srebrenik Municipality is found on well BD-1 in settlement Ljenobud only. The well was drilled in limestones along the entire depth; it is assumed that limestones are of Miocene and Paleocene-Eocene age (Miošić et al., 2010). Depth of well is 255 m.

Thermal water is characterized by low mineralization – 549 mg/l (EC=520  $\mu\text{S}/\text{cm}$ ) and Fe enrichment ( $\text{Fe}^{3+}=6$  mg/l);  $\text{H}_2\text{S}$  gas is also present. Temperature of water is 26 - 28°C (Butorac and Žugić, 1988).

The aquifer has great water-bearing properties - 23 l/s (Stanković and Plavkić, 1990).

### See also

Photos of geomanifestations on the territory of Srebrenik Municipality where exist  $\text{CO}_2$  rich mineral waters ([Kiseljak Srebrenik](#) and [Kiseljak Zahirovići](#)).

### Generalities

Before of construction of well did not exist thermal spring(s) in the wider area of Ljenobud.

### Anomalies

Irregular geothermal gradient - convective heat flow.

### Data

FZZG_factsheetLjenobud	Well depth (m)	Temperature of water (°C)	$Q_{\text{pump}}$ (l/s)	Ec ( $\mu\text{S}/\text{cm}$ )	Specific component	Aquifer
Well Ljenobud BD-1	255	26-28	23	520	Fe and $\text{H}_2\text{S}$	Limestones (Pc, E and M)

### References

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Stanković J., Plavkić J., 1990: Basic hydrogeological map, Brčko sheet 1:100 000 – Report on the performed works in frame of research phase III, Geoinstitut Ilidža, Ilidža.

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