

# Semi Annual Methane Test Results

Conducted September 2021

WELL	RESULT
1	0.0890 mg/L
3	0.0241 mg/L
4	0.0895 mg/L

## Methane Test Parameters:

Federal and state drinking-water quality standards do not establish limits for methane in water wells. However, given the hazardous nature of methane in water wells, the U.S. Department of the Interior, Office of Surface Mining (Eltschlager and others, 2001) recommends the following:

- Owners of wells with dissolved methane concentrations greater than **28 mg/L** should immediately contact Illinois State Water Survey to obtain assistance and guidance in venting the wellhead and for other possible remediation alternatives.

- Owners of wells with methane concentrations greater than **10 mg/L** but less than **28 mg/L** may also wish to contact Illinois State Water Survey for further assistance and consider removing potential ignition sources from the immediate area.

- Methane concentrations less than **10 mg/L** require no action, other than periodic monitoring to see if methane concentrations are changing