

§ 147.2852 **Aquifer exemptions.** [Reserved]**Subpart GGG—Osage Mineral Reserve—Class II Wells**

AUTHORITY: Safe Drinking Water Act, 42 U.S.C. 300h.

SOURCE: 49 FR 45309, Nov. 15, 1984, unless otherwise noted.

**§ 147.2901 Applicability and scope.**

This subpart sets forth the rules and permitting requirements for the Osage Mineral Reserve, Osage County, Oklahoma, Underground Injection Control Program. The regulations apply to owners and operators of Class II injection wells located on the Reserve, and to EPA.

**§ 147.2902 Definitions.**

Most of the following terms are defined in §144.3, and have simply been reproduced here for the convenience of the reader. This section also includes definitions of some terms unique to the Osage program. Terms used in this subpart are defined as follows:

*Administrator*—the Administrator of the United States Environmental Protection Agency, or an authorized representative.

*Aquifer*—a geologic formation, group of formations, or part of a formation that is capable of yielding a significant amount of water to a well or spring.

*BIA*—The “Bureau of Indian Affairs,” United States Department of Interior.

*Casing*—a pipe or tubing of varying diameter and weight, lowered into a borehole during or after drilling in order to support the sides of the hole and, thus, prevent the walls from caving, to prevent loss of drilling mud into porous ground, or to prevent water, gas, or other fluid from entering the hole.

*Cementing*—the operation whereby a cement slurry is pumped into a drilled hole and/or forced behind the casing.

*Class II Wells*—wells which inject fluids:

(a) Which are brought to the surface in connection with conventional oil or natural gas production and may be commingled with waste waters from gas plants which are an integral part of

production operations, unless those waters would be classified as a hazardous waste at the time of injection;

(b) For enhanced recovery of oil or natural gas; and

(c) For storage of hydrocarbons which are liquid at standard temperature and pressure.

*Existing Class II Wells*—wells that were authorized by BIA and constructed and completed before the effective date of this program.

*New Class II Wells*—wells constructed or converted after the effective date of this program, or which are under construction on the effective date of this program.

*Confining bed*—a body of impermeable or distinctly less permeable material stratigraphically adjacent to one or more aquifers.

*Confining zone*—a geologic formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone.

*Contaminant*—any physical, chemical, biological, or radiological substance or matter in water.

*Disposal well*—a well used for the disposal of waste into a subsurface stratum.

*EPA*—The United States Environmental Protection Agency.

*Fault*—a surface or zone of rock fracture along which there has been displacement.

*Fluid*—material or substance which moves or flows whether in a semisolid, liquid, sludge, gas or any other form or state.

*Formation*—a body of rock characterized by a degree of lithologic homogeneity which is prevailing, but not necessarily, tabular and is mappable on the earth's surface or traceable in the subsurface.

*Freshwater*—“Underground source of drinking water.”

*Ground water*—water below the land surface in a zone of saturation.

*Injection well*—a well into which fluids are being injected.

*Injection zone*—a geological formation, group of formations, or part of a formation receiving fluids through a well.

*Lithology*—the description of rocks on the basis of their physical and chemical characteristics.