

Kansas Administrative Regulations

Kansas Corporation Commission

Article 3.—Production and Conservation of Oil and Gas

82-3-401. Application for injection well; content.

(a) Application form; content. The original and two copies of each application shall be signed and verified by the operator, and filed with the conservation division on a form approved by the commission, and shall provide the following information:

(1) The name, location, surface elevation, total depth, and plug-back depth of each injection well;

(2) a plat showing the location of all oil and gas wells, including producing wells, abandoned wells, drilling wells and dry holes within a ½-mile radius of the injection well, and indicating producing formations and the subsea top of the producing formations;

(3) the name and address of each operator of a producing or drilling well within a ½-mile radius of the injection well;

(4) the name, description, and depth of each injection interval. The application shall indicate whether the injection is through perforations, an open hole, or both;

(5) the depths of the tops and bottoms of all casing and cement used or to be used in the injection or disposal well;

(6) the size of the casing and tubing and the depth of the tubing packer;

(7) an electric log run to the surface or a log showing lithology or porosity of geological formations encountered in the injection well, including an elevation reference. If such a log is unavailable, an electric log to surface or a log showing lithology or porosity of geological formations encountered in wells located within a one-mile radius of the subject well;

(8) a description of the fluid to be injected, the source of injected fluid, and the estimated maximum injection pressure and average daily rate of injection in barrels per day;

(9) an affidavit that notice has been provided in accordance with K.A.R. 82-3-402;

(10) information showing that injection into the proposed zone will be contained within the zone and will not initiate fractures through the overlying strata that could enable the fluid or formation fluid to enter fresh and usable water strata. Fracture gradients shall be computed and furnished to the conservation division by the applicant, if requested by the conservation division;

(11) the applicant's license number;

(12) any other information that the conservation division requires; and

(13) payment of the application fee required by K.A.R. 82-3-412.

(b) Applications for dually completed wells. In addition to the requirements set out in subsection (a), applications for dually completed injection and production wells shall show that the producing interval lies above the injection interval. Before a well is dually completed, the applicant shall demonstrate that the well has mechanical integrity as specified in K.A.R. 82-3-407 from a point immediately above the producing interval to the surface.

(c) Applications for simultaneous injection wells. In addition to the requirements set out in subsection (a), applications for simultaneous injection wells shall demonstrate all of the following:

(1) The injection will not adversely affect offsetting production or endanger fresh and usable groundwater.

(2) Injection pressure is limited to less than the local injection formation fracture gradient.

(3) The injection well is continuously cemented across the injection and producing intervals.

(4) The well demonstrates mechanical integrity as specified in K.A.R. 82-3-407.

(d) Disposal zone. If the application is for disposal into a producing zone within a ½-mile radius of the applicant's well, the disposal zone shall be below the oil-water contact or 50 feet below the base of the producing zone. For the purposes of this subsection, "disposal zone" means the stratigraphic interval that contains few or no commercially productive hydrocarbons and that is saltwater bearing, and "producing zone" means the stratigraphic interval that contains, or appears to contain, a common accumulation of commercially productive hydrocarbons.

(e) Design approval. Each applicant desiring design approval shall place the words "design approval" at the top of the application for injection operations. The design approval application shall be subject to the requirements set forth in subsection (a) of this regulation, K.A.R. 82-3-402(a), and K.A.R. 82-3-403(a).

(f) Well modifications. Significant modifications to the type or construction of the injection well shall not require an application, but shall require notice as specified in K.A.R. 82-3-408. However, if the modifications include an increase in injection rate or pressure or an additional perforation or injection zone, neither of which is expressly authorized by the existing permit, an application for injection shall be filed.

(g) Multiple enhanced recovery wells. Applications may be filed for more than one enhanced recovery well on the same lease or on more than one lease. The applicant shall provide the requested information for each well included in the application.

(Authorized by K.S.A. 55-901, as amended by L. 2001, ch. 5, sec. 198, 55-151, and 55-152; implementing K.S.A. 55-151, 55-901, as amended by L. 2001, ch. 5, sec. 198, and 55-1003; effective, T-83-44, Dec. 8, 1982; effective May 1, 1983; amended May 1, 1984; amended, T-85-51, Dec. 19, 1984; amended May 1, 1985; amended May 1, 1986; amended, T-87-46, Dec. 19, 1986; amended May 1, 1987; amended May 1, 1988; amended May 8, 1989; amended April 23, 1990; amended May 3, 1993; amended April 5, 2002.)

***** Authenticated Kansas Administrative Regulation *****