

Kansas Administrative Regulations

Kansas Corporation Commission

Article 3.—Production and Conservation of Oil and Gas

82-3-406. Injection well tubing and packer requirements.

(a) Each well permitted after December 8, 1982 shall meet one of the following requirements:

(1) The well shall be equipped to inject through tubing below a packer.

(2) A packer run on the tubing shall be set in casing opposite a cemented interval at a point immediately above the uppermost perforation or open-hole interval. The annulus between the tubing and the casing shall be filled with a corrosion-inhibiting fluid or hydrocarbon liquid.

(3) With the prior approval of the conservation division, packerless or tubingless completions may be authorized under the provisions of subsection (b) or (c) of this regulation.

(b) Injection through tubing without a packer may be authorized by the conservation division if the following requirements are met:

(1) Surface wellhead injection pressure shall not exceed zero psig.

(2) The tubing shall be run to a depth equal to or below the uppermost perforation or open hole of the injection interval.

(3) The annular space between the tubing and the casing shall be filled with a corrosion-inhibiting fluid or hydrocarbon liquid that has a specific gravity less than 1.00 and that is displaced and maintained at a point within 50 feet of the bottom of the tubing.

(4) Each wellhead shall be equipped with a pressure observation valve on the tubing and the tubing-casing annulus.

(5) A positive annulus pressure shall be maintained and monitored.

(6) Annulus pressure and injection surface pressure shall be monitored and recorded monthly and kept by the operator for five years.

(7) All pressure readings recorded shall be taken during actual injection operations and under static conditions.

(c) Injection without tubing may be authorized by the conservation division if all five of the following requirements are continuously met during the life of the well:

(1) The casing shall be cemented continuously from setting depth to surface.

(2) Surface wellhead injection pressure shall be recorded monthly and kept by the operator for five years.

(3) All pressure readings recorded shall be taken during actual injection operations.

(4) Mechanical integrity tests shall be performed at least every five years by running a retrievable plug to a depth of no more than 50 feet above the uppermost perforation or open hole of the injection zone or by another method approved by the conservation division.

(5) It shall be the sole responsibility of the operator of the tubingless completion to maintain the well so that the mechanical integrity tests can be performed as specified, or the well shall be immediately plugged and abandoned by displacing cement from the bottom of the well to the surface.

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

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