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Injection into each of the 15 newly authorized water injection wells shall be through 2-inch internally plastic-coated tubing which shall be set in a packer. Packers, in the case of wells which have casing set in the Lower Grayburg or Upper San Andres formation, shall be set within 100 feet of the uppermost perforation in the Premier zone. In the case of wells with open-hole completions above the Lower Grayburg formation (Lanning State Well No. 1 and State 647 Well No. 38), formation packers shall be set as near as practicable above the top of the Premier zone of the Grayburg formation. The casing-tubing annulus in each well not having open perforations above the packer shall be loaded with an inert fluid and shall be left open at the surface or equipped with a pressure gauge to determine the presence of leaks in the packer or in the tubing. Those wells equipped with formation packers shall have radioactive or other acceptable injectivity profiles run on them at the time of commencement of water injection and also at the time of apparent reservoir fill-up, to ensure that injected water is not breaking through around or behind the formation packer. Wells demonstrating such break-through shall have liners run and cemented or other approved remedial action taken.

Order #
P-3311

