

## عنوان مقاله:

The Simulation Study Of Pressure And Temperature Effects On Scale Formation In One Of Iranian Oil Reservoir  
During Water Injection

## محل انتشار:

سومین همایش ملی فن آوری های نوین شیمی و مهندسی شیمی (سال: 1393)

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## خلاصه مقاله:

Scale deposition is one of the most important and serious problems which water injectionsystems are generally engaged in Scale sometimes limits or blocks oil and gas production by plugging the oil-producing formation matrix or fractures and perforated intervals. Scale also deposited in down-hole pumps, tubing, casing flow-lines, heater treaters, tanks and other production equipment and facilities. Scale can occur at /or downstream of any point in the production system, at which super-saturation is generated. Super-saturation can be generated in single water by changing the pressure and temperature conditions or by mixing two incompatible waters. This paper describes overview formation damage, scale formation along the injection water path in water-food operations, scaling problems encountered in oil fields, oilfield Scale types and investigations of pressure and temperature variations effects on scale deposition during water injection in Gachsaran oil field (Iran) are presented. The results are shown that scale formation, it most depend on temperature however pressure variations effect haven't any considerable effect on this process

## کلمات کلیدی:

formation damage, scale deposition mechanisms, water injection, solubility of scale

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/283464>

