عنوان مقاله:
superposition method used for treating oilfield interference in Iranian water - Drive Reservoir

محل انتشار:
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خلاصه مقاله:
With the increasing difficulty of discovering new Iranian oil reserves, attention is necessarily focused on the efficient development and production of existing reservoirs.One of Iranain fields (field A) with about 28KMs length and 4 KMs width was exploring in 1963 with drilling well No.1.The asmari raservoirs consist of a mixture of high permeability sands and carbonate section in elongated structure. It confirmed the oil potential for the asmari reservoirs.However, in field A before any reservoir oil production occured in 1974, the reservoir pressure was observed to drop.This phenomenon has been investigated to determine if asmari comunication exists between B and A oil fields. In 1973, field B asmari oil production reached a peak of around 1.1 MMBOD, and the apparent field A asmari reservoir pressure drop was circa 100 psi. A practical analytical method has been used in this paper which provides the practicing reservoir engineer with a handly method for analyzing oilfield interference problems. Attempt has been made to apply this method on these actual fields. It is concluded that aquifer of field A has strong communication with field B.

کلمات کلیدی:
superposition, fields, production, Interference, Asmari