

عنوان مقاله:

Optimizing artificial lift Selection in one of Iranian fields- a Case Study

محل انتشار:

سومین همایش بین المللی نفت، گاز، پتروشیمی و HSE (سال: 1397)

تعداد صفحات اصل مقاله: 5

نویسنده:

Hamzeh Shamouni Saya,ee

خلاصه مقاله:

Artificial lift is a method used to lower bottomhole pressure (BHP) on the formation to reach a higher production rate from the well. Oil reservoirs will finally not be able to produce fluids at economical rates unless natural driving mechanisms (e.g., aquifer and/or gas cap or pressure maintenance mechanisms) are present to maintain reservoir energy. Lift processes lower the fluid density in wellbore and accordingly decrease the hydrostatic Pressure against the formation. Main methods of artificial Lift are Gas Lift (GL) design and pumping fluid. Major reservoirs in the field under study have static pressure under bubble point pressure and also low initial pressures so it is predicted most oil wells need artificial lift at some point in the life of the field, and in many gas wells used artificial lift to take liquids off the formation so gas can flow at a higher rate. The propose of this research is selecting the best artificial lift method in one of the Iranian field. We consider well completion profile and rock and fluid properties and used Pipesim to simulating the field. Eventualy we simulated the field and find out that the best artificial lift method in this field is ESP lift. Also ESP is an efficient and reliable artificial-lift method for lifting moderate to high volumes of fluids from .wellbores

کلمات کلیدی:

Artificial lift , Gas lift, Esp lift , Optimization

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/858688>

