Seyed Sina Kazemi, Int J Earth Sci Geol. 2019
DOI: http://dx.doi.org/10.18689/2642-1569.a2.006

An Investigation of the Effect of "KH" Difference between Layers on the Results of Well Test Analysis in Gas Condensate Reservoirs

Seyed Sina Kazemi
Tehran University, Iran

The existence of differences in petro physical properties between layers of a gas reservoir leads to an error in the estimation of reservoir efficiency when interpreting the results of well testing. Well-boring operations are among of that, while being cost-effective, can be achieved with significant design savings in overall cost of operation, therefore, with regard to the limitation of the number and timing of well-drilling operations, the use of models simulated and research on their results is very practical and cost effective. In the last decade, researchers have been researching how to extend the results of a model simulated to the real model of the reservoir by researchers and software companies. This paper attempted to use Eclipse software using the data from one of the Gulf fields in the Persian Gulf and simulate a section of this field and has an improved design for estimating reservoir utilization and eventually by providing realistic results and comparisons with actual conditions, as far as operational conditions allow.

Keywords: Simulation; Well-Test; Multi-Layered Reservoirs; Gas-Condensate Reservoirs

Biography

Seyed Sina Kazemi was born on Aug-1989 in Tehran, Iran. He pursued Master of petroleum engineering from Science research branch of Tehran University, Tehran, Iran. He is working as Night drilling supervisor at PGFK.Co on offshore drilling rigs. He has experience at "south pars gas field" as a Well-site drilling engineer and well testing and completion engineer. His ultimate research aim is to culminate Gas-Condensate production by minimizing and rectify errors whlie estimation and this paper was published by an international energy journal.