

## عنوان مقاله:

A Model to Analyze continuous gas lift performance for Optimum Oil Recovery

## محل انتشار:

چهارمین همایش ملی دانشجویی مهندسی نفت (سال: 1384)

تعداد صفحات اصل مقاله: 18

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## خلاصه مقاله:

A simulation with a compositional model improves the accuracy of predicting the Aghajari gas lift wells performance when compared with black oil models. The injection gas source for Aghajari oil field gas lift is supplied from an other field (marun oil field injection gas source )therefore injection gas for Aghajari oil field gas lift that is drier and has lower molecular weight than the ultimate tank gas and it will result in inconsistencies for black oil models. Blaken into account. Especially the simulation of injection gases that are drier than the ultimate tank gas will result in inconsistencies. Gas lift system is analyzed by use of black oil model and Compositional modeling (Peng Robinson Equation of state for rigorous thermodynamical and physical properties evaluation) combined with multiphase flow correlations. From actual pressure and temperature surveys and simulation results, gas lift performance curves are constructed for the well in different separator pressure. When gas lift is to be used, it is even more important from a production standpoint that the separator be operated at the lowest practical pressure. In order to evaluate the Aghajari's gas lift performance some key parameters in gas lift are compared with each other in black oil and compositional models and with practical data. The gas lift analysis shows that A considerable gain in accuracy of calculation results could be obtained from implementing the compositional model in analysis of gas lift system instead .of black oil model

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/240614>

