

## عنوان مقاله:

Negative Flash Calculation Algorithms for Minimum Miscibility Pressure

## محل انتشار:

کنفرانس بین المللی مهندسی و علوم کاربردی (سال: 1394)

تعداد صفحات اصل مقاله: 8

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## خلاصه مقاله:

We introduce a generalization of the negative-flash calculation for computing the equilibrium for components in reservoir condition. We first describe simple usual algorithm for calculation of Minimum Miscibility Pressure based on tie line approach. For this approach an example will be presented and initial and injection tie line will be plotted. Then we introduce different methods for negative flash calculation. By investigation of nonlinearity of our function we compare Rachford-Rice problem using Newton-Raphson method with bisection method. Improved negative flash calculation is presented and the effect of constant initial guess and updated initial guess using previous iteration will be compared.

## کلمات کلیدی:

Phase behavior, Negative flash, Tie line, Enhanced Oil Recovery, Minimum Miscibility Pressure

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/482995>

