PROCEEDINGS, INDONESIAN PETROLEUM ASSOCIATION
Twenty-Sixth Annual Convention, May 1998

EFFECTS OF WELLBORE STABILITY ON SAND PRODUCTION

Ariffin Samsuri*
Surej Kumar Subbiah*

ABSTRACT

This poster describes a series of laboratory experiments to observe the effects of wellbore stability on sand production. Wellbore stability is a very important aspect that should be considered during production activity. The poster will present the effect of wellbore stability due to the wellbore design at the production zone for a perforated and cased wellbore. A physical wellbore model has been designed where different borehole angles and perforation parameters (shot density and perforation pattern) have been imposed. Generally, all sand models failed and sand particles were produced. It was found that stable, perforated wellbores produce fewer sand particles.

* University Technology Malaysia