

Poster No. 3

IPA95 - 1.1 - 081

PROCEEDINGS INDONESIAN PETROLEUM ASSOCIATION
Twenty Fourth Annual Convention, October 1995

**MAXIMUM PRINCIPAL STRESS OF EAST CIMANDIRI FAULT, BANDUNG AREA, WEST JAVA,
INDONESIA**

Afiat Anugrahadi*

ABSTRACT

Signs of the Cimandiri Fault are difficult to see clearly in the field. It is theorized that its movement characteristics differ from one place to another.

Recognition of the East Cimandiri Fault zone based on Landsat and SPOT images reveal linements of the fault from Pelabuhan Ratu that parallel the Cimandiri River and then proceeds in a northeast direction.

The fault population analysis method and vertical dihedron method were used to determine the maximum principal stress based on measurement of fault plane data and striations. These data were processed by computer with the results presented in rose diagrams and stereographic projections.

Supplemental data on the interpretation of maximum principal stress is still needed. This will consist of field data (stylolite direction) and seismic data for analysis of the focal mechanism.

Geological structure analysis results lead to the conclusion that the maximum principal stress direction affecting the East Cimandiri Fault in Bandung, West Java, is north-south.

* Trisakti University