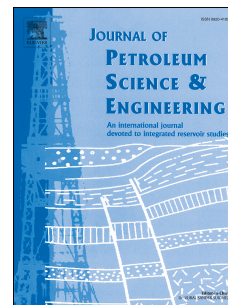


Accepted Manuscript

A study of the effect of brittleness on hydraulic fracture complexity using a flow-coupled discrete element method

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PII: S0920-4105(16)30447-8

DOI: [10.1016/j.petrol.2017.10.064](https://doi.org/10.1016/j.petrol.2017.10.064)

Reference: PETROL 4388

To appear in: *Journal of Petroleum Science and Engineering*

Received Date: 30 September 2016

Revised Date: 28 April 2017

Accepted Date: 24 October 2017

Please cite this article as: Shimizu, H., Ito, T., Tamagawa, T., Tezuka, K., A study of the effect of brittleness on hydraulic fracture complexity using a flow-coupled discrete element method, *Journal of Petroleum Science and Engineering* (2017), doi: 10.1016/j.petrol.2017.10.064.

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1 Submitted to *Journal of Petroleum Science and Engineering*

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