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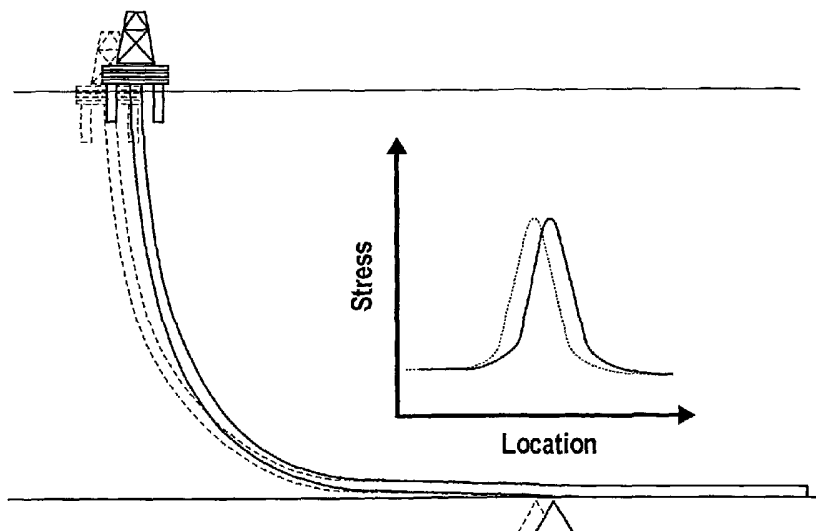
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(54) Title: METHOD FOR MEASURING FLUID CHEMISTRY IN DRILLING AND PRODUCTION OPERATIONS



(57) Abstract: Disclosed is a method for chemical analysis of drilling-, drill-in-, completion-, formation-, and production fluids, which may be employed at rig site or in a remote location, comprising: a) collecting samples of fluids from predetermined fluid collection points where the drilling-, drill-in-, completion-, formation-, or production fluid are flowing or stored; b) introducing said samples into a microfluidic system for chemical measurement, optionally operably connected to a computing device; c) executing one or more selected tests on said microfluidic device; d) Providing a means of detecting results of the tests and generating data; e) translating said data to provide results of said analytical test; and f) monitoring said results to adjust selected aspects of the drilling, completion, and production operations.

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 6 033 628 A (BEK FRITZ ET AL) 7 March 2000 (2000-03-07) column 1, line 29 - line 56 column 6, line 35 - line 67 column 12, line 35 - line 42 column 12, line 57 - column 14, line 8; figures column 18, line 18 - line 44 column 22, line 25 - line 35; figure 15	1-8, 11

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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