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(54) **METHOD AND APPARATUS FOR WELLBORE FLUID TREATMENT**

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See application file for complete search history.

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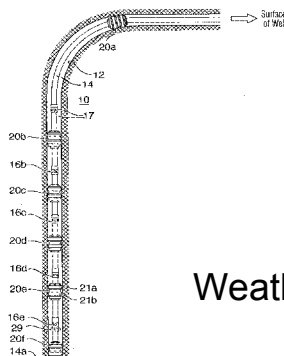
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(57) **ABSTRACT**

A method for fracturing a hydrocarbon-containing formation includes running a tubing string into an open hole and uncased, non-vertical section of the wellbore, and expanding first, second, and third solid body packers until each sets and seals against the wellbore wall. The method also includes applying a first pressure within the tubing string inner bore such that the hydraulically actuated sliding sleeve moves from a closed port position to an open port position without engaging any fluid conveyed sealing device. The method also includes conveying a sealing device through the tubing string, passing through a first sliding sleeve and landing in and sealing against a second sliding sleeve's seat moving the second sliding sleeve to an open port position permitting fluid flow through a second port. And the method includes pumping fracturing fluid through the second port and into an annular wellbore segment to fracture the hydrocarbon-containing formation.

9 Claims, 9 Drawing Sheets



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Exhibit 1044

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- 12/966,849, filed on Dec. 13, 2010, now Pat. No. 8,397,820, which is a continuation of application No. 12/471,174, filed on May 22, 2009, now Pat. No. 7,861,774, which is a continuation of application No. 11/550,863, filed on Oct. 19, 2006, now Pat. No. 7,543,634, which is a continuation of application No. 11/104,467, filed on Apr. 13, 2005, now Pat. No. 7,134,505, which is a division of application No. 10/299,004, filed on Nov. 19, 2002, now Pat. No. 6,907,936.
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238th District Court, Midland, Texas, Case No. CV44964, Exhibit 6, Deposition of Daniel Jon Themig, Calgary, Alberta, Canada, dated Jan. 17, 2006, parts 1 and 2 total for a total of 82 pages with redactions from p. 336, Line 10 through all of p. 337.

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