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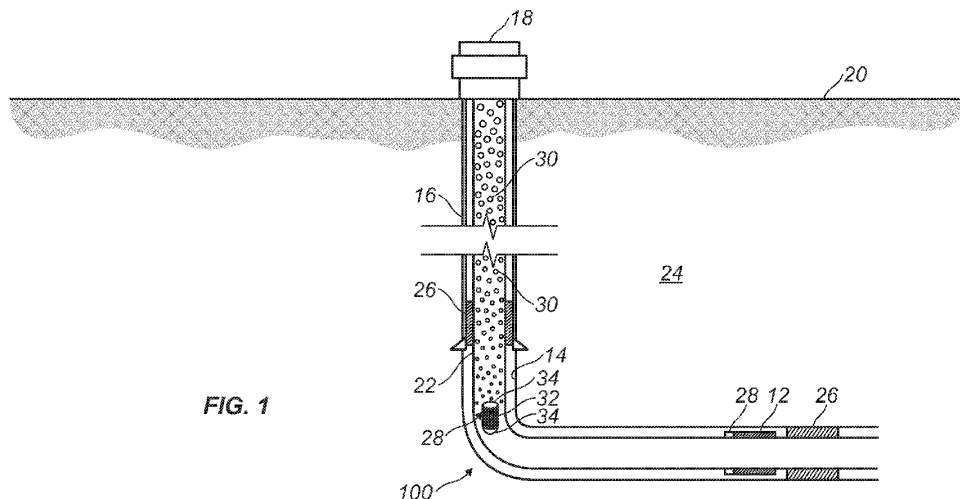
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(54) Title: GENERATED HYDROGEN GAS LIFT SYSTEM



(57) Abstract: A variety of systems, methods and compositions are disclosed, including, in one method, a method for producing a subterranean formation, the method comprising: introducing a reactive material into a wellbore penetrating the subterranean formation; hydrolyzing the reactive material with an aqueous-based wellbore fluid to produce hydrogen gas; reducing a bulk density of the aqueous based wellbore fluid; producing the wellbore. A system for producing a wellbore, the system comprising: an oilfield tubular disposed in a producing wellbore; a fluid column comprising an aqueous based wellbore fluid within the oilfield tubular, wherein the fluid column comprises a hydrostatic head greater than a pore pressure of the wellbore; and a solid reactive material capable of chemically reacting with the aqueous-based wellbore fluid thereby reducing the hydrostatic head.

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