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(54) Title: DISPERSING SEPARATED HYDROCARBON GAS INTO SEPARATED OIL DURING SURFACE WELL TESTING FOR IMPROVED OIL MOBILITY

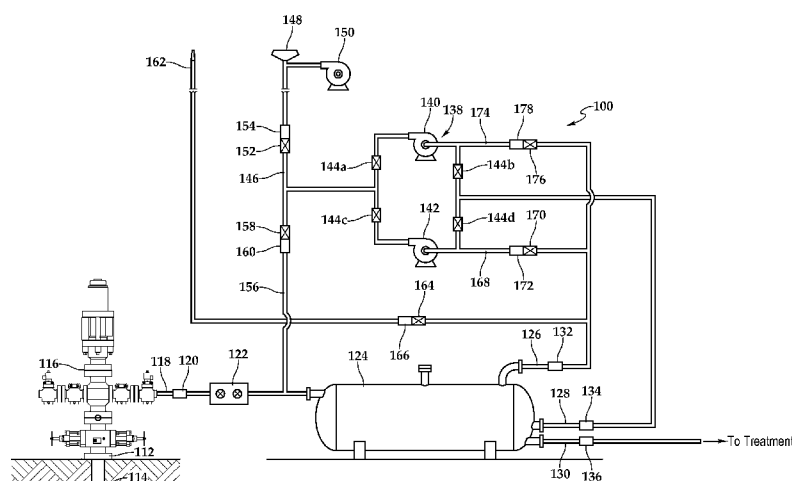


Fig.1

(57) Abstract: A surface well testing facility for dispersing separated hydrocarbon gas into separated oil from a multiphase well fluid for improved oil mobility and combustion efficiency. A multiphase fluid is produced from a well. The gas constituent and the oil constituent are separated from the multiphase fluid, the oil constituent having an undesirable viscosity. Both the gas constituent and the oil constituent are measured. Thereafter, at least a first portion of the gas constituent is injected into the oil constituent. The first portion of the gas constituent is mixed with the oil constituent such that the first portion of the gas constituent is dispersed into the oil constituent to form an oil/gas mixture having a viscosity that is lower than the undesirable viscosity of the oil constituent and a BTU content higher than the oil constituent.