



Lightning Ventures Inc.
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Lightning Ventures to Patent System and Method for Chemical Injection and Gas Well Optimization System

VANCOUVER, CANADA, June 12, 2018 – Lightning Ventures Inc. (CSE: LVI) (the “**Company**” or “**Lightning**”) is pleased to announce that the Company has engaged the law firm of Propiedad Inteligente S.C. to apply for a patent in Mexico for the Lightning Chemical Injection System. Lightning developed this product to optimize gas well production and to address complications that exist with current technologies.

Typically, when a gas well is first completed the reservoir provides sufficient gas velocity and pressure to lift water, hydrocarbons, and production gas from the well bore. Over time formation pressure and velocity decrease, resulting in the accumulation of liquid in the production column that, in turn, further reduces pressure. Once bottom well pressure equals the reservoir, shut-in pressure production ceases. A standard method of treating aging wells is through the introduction of surfactants, which act as condensate foamers and friction reducers. Surfactants reduce the density and surface tension of the fluid column. This, in combination with the agitation of gas flowing through the liquid creates a foaming action that lowers the hydrostatic head on the formation and increases the flow rate. This allows the well to unload resulting in a higher rate of production.

Most current technologies utilize solid chemical sticks that have a tendency to dissolve in high heat and humid conditions. The breakdown of the stick composition can clog dispensing units preventing application of chemicals into the well bore. The Lightning Chemical Injection System dispenses liquid surfactants using proprietary technology and software. In operation, solar powered pneumatic pumps and electric valves are controlled by the Lightning Ventures analysis and reporting system. This system will be trademarked as the Lightning Omega. The Omega system allows for the creation of well specific databases and remote monitoring using Global Star low orbit satellites and modems. Omega control software can be tailored to accommodate individual clients with specific algorithms for well analysis and optimization.

Don Rainwater, CEO, commented: “A Mexico patent not only further establishes the uniqueness of our system but is required to protect our intellectual property. Additional patents are anticipated in each country of operation.”

About the Company

Lightning Ventures Inc. is an oil and gas industrial services company engaged in the manufacture and sale of products intended to enhance efficiency and increase the production of oil and gas wells.

Further information about Lightning Ventures is available under its profile on the SEDAR website www.sedar.com.

For further information on the Company, please contact:

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