

US Seismic Systems Receives Order for Custom Downhole Seismic Arrays

Chatsworth, CA. (July 6, 2011) US Seismic Systems (USSI), a subsidiary company of Acorn Energy, Inc. (NASDAQ: ACFN) announced today that it has received an order for custom down hole seismic systems based upon its revolutionary fiber optic sensor technology from a leading international oilfield seismic equipment company. The value of this contract to USSI once in full production is anticipated to be approximately \$6 million annually. This is the third significant order received by USSI from a major oilfield equipment company in 2011.

Jim Andersen, CEO of USSI said, “ This order, which is for high temperature, permanent downhole systems, addresses the growing need for high resolution seismic systems designed to facilitate enhancing the recovery from mature, declining oilfields. We continue to have meaningful negotiations for the integration of our seismic systems in the solutions of a number of innovative players in the oilfield business”

According to US Department of Energy estimates, enhanced recovery techniques could eventually add as much as 430 billion new barrels to the recoverable oil resources of the United States.

US Seismic is holding an investor day on July 12, 2011 from 11-5 at its new facility in Chatsworth, CA. Please contact Shae Begolly at 302-656-1707 to register.

About US Seismic Systems Inc.

US Seismic Systems Inc. (“USSI”), formerly US Sensor Systems Inc., designs, integrates, manufactures, and sells fiber optic sensing systems and solutions for the Energy and Defense markets. USSI utilizes all-optical fiber sensing technology for its state-of-the-art sensors. USSI’s proprietary optical fiber and electronics combine to form the sensor system. It is designed to replace the legacy electronic-based sensor systems at a lower cost and with improved performance and reliability. USSI’s new fiber optic geophone was recently awarded the coveted 2010 Oil & Gas Industry Innovation of the Year Award by Frost & Sullivan, the world leader in technology, market, customer, and economic research. For more information visit the USSI website at: www.usseismic.com.

About Acorn Energy, Inc.

Acorn Energy, Inc. is a holding company focused on technology driven solutions for energy infrastructure asset management. Our four businesses in which we have controlling interests, improve the world's energy infrastructure by making it cleaner and less expensive to operate air pollution systems for coal and gas-fired power plants (CoaLogix), more secure by providing security solutions for underwater energy infrastructure (DSIT), more reliable by providing condition monitoring instruments for critical assets on the electric grid (GridSense) and more productive and efficient by increasing oil and gas production while lowering costs through use of

ultra-high sensitive seismic tools for more precise pinpointing of oil and gas reservoirs (USSI). For more information visit www.acornenergy.com.

Safe Harbor Statement

This press release includes forward-looking statements, which are subject to risks and uncertainties. There is no assurance that CoaLogix, DSIT, US Sensor Systems or GridSense will continue to grow their respective businesses. A complete discussion of the risks and uncertainties which may affect Acorn Energy's business generally is included in "Risk Factors" in the Company's most recent Annual Report on Form 10-K as filed by the Company with the Securities and Exchange Commission.

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