



How long does it take?

Placing the receivers takes a matter of minutes and then they're in place for a few weeks as the technology allows the data to be quickly and discreetly gathered.

How will it impact me?

The receivers used to collect data are about the size of a soda can and the vibrations created are minimal.

Typically, receivers are placed along fences or sidewalks and do not affect normal day-to-day activities, like playing catch in the yard or mowing the lawn.

Seismic testing allows us to plan more economically viable wells.

Who We Are

Seismic Acquisition Services

SAS is a local geophysical firm that provides seismic data acquisition services for oil and gas exploration.

Crestone Peak Resources

Crestone is a top producer of oil and natural gas in the DJ Basin and is committed to operating safely, responsibly and with minimal impacts on the communities where we work.

Contact Us

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*Seismic Acq
Services*

*Acme/Vessels
Minerals 3D
Seismic Survey*



Crestone Peak Resources is partnering with Seismic Acquisition Services, LLC. (SAS) to conduct a 3D seismic survey to safely and efficiently develop oil and natural gas in the area.

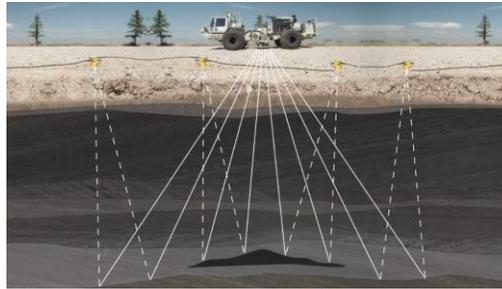
What is a 3D seismic survey?

A 3D seismic survey uses state-of-the-art technology to produce detailed images of geological layers deep beneath the earth's surface. From this data, maps are created to locate the position of oil and natural gas reservoirs.

How does seismic survey work?

New technology allows us to safely and unobtrusively create a map of underground oil and natural gas reserves, using an array of small receivers called geophones, that are placed on the ground in a grid formation throughout the survey area. Three trucks act as the energy sources that create vibrations deep underneath the ground, which in turn create small sound waves, or echoes.

The trucks move in perpendicular lines to the receivers, and the echoes are collected by the receivers; similar to how a sonar is used in a fish finder device. Once the receivers are removed from the ground, the data stored in them is used to generate a 3D image of the underground rocks, which helps create a map that enables operators to locate reservoirs of oil and natural gas that can be extracted.



What safety & environmental protocols are in place?

Crestone and SAS meet all local, state and federal safety regulations, including OSHA requirements. Regular safety meetings are held to ensure all crew members are in compliance with these standards. Independent Peak Particle Velocity (PPV) consultants accompany each seismic fleet to ensure safe operations.



Where does it take place?

Depending on the placement of the well locations, the survey area may encompass uninhabited and open lands, as well as neighborhoods, although we aim to survey outside of neighborhoods whenever possible. On any privately-owned land, we seek the surface owner's permission to place receivers on their property. A permit agent will meet with landowners and residents to coordinate the timing and access. In many cases, Crestone holds mineral interests and is exploring those minerals, however, the company may need to access non-leased minerals in order to provide a useful, continuous image across the area. As required by state law, landowners will be compensated for damages actually caused to crops or other property.