

# Aerial Surveys Photography, Mapping and 3D Data Processing



## Experience

ECS has adapted the latest aerial survey technology and processing software, reserved in the past for large areas or long corridors, to meet our

clients budgets and needs. ECS accomplishes this through collection of value added data to meet multiple planning, production and marketing needs.

- Pad as-built that can also be used to plan future pad expansion for additional in-fill wells
- Mapping an existing pipeline corridor infrastructure that can then be used to market and plan for additional pad connections

ECS has the knowledge and experience to guide our clients in the cost effective use of planning, construction and marketing funds.

## Commitment

ECS has invested in the aerial survey equipment and personnel necessary to meet the demanding needs of the oil-gas industry.

- Full-time pilots.
- Aircraft outfitted with camera, remote sensing equipment and GPS based in Sidney, Montana in the heart of the shale oil plays.
- Sidney-based for data acquisition in days, not months often encountered in the aerial photography industry.
- Data processed in Sidney by a staff and server dedicated to aerial survey data.

## Success

Since successfully introducing this service in 2014:

- ECS has flown, processed and delivered several hundred miles of flight lines, photography and 3D data.
- Deliverables include pad as-built, above ground appurtenance mapping and topographic mapping in point cloud, surface and ortho rectified imagery formats.
- Uses include preliminary routing, minimization of wetland impacts and well and pad expansion plans.
- Data accuracy is tied to survey grade ground control points and is ground truthed using additional survey grade data points.

