



ORPHANED WELLS DETECTION

Introducing a game-changing approach to orphaned well detection.

Traditional methods are riddled with challenges, from field operator safety concerns to high costs and low efficiency. Skipper NDT eliminates these drawbacks by introducing a fully automated magnetic-based technology using the latest hardware and software advancements.

Our groundbreaking solution has undergone rigorous field testing and validation through missions for major operators, including Chevron in North America.

Here's what sets Skipper NDT apart:



NO BOOTS ON THE GROUND

With our technology, field operators can remotely scan areas without risking their safety in challenging or inaccessible terrains.



RAPID SCANNING OF LARGE AREAS

Our drone vector technology enables quick access to complex landscapes, such as mountains, covering up to 20 acres per day.



IN-SITU PRELIMINARY PROCESSING

Quick preliminary processing of the magnetic data, in the field, allowing operational reactivity.



RELIABLE DATA

Automated data acquisition and processing for consistent and repeatable results enhancing reliability. Well signature noises are differentiated from background noises.

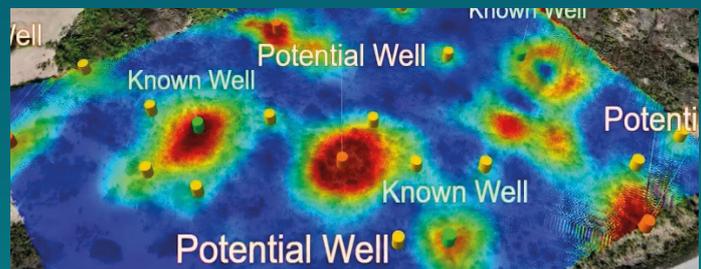


ENHANCED AND COMPREHENSIVE GEOSPATIAL POSITIONING

Integration of additional data layers, such as photogrammetry or suspected well locations. Helps confirm and precisely locate the position of the well.

The 3D rendered is an intuitive representation of the surface area with the georeferenced magnetic signal of orphaned wells. In addition, other information can be displayed for better understanding such as the suspected locations of legacy wells as shown in the picture below.

With Chevron, our technology has been field-tested and validated via abandoned well detection missions, on 12 different sites where more than 30 potential wells were positioned.



3D rendering of the inspected site with a photogrammetry layer

An in-situ preliminary response was used during an inspection to guide a successful excavation work on the same day. The Skipper NDT solution allows inspection and excavation jobs to happen on the same day, reducing the mitigation time by more than a month.

With Skipper NDT's technology, we're not just addressing a critical environmental issue – we're reshaping the future of well detection with unprecedented efficiency, safety, and accuracy.

TRADITIONAL APPROACH

INCLUDES

- + ROW Access for geohazard inspection crew
- + Limitations in aerial survey data density/precision
- + Extended times to obtain data/ infrequent updates with high precision
- + Coarse and sometimes inconclusive data acquisition
- + Unnecessary safety risks

RESULTS

- ⊗ Longer inspection times
- ⊗ Manual data acquisition procedures
- ⊗ Increased risk
- ⊗ Lower density/quality data/difficult decision making
- ⊗ Higher total lifecycle cost due to uncertainty in decision making

SKIPPER NDT'S APPROACH

INCLUDES

- + Technology focused solution
- + Efficient, non-disruptive data collection
- + Accurate and repeatable at higher frequency
- + Fully documented with electronic records
- + Dense, precise data for regular based bending strain analysis updates

RESULTS

- ✓ 3 times faster than traditional inspections
- ✓ 100% automated data acquisition procedure
- ✓ Reduced risk
- ✓ High quality, repeatable data acquisition enabling confident and effective decision making
- ✓ Low total lifecycle cost due to optimized decision making

