



FRS Express

OIL AND GAS EXPLORATION SERVICES
WITH 90% RESULTS ACCURACY

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OUR FLUID- RESONANCE SEISMIC TECHNOLOGY

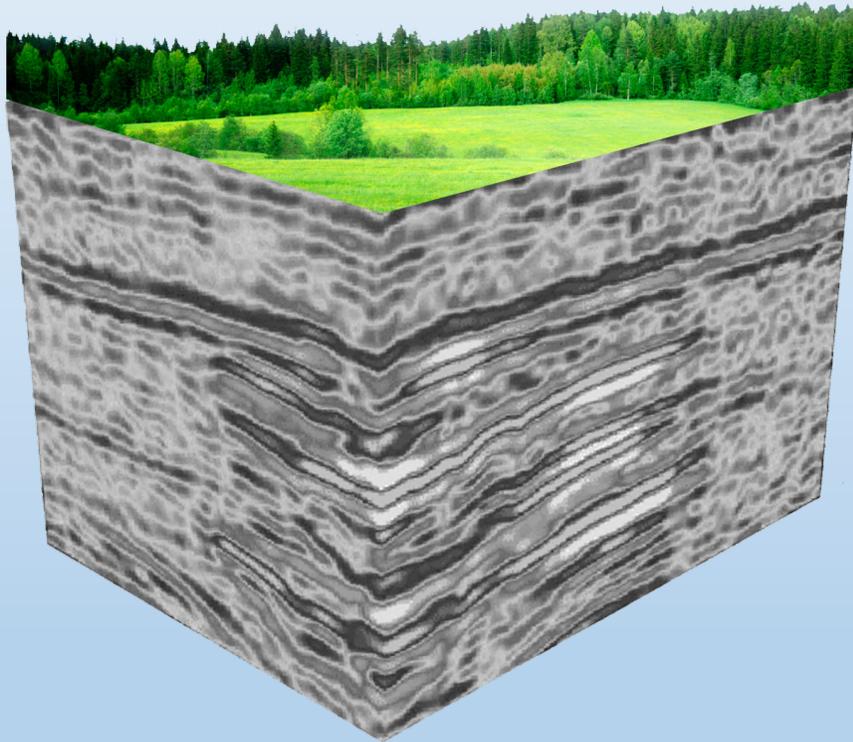
What makes us uniquely different...

OUR APPROACH.

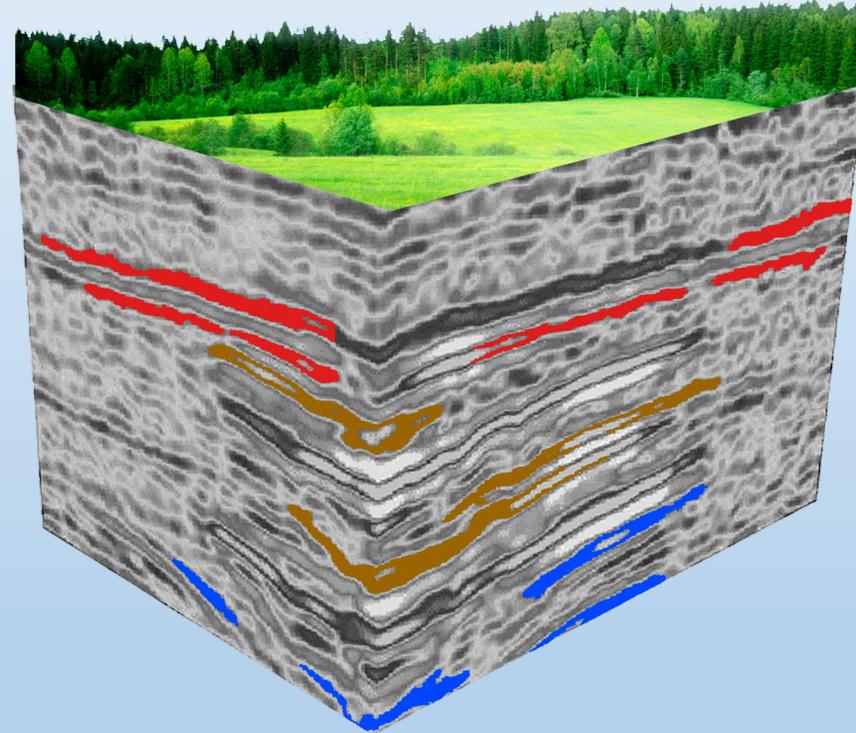
The current state of the art for oil and gas exploration is 3D seismic. In a properly migrated 3D seismic data set subsurface maps can be constructed that provide detailed information about fault distribution and subsurface structures.

However, even if the resulting maps are correct, they cannot confirm or deny the presence of hydrocarbons. Our Fluid Resonant Seismic is a new technology based on years of development which can confirm whether hydrocarbons are present; thereby, greatly increasing the probability of successful exploration.

3D Seismic



3D Seismic + *FRS*



- Oil
- Gas
- Water

THE DIFFERENCE	3D CDP	FRS TECHNOLOGY
Creates reliable subsurface structure maps	yes	complementary contour map indicating liquids
Indications the presence of hydrocarbons	sometimes, but not reliable	separately identifies gas, oil and water
Drilling success	20-25% industry average	90% chance of finding hydrocarbons with 3D Seismic + FRS
Reservoir thickness determination	yes	Yes, when thickness \geq 3 meters (10 feet)
Reservoir depth determination	best accuracy	\pm 500-1000 feet *
Deepest reservoir confirmed	at the depth of more than 5 miles	at the depth of 3.65 miles

* Depth determination accuracy is \pm 500 feet when similar reservoirs have been previously explored on the customer site. In the other case, depth determination accuracy is \pm 1000 feet.

Our proprietary technology is named **FLUID RESONANT SEISMIC (FRS)**

FRS exploration advantages are:

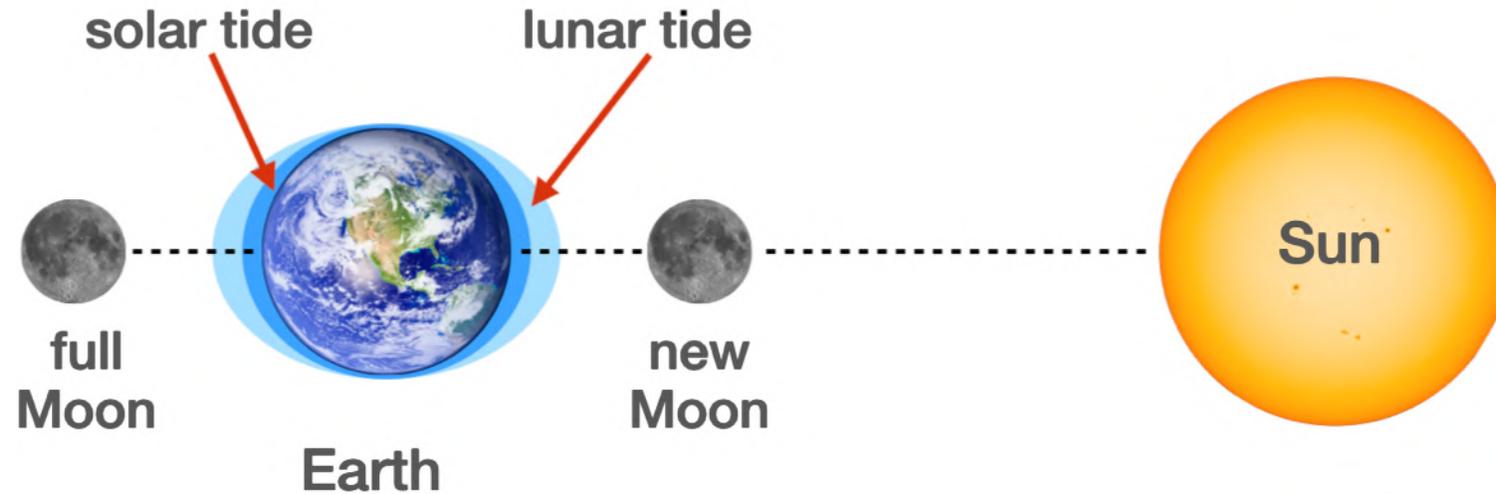
1. Determination / confirmation of the presence of hydrocarbons.
Conventional 3D seismic technology cannot confirm or deny the presence of hydrocarbons.
2. Detection of hydrocarbons increases the probability of successful exploration up to 90 percent.
3. Each detector services 2,500,000 square feet of surface area to a depth of up to three miles for data collection period (up to one week).
4. Prices are sufficiently lower than conventional 3D seismic for the exploration.
5. We work on land, under water and on ice.

HOW FRS TECHNOLOGY WORKS

FRS works on gravitational tide resonances data collection and processing.

On resonant days, liquids beneath the ground vibrate at specific frequencies.

Our engineers calculate these resonant intervals: they occur 2 to 3 times each month.



FRS EXPLORATION

1. Proprietary seismic sensors are installed in a grid each separated between 500 and 1500 feet
2. Data is collected for 3 days during a resonant interval
3. Data is uploaded on cloud platform
4. Engineers, using **FRS** proprietary techniques, create the customer report within 2 weeks
5. Entire process including installation takes from 2 weeks to 2 months
6. Offshore exploration works on the same principles

ONSHORE AND OFFSHORE FRS EXPLORATION



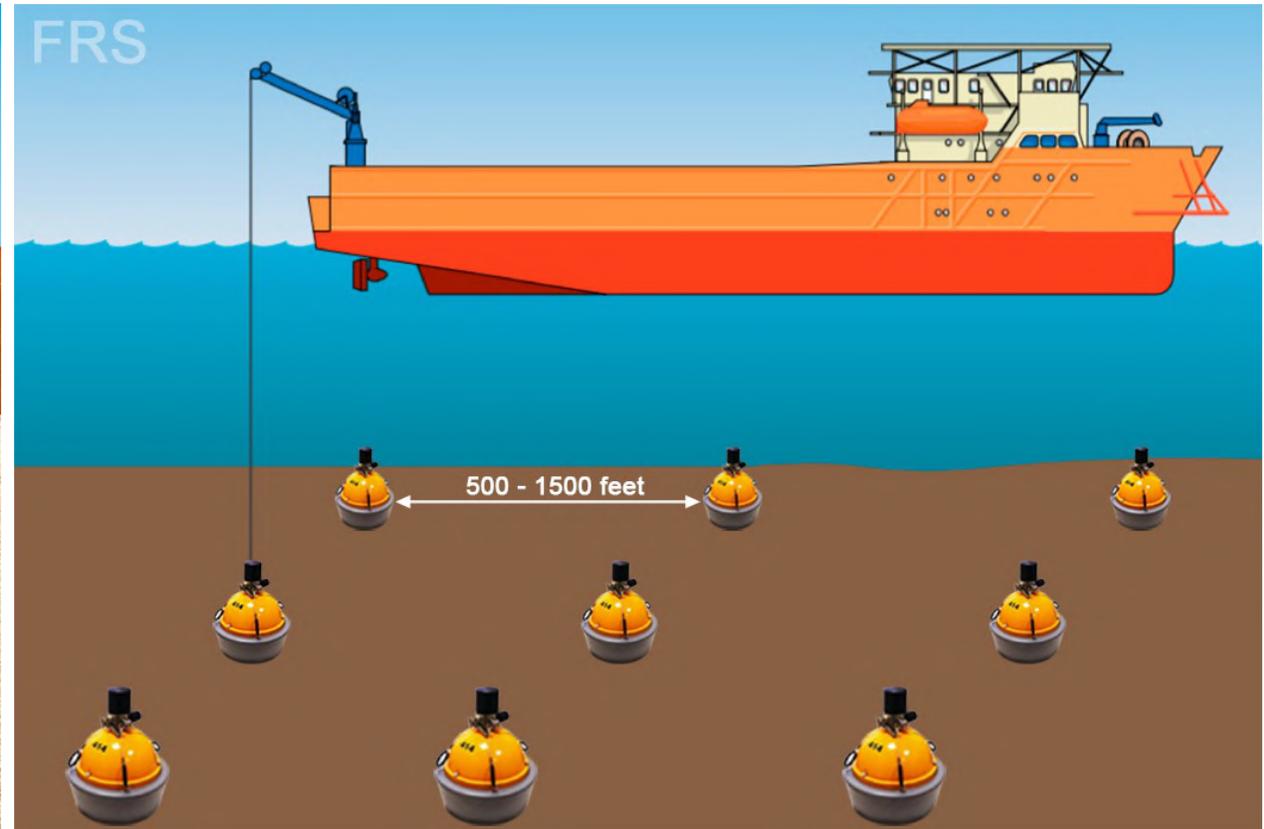
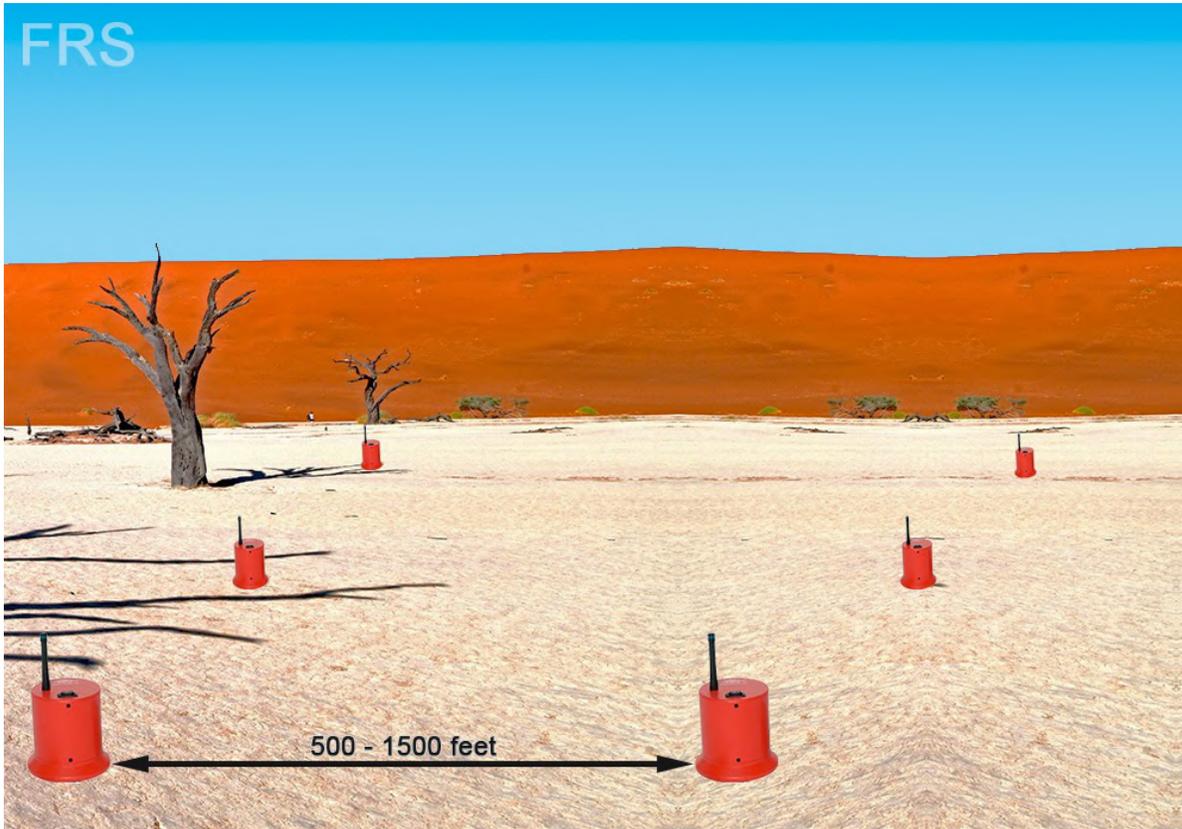
H: 14 in
W: 11 in

12 lbs



H: 22 in
W: 25 in

72 lbs



YOU KNOW WHAT YOU PAY FOR

Our company aims to build trusting relationships and offers special deals.

New customers are offered testing opportunity in FRS technology on their active wells (or reservoirs explored) before making full payments.

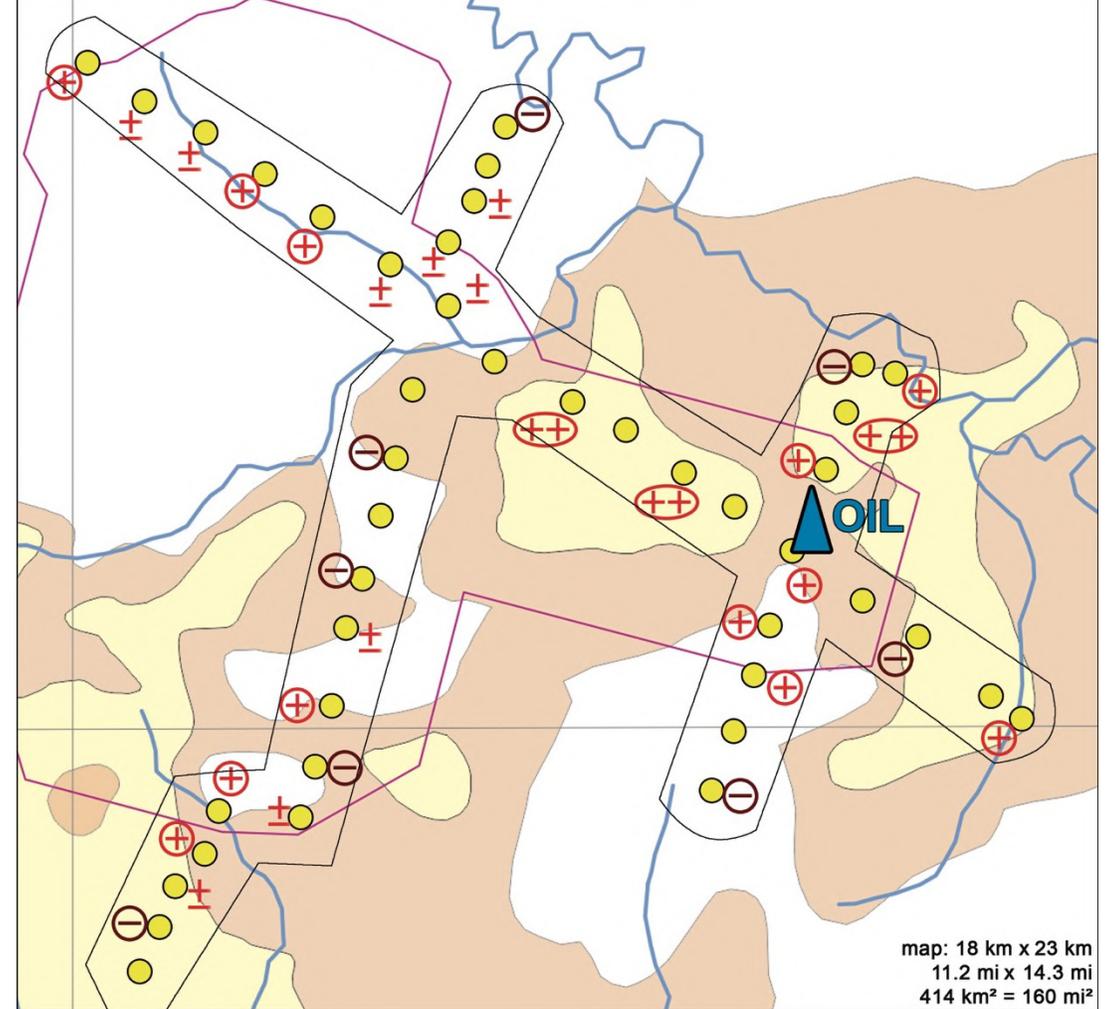
Testing is provided at the substantially discounted cost on the limited acreage.

Customer receives detailed characterization for the test acreage, which helps them with the next move.

CASE I – RESULTS

At an oil and gas field on the Siberian platform, comparison of fluid resonant seismic exploration data (40 physical points – seismograph locations) with conventional 3D seismic exploration data confirmed the coincidence of the main structural deposit elements.*

In addition, **FRS** exploration data provided insight into the presence or absence of oil and gas deposits.



3D-CMP Results

- Oil-predicted area
- Gas-predicted area
- Rivers
- Boundary of 3D-seismic grid

FRS Results

- Seismic sensors location points
- Hydrocarbon forecast > 70%
- Hydrocarbon forecast > 95%
- Fallow forecast (dry holes)
- Hydrocarbon forecast uncertain
- Boundary of FRS-seismic grid

* Faults, blocks, different lithologies

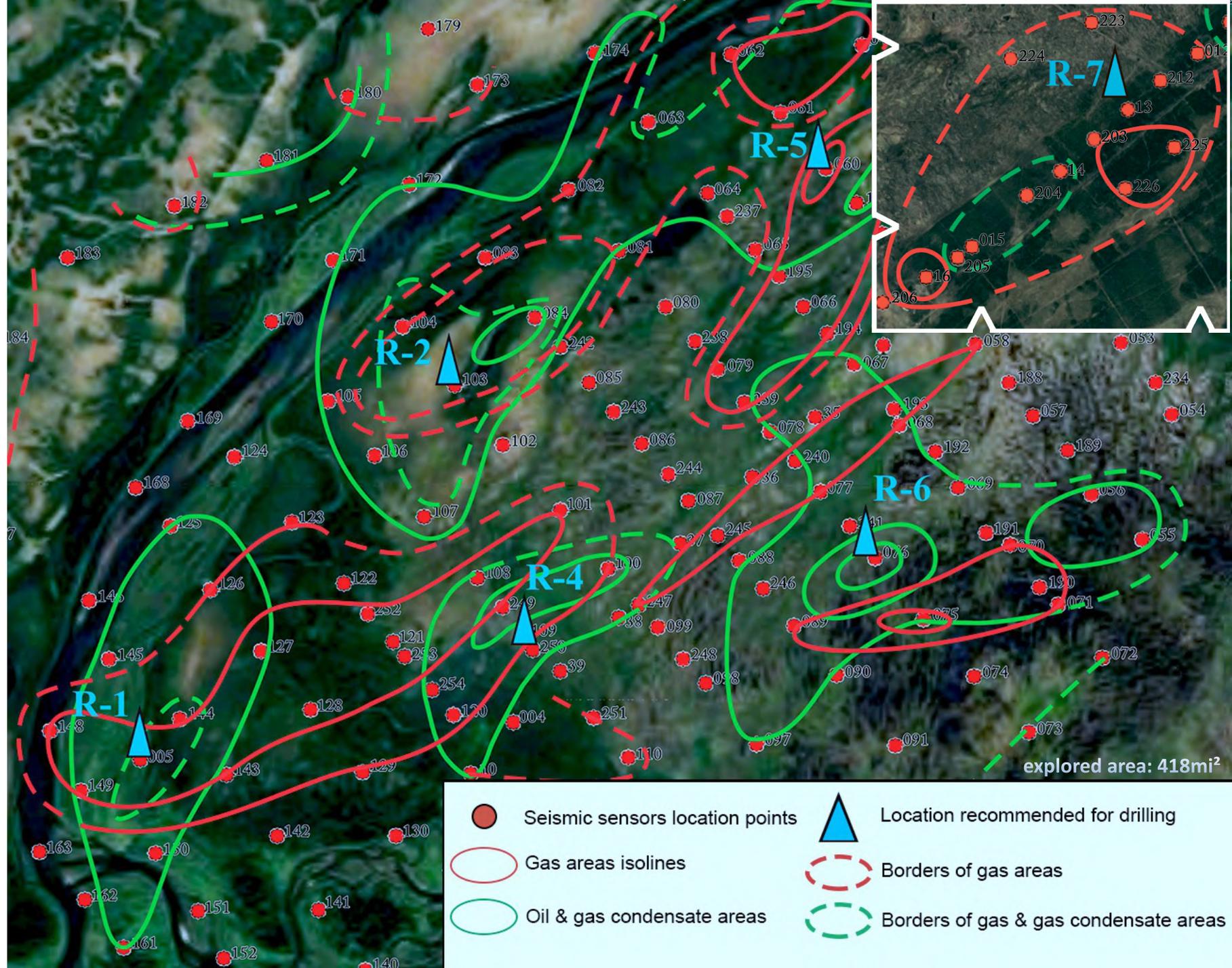
CASE II

Data collection using **FRS** has been conducted at 240 locations.

Exploration results were submitted to the customer one year prior to acquiring 3D seismic.

In addition to identifying the main structural elements, the presence of hydrocarbons was predicted.

Gas production was subsequently confirmed at 200,000 m³/day at the R-7 location.

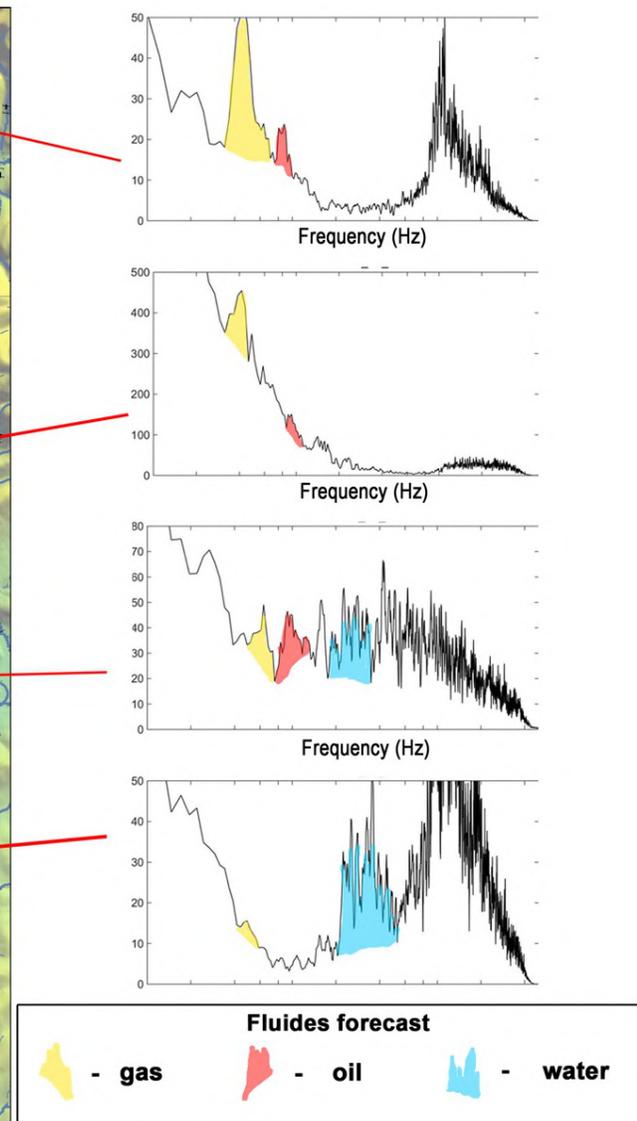
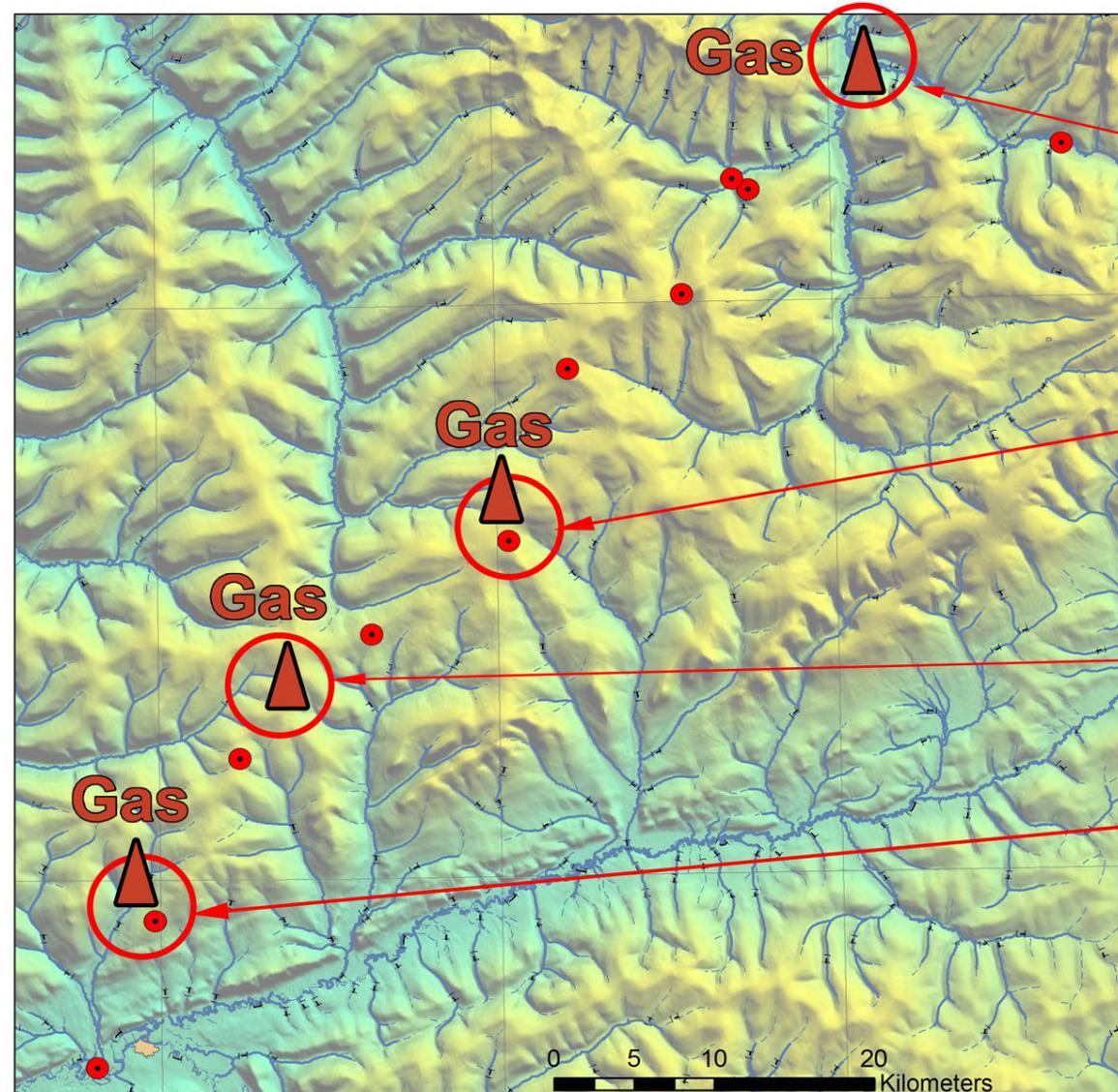


CASE III

FRS exploration technology was conducted for gas layers of various thickness (from 1 to 20 meters).

Low-frequency standing wave anomalies were consistently correlated with gas-saturated Vendian horizon layers.

Even thin gas-saturated layers from 1 to 5 meters were identified utilizing fluid resonance seismic exploration data.



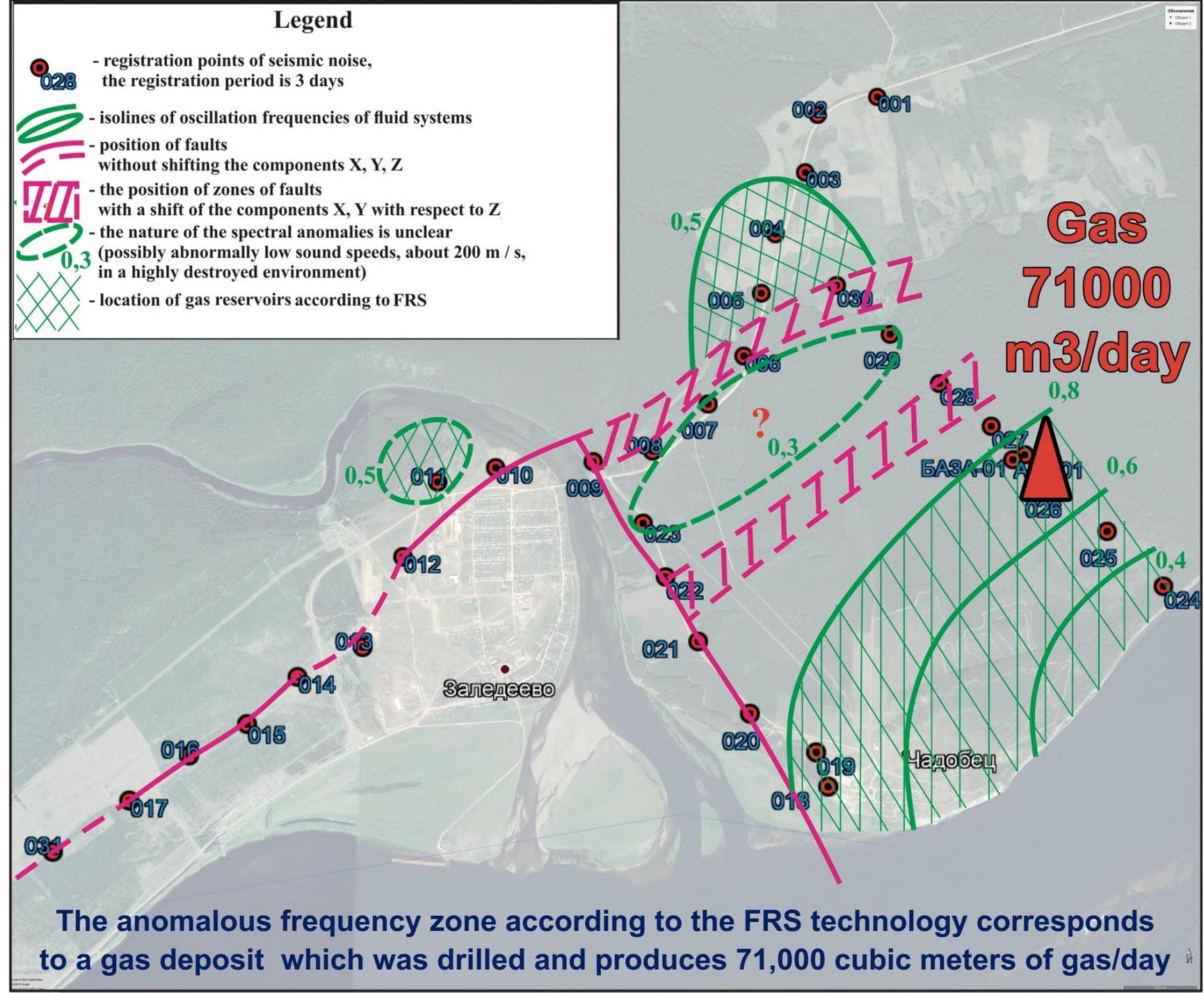
It is impossible to detect thin objects using conventional 3D seismic exploration even at a high resolution.

CASE IV

FRS technology was tested in the complexly faulted Agaleevskaya area of the Siberian platform.

The forecast of oil and gas accumulations in the exploration area has been completed.

As a result of measurements at 34 physical points, 3 zones of highly probable oil accumulation have been predicted.



**DO YOU
WANT TO KNOW MORE?**

CONTACT US TODAY

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