

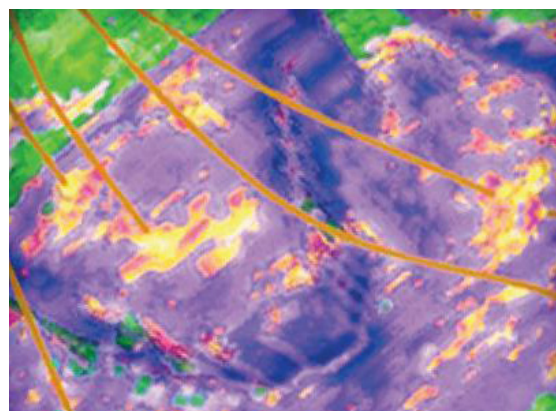
Improve data interpretation with inversion of post-stack seismic data to P-impedance

InverTracePlus® estimates P-impedance from post-stack seismic. Inputs are a seismic stack and corresponding wavelet and a low-frequency model. Porosity can usually be computed from the derived P-impedance. The P-impedance from inversion and any derivative can be interpreted from a Bayesian analysis perspective using the **FFP** application. This facilitates the generation of probability-based net pay maps.

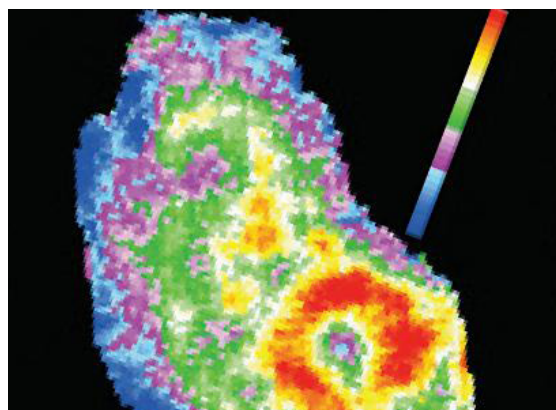
InverTracePlus post-stack inversion integrates sparse spike inversion technology with sophisticated low-frequency modeling techniques to produce the most advanced deterministic estimates of P-impedance in the industry. The parameterization includes full 3D control of most variables, and a rich set of quality controls.

The Jason advantage

- Intuitive parameter settings in a user-friendly interface
- Consistent, accurate reservoir properties
- Wells available for QC since results are not model-based
- Realistic low-frequency models consistent with geology
- Drill fewer and better wells
- Achieve exploration and production goals
- Optimize development of reservoirs
- Accurate reserves estimates
- Probability-based interpretation via **FFP**

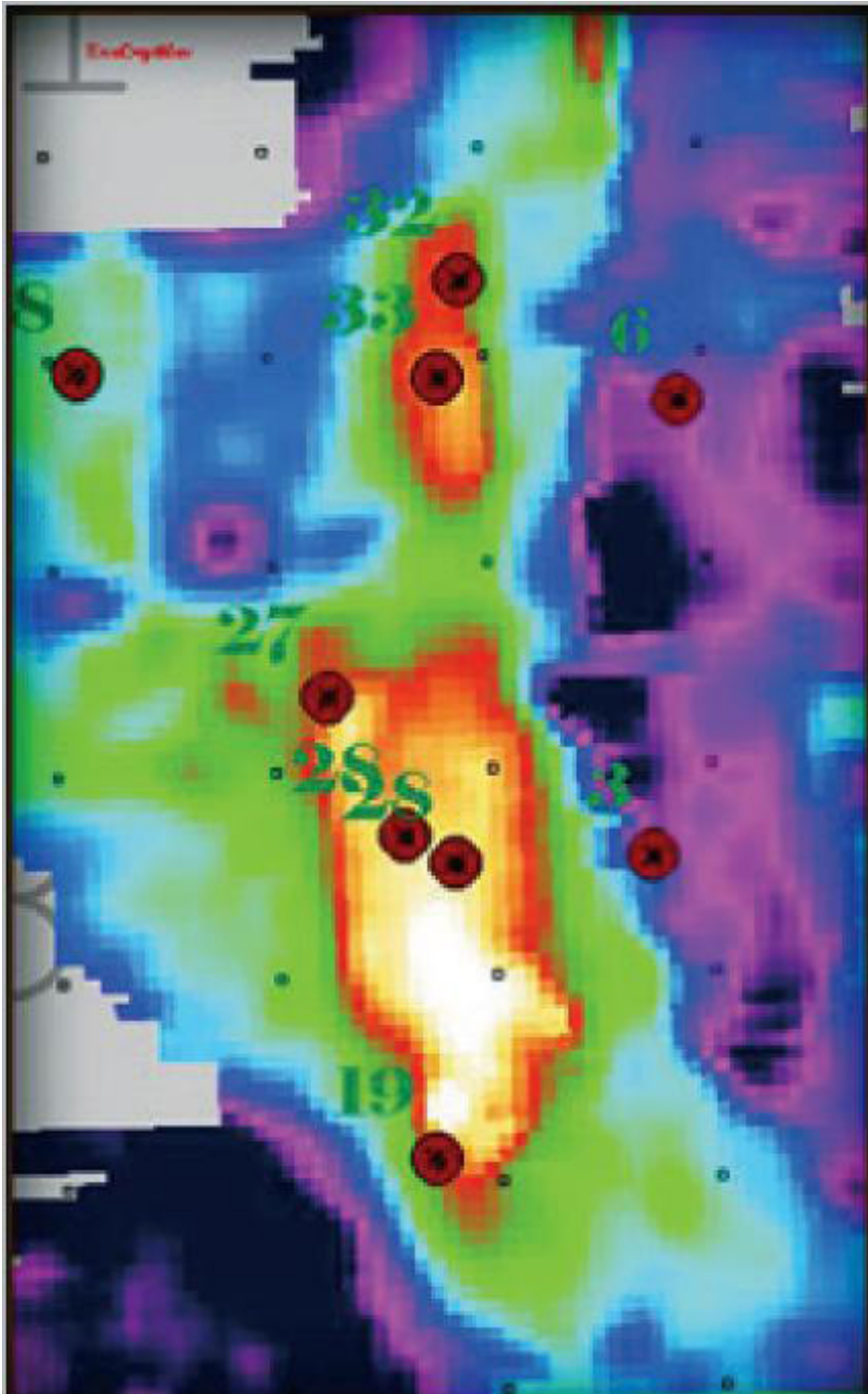


Devonian reef impedances.



Porosity in a Nisku reef.

InverTracePlus



Remove wavelet tuning and interference, generate rock properties from seismic and improve the interpretability of your data with InverTracePlus.

Regional Contacts

Please visit cgg.com/contact

General Contact

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Key features

- Unique, proprietary Algorithm
- Rich QC for QI analysis
- Advanced spatial constraints
- Proprietary inversion engine
- Non-model-based
- Full Zoeppritz equation
- Rich parameterization control
- 3D-variable wavelets
- Detailed low-frequency models
- Includes faults and stratigraphy
- No constant background trend
- Driven by geology and seismic data

Operating system requirements

The following operating systems and graphic systems are supported

- Linux™ Red Hat® Enterprise 4,5 or 6
- Linux™ SUSE™ 11.x, Enterprise (SLES10)
- Windows® (32 & 64 bit) – XP SP3, Vista™, Windows® 7
- Requires Nvidia® graphics

Interoperability

**WellTie, EarthModel® FT,
Facies & Fluids Probabilities (FFP)**