

A large, dark silhouette of an oil pumpjack (jackal) is positioned on the left side of the frame. The pumpjack's long, angled arm extends upwards and to the right, ending in a counterweight and a smaller arm. The base of the pumpjack is a complex structure of beams and supports. The background is a dramatic sky at sunset or sunrise, with a bright sun low on the horizon, creating a strong orange and yellow glow. The sky is filled with soft, wispy clouds. The overall mood is industrial and serene.

Danomics Petrophysics Overview

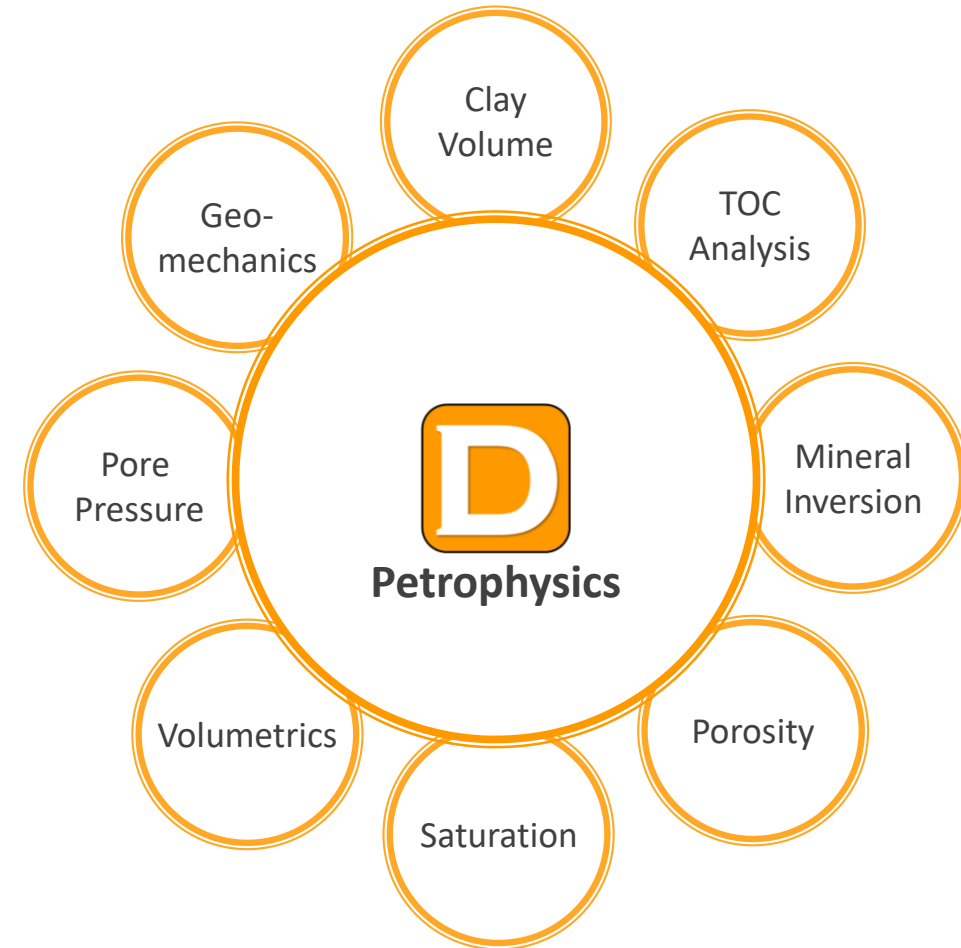
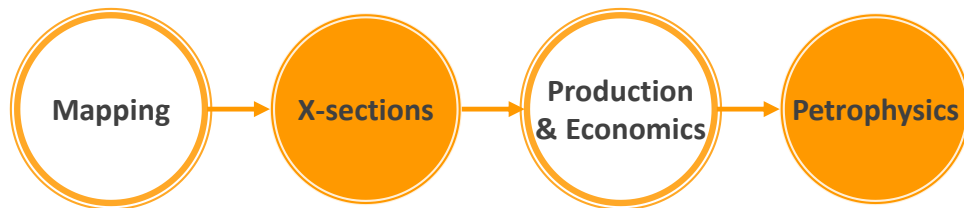
**Delivering business value through multi-well
petrophysics**

March 2020

Danomics Overview

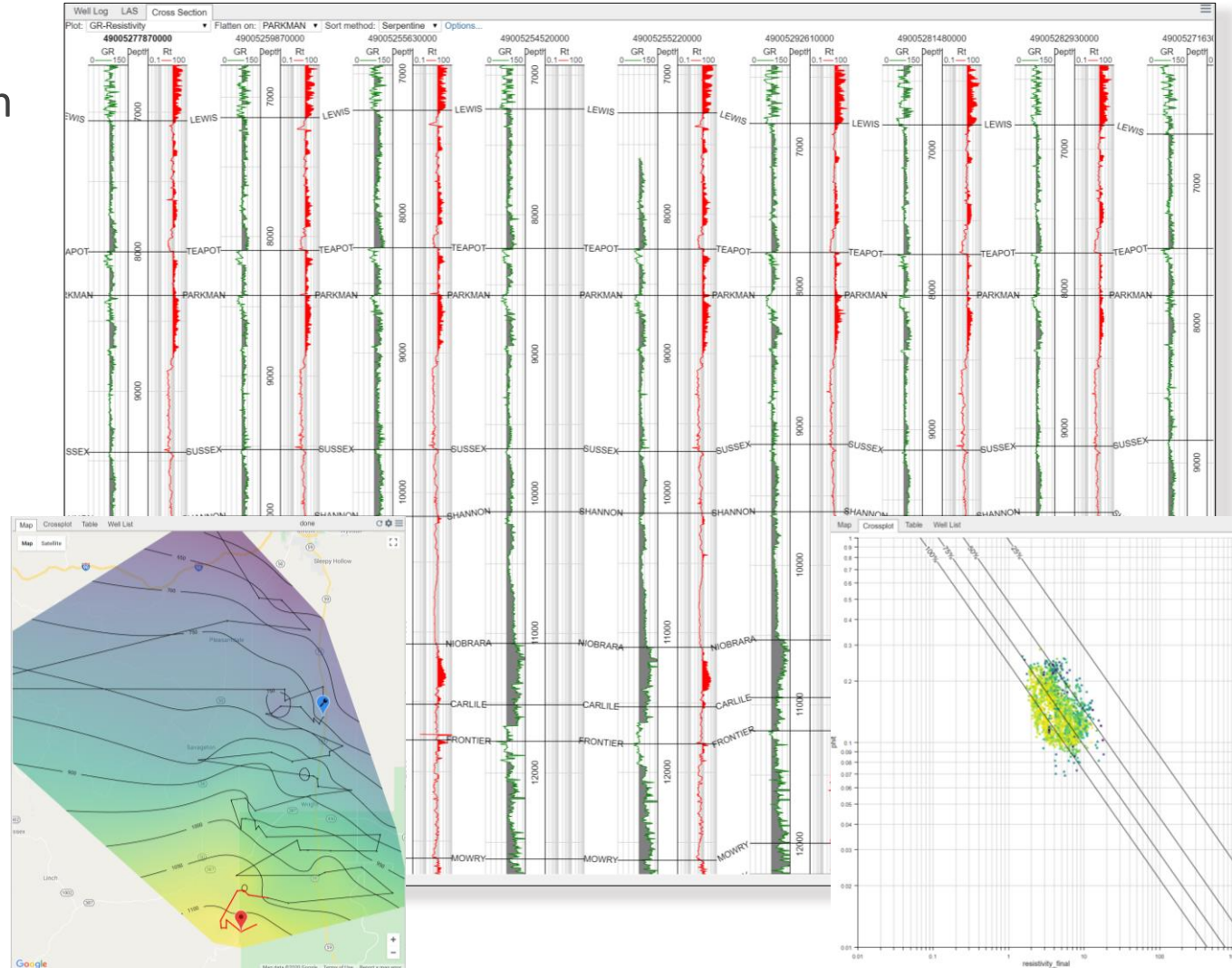
Danomics is...
Multi-well,
Powerful,
Fast,
Flexible,
Value,
Cloud-based,
and Evolving.
Danomics is Petrophysics

Danomics – An end-to-end platform



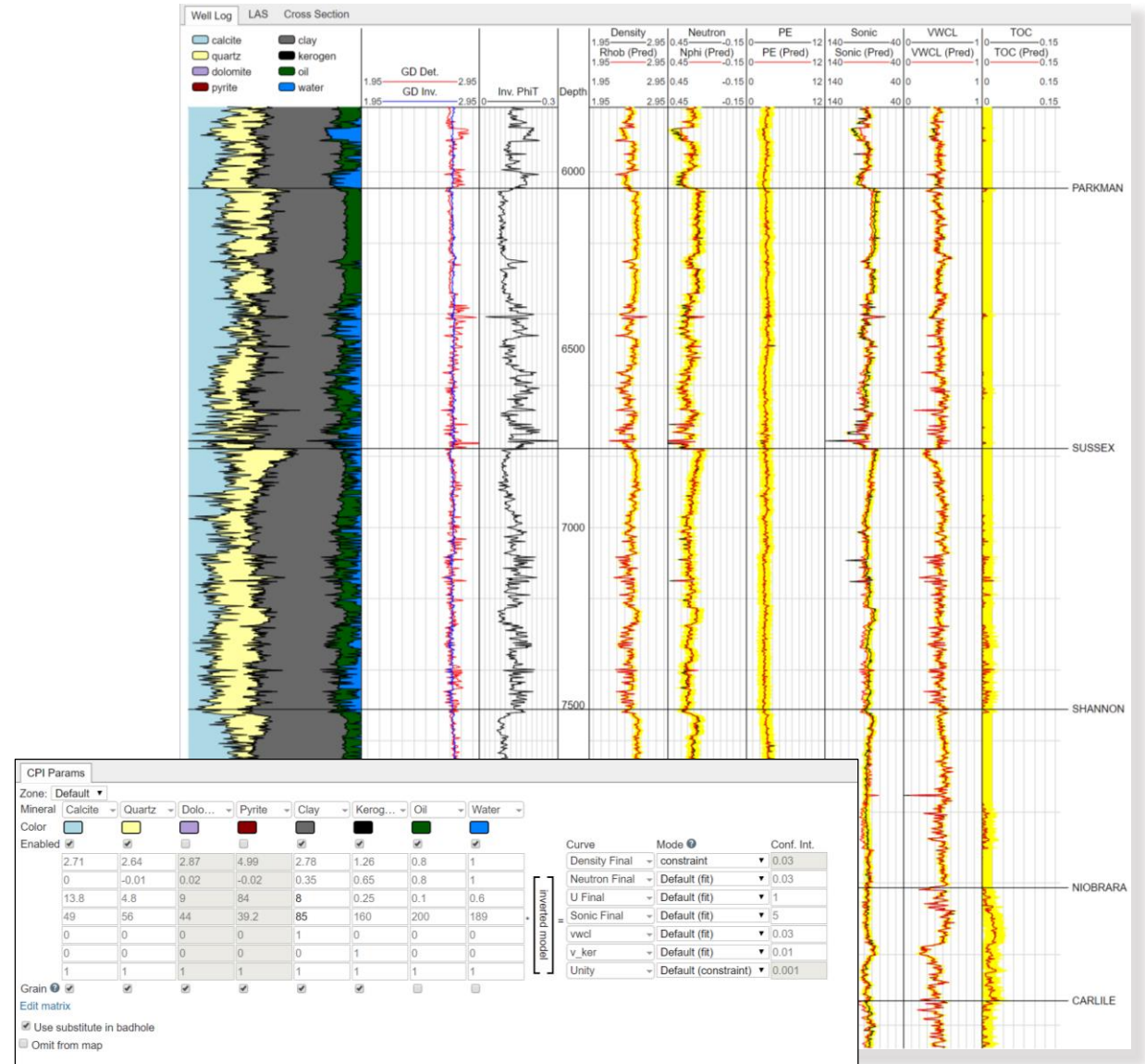
Danomics is Multi-well

- Multi-well by design for today's data-driven plays
- Key-well concept and spatial parameters for rapidly interpreting 1000s of wells
- Mapping, cross-sections, and strat column/tops management
- Data aliasing, standardization, normalization, filtering, and QC tools
- Parallel calculations, uploads, and downloads for faster project cycles



Danomics is Powerful

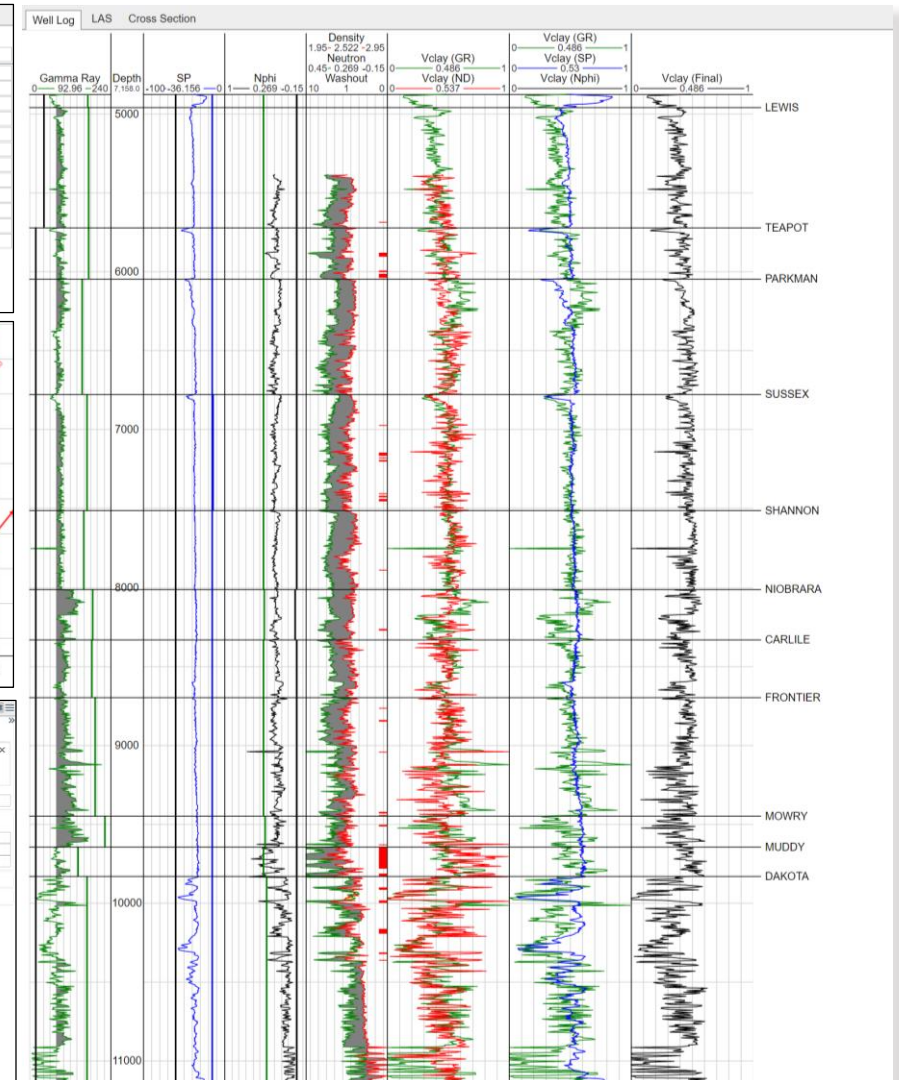
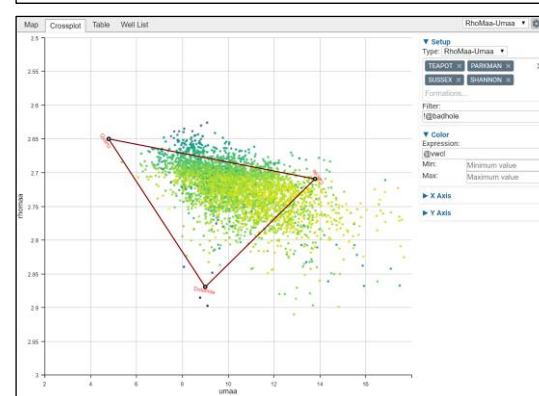
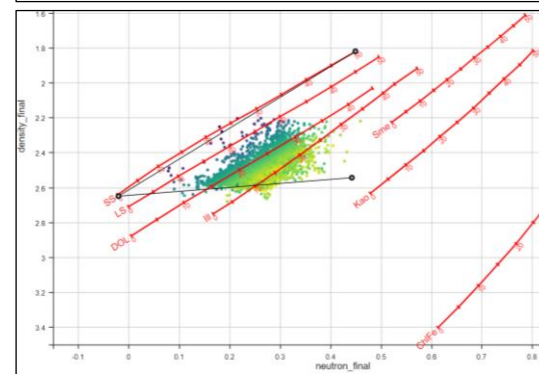
- Industry leading petrophysical workflows that operate at scale
- Mineral inversion, pore pressure, and geomechanics by default – no expensive add-ons
- Dozens of built-in methods and tools at your fingertips
- Cloud-based so it scale to handle today's massive projects



Danomics is Fast

- Drag and drop parameters, visual overlays, and on-the-fly calculations
- Pre-built log, x-section, and x-plot templates and map options
- Built for accessibility
 - Intuitive interface with zone-by-zone control
 - Designed for use by petrophysicists, geoscientists, and engineers
- Easy bulk upload/downloads with project sharing functionality

CPI Params										
Zone	GR Method	GR Clean	GR Clay	Use ND	RHO _B Clean1	NPHI Matrix	RHO _B Clean2	NPHI Clean2	RHO _B Clay	NPHI Clay
Default	uit (GR Clay)	20	170	All None	2.65	-0.02	2	0.36	2.55	0.4
Pre-Zone	uit (GR Clay)	42.2	172		2.65	-0.02	1.822	0.45	2.544	0.443
LEWIS	uit (GR Clay)	42.2	174		2.65	-0.02	1.822	0.45	2.544	0.443
TEAPOT	uit (GR Clay)	20	176		2.65	-0.02	1.822	0.45	2.544	0.443
PARKMAN	uit (GR Clay)	20	156		2.65	-0.02	1.822	0.45	2.544	0.443
SUSSEX	uit (GR Clay)	20	170		2.65	-0.02	1.822	0.45	2.544	0.443
SHANNON	uit (GR Clay)	20	160		2.65	-0.02	1.822	0.45	2.544	0.443
NIORARARI	uit (GR Clay)	20	187		2.704	-0.002	2.016	0.409	2.505	0.436
CARLILE	uit (GR Clay)	20	185		2.65	-0.02	1.822	0.45	2.544	0.443
FRONTIER	uit (GR Clay)	20	195		2.65	-0.02	1.822	0.45	2.544	0.443
MOWRY	uit (GR Clay)	20	223		2.657	-0.02	1.99	0.357	2.466	0.43
MUDDY	uit (GR Clay)	20	144		2.65	-0.02	1.822	0.45	2.544	0.443
Post-Zone	uit (GR Clay)	20	170		2.65	-0.02	2	0.36	2.55	0.4



Danomics is Flexible

- Build your own equations, modules, and visualizations with simple Danomics scripting
- Built-in Python and equation playgrounds for quick testing
- API access to leverage Danomics' platform infrastructure while running custom code
- Customize workflows and templates to your company's needs
- Full access to Danomics' back-end equations and methods

The image displays three overlapping screenshots of the Danomics web interface, illustrating its flexibility in handling equations and configurations.

Top Screenshot: CPI Params
This panel shows a table for managing equations. It has columns for 'Name' and 'Expression'.

Name	Expression
sw	
Sw_1	$((\$a * @rw_ft / (@resistivity_final * @phie^{\$m}))^{(1/\$n)})$
Phie	$@phit - @vwcl * \$phi_shale$

Buttons for '+Add Equation' and 'x' (delete) are visible.

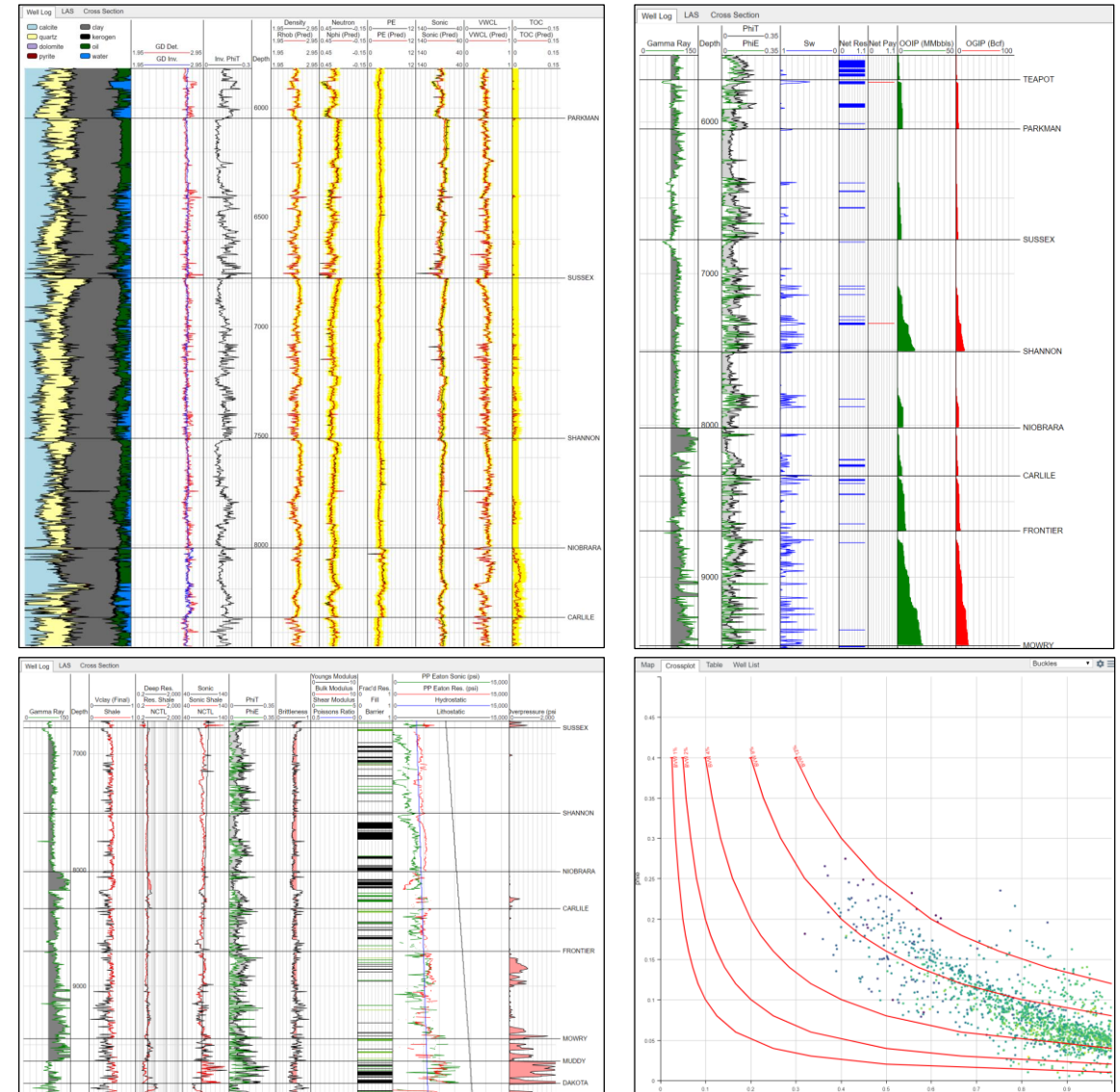
Middle Screenshot: Run
This panel shows a Python code editor with a 'Run' button. The code defines a function to calculate a value based on input parameters.

```
1 def calculate(curvesByName, curvesByCommonName, tops):
2     import numpy as np
3
4     gr = curvesByCommonName['gr']
5     gr_clean = 20
6     gr_clay = 100
7     vcl_gr = (gr - gr_clean) / (gr_clay - gr_clean)
8
9     return { "vcl_python": vcl_gr }
```

Bottom Screenshot: Overrides
This panel shows the 'Overrides' section, which allows users to customize the default configuration. It includes a 'Config' tab and a 'Submit custom overrides' button. The current status is 'Overrides status: config has custom overrides'. Below this, there is a section for 'My custom equations go here...' with an 'equation:' field and a list of overrides. The 'Config' tab shows the 'Config status: Built-In' and a list of configuration files (01_setup.yaml to 11_volumetrics.yaml) with their respective parameters and values.

Danomics is Value

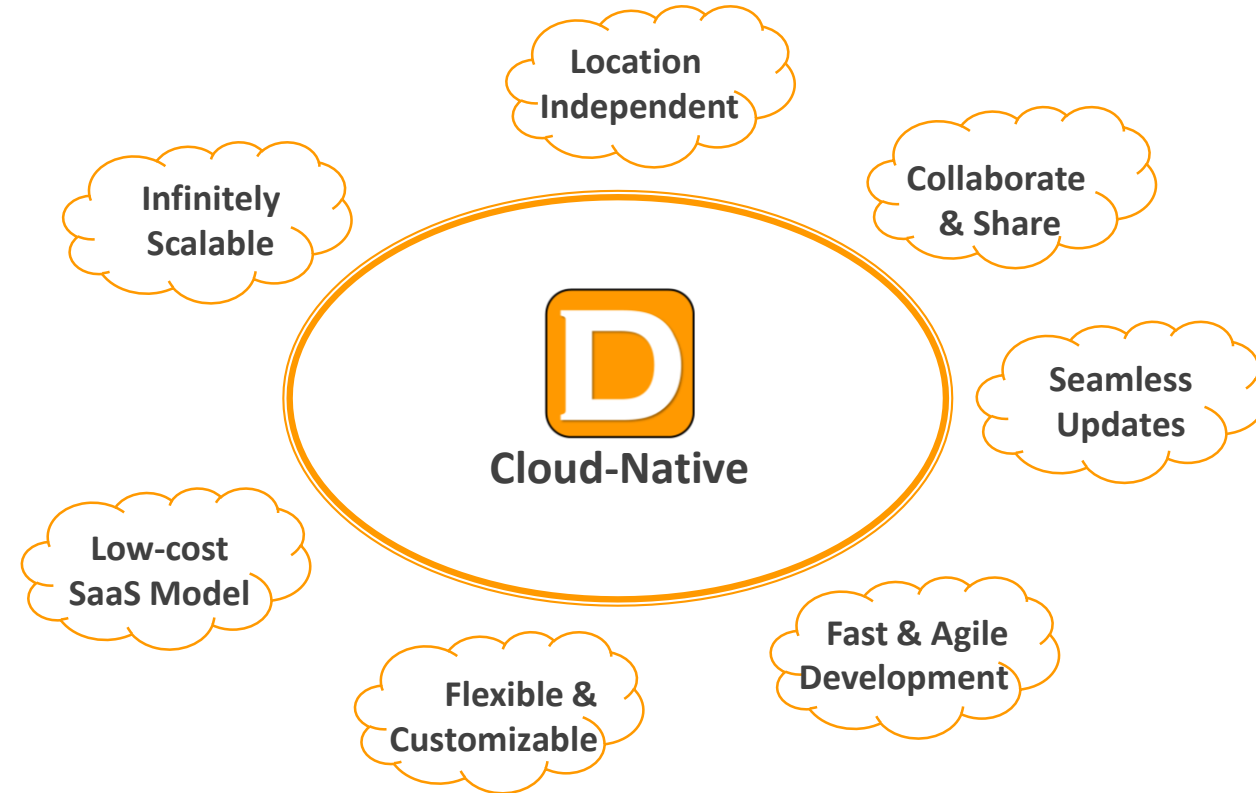
- SaaS model means **low upfront costs**, lower lifetime costs, and flexible licensing
- All-inclusive licensing means **complete access** – no expensive add-ons
- Bulk data loading
- Data aliasing, standardization, and normalization
- Cross-sections and mapping
- Deterministic workflow
- Probabilistic workflow
- Volumetrics
- Pore pressure and geomechanics models
- Visualizations and cross-plots
- API and back-end access
- Decline curve analysis and economics
- Customer service
- and more...



Danomics is Cloud-based

The power of the cloud means...

- **Scalable** – Capable of handling projects with 1000s of wells
- **Access** via the web from anywhere you have an internet connect
- **Simplicity** – Updates published automatically. No manual updates or installs
- **Cloud computing** eliminates the need for expensive hardware requirements
- **Collaborative** – Database and project sharing
- **Cloud-native** design with all functionality designed specifically for the cloud

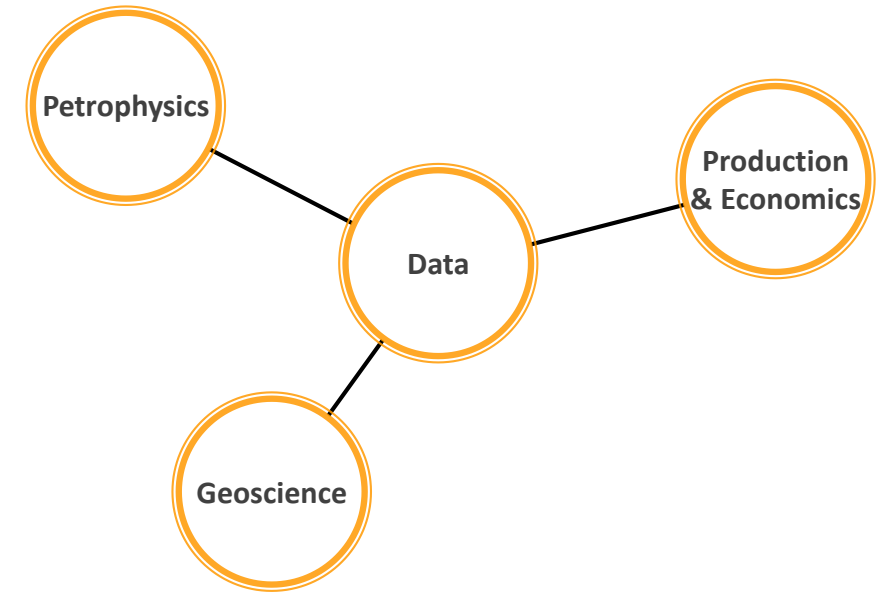


Danomics is Evolving

Danomics is under **active** development with weekly updates and an **aggressive development** slate

- Responsive to customer needs & guided by industry development sponsors
- Rapid-turnover times for new methods, equations, and modules
- Development focused on mix of new features, new methods and modules, and quality-of-life enhancements

Danomics is evolving towards an **end-to-end solution** that covers the spectrum from new ventures to development



Development Includes...

ML-based curve repair/generation
Map customizations & operations
Data visualizations
Performance predictions
Field planning



Danomics
Petrophysics

Multi-well

Powerful

Fast

Flexible

Value

Cloud-based

Evolving

Danomics *is* Petrophysics