

# DI TRANSFORM

## THE WELLS YOU PLAN ARE NOT ONE DIMENSIONAL, SO WHY SHOULD THE DATA YOU ARE BASING THEM ON BE?

Visualize, manipulate, and interpret an unprecedented amount of geological, geophysical, and engineering data within a single, all-in-one solution. Leveraging a proprietary multi-variate analytics engine, DI Transform intuitively translates complex geoscientific data into dynamic earth and engineering models from which your entire team can extract value.

### NO MORE EXPORTING

Run statistical models directly within your geoscience software, preventing time consuming “back and forths.” The integrated platform in DI Transform combines geoscience and analytics from Drillinginfo with your own proprietary data.

- Foster collaboration across disciplines through uninterrupted workflows within a single platform
- Save money by streamlining several one-off applications into a single, superior solution
- Enable all members of your team to interpret geoscientific analysis

### TURN YOUR “WHAT IFS” INTO TESTED REALITY

A multivariate approach factors in a multiplicity of conditions and properties into predictive models for well performance. With DI Transform, you will test insights faster, dynamically adjust models to maximize completion techniques, reduce wasted costs, and plan your wells effectively.

- Apply MVstats™ models spatially
- Analyze well communication variables
- Minimize risk

### INSIGHTS IN HOURS, NOT DAYS

Determining where and how to drill is simple with immediate feedback that allows you to monitor and adjust workflows as your well is drilled. DI Transform automates manual tasks like picking tops and seismic horizons, leaving Geoscientists more time for higher level analysis.

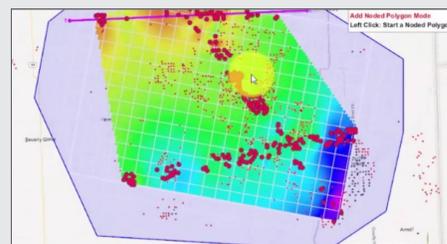
- Represent analytical findings in stunning 2D and 3D images
- Ingest and view over 100,000 wells at once
- Access real-time feedback

### CUSTOMER CHALLENGE

A geology team at an E&P company is tasked with picking tops across an area in the Niobrara to build a geologic structure map. Their findings will help vet a potential acquisition from a geologic perspective.

### SOLUTION

Using the automated tops picker and flooding technique in DI Transform, geologists can quickly pick tops across an entire area based on only a few manual picks. Within minutes, geologists can begin building geologic structure maps to vet new opportunities.



*Using the flooding option, a geologist can automatically pick tops for an entire polygon based on previously approved picks.*

## FEATURES AND BENEFITS

Feature	Benefit
Data analysis	Updated, modern user interface and new plot types for exploratory data analysis; improved ability to analyze and integrate data from an external spreadsheet
Detailed mapping and modeling	Interpretations and/or crossplot relationships can be combined to create detailed maps and models for more reliable well planning and infill drilling
Field and pad planning	Plan well pads over an entire field at once; reduce the risk of wellbore collision with 3D visuals that display your margin of error
Geosteering	3D visualization, multi-well tracking, structurally varying backdrop, and modern interfaces drive accurate estimation of horizontal well paths, and detailed understanding of reservoir zone intersection and positioning
Integrated G&G interpretation	Stratigraphic columns establish key correlations that support synchronization of geologic and geophysical interpretation
Microseismic interpretation	Interpret fault and fracture plane fitting, microseismic density binning, interactive stimulated rock volume (SRV) mapping, estimation of area/volumetric extents and overlap, and export of volumes and densities for wellbore simulation
Microseismic processing	Improve your process with interactive P and S pick, QC and editing, velocity model optimization, interactive event positioning and data query, and downhole microseismic data quality monitoring
Seismic registration	Interactive and automated correlation of multiple seismic volumes spanning multi-component, multiazimuth, and time-lapse drives accurate estimation of static reservoir parameters and monitoring of dynamic reservoir characteristics
Well interference	A new workflow for easily predicting the effect of nearby wells on current production; examine the results of past down spacing and optimize spacing for future wells
Well targeting	A new workflow allows you to calculate well path statistics on the fly, including Footage in Zone, Toe Up, Toe Down, and Directional Deviation Footage; use these variables for an in-depth analysis of drilling practices

## CAPABILITIES AND FUNCTIONS

Capability	Function
Analytics	The multivariate statistics (MVstats™) package includes multiple algorithm options that operate on geological, geophysical, and engineering data; these include classification tools using different machine learning algorithms, as well as multivariate regression tools for constructing predictive models
Engineering	Integrated pump pressures, volumes, time-to-depth data evaluation, dynamic display, mapping of surface and downhole measurements from production, and injection to pressure and temperature to modern fiber optics ensures better dynamic reservoir understanding
Geology	Automated geologic top interpretation, interactive top and data gridding, and a full suite of mapping and geostatistical modeling tools drives accurate reservoir depth and property modeling
Geophysics	Probabilistic fault detection and interpretation, automated fault interpretation, quick fault extractions, horizontal well interpretation, integrated velocity modeling, automated synthetics, concurrent horizon and fault interpretation, and framework modeling



PROACTIVE



EFFICIENT



COMPETITIVE

By monitoring the market, Drillinginfo continuously delivers innovative oil & gas solutions that enable our customers to sustain a competitive advantage in any environment.

Drillinginfo customers constantly perform above their competitors because they are more efficient and more proactive than the competition.

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