DI Interactive Basin Studies (DIIBS)

PRODUCT OVERVIEW

Valuation and benchmarking exercises are essential to all segments of the oil & gas industry. Getting these exercises to a point where they are quick, repeatable, and unbiased is data and resource intensive. These crucial analyses are often done on an ad hoc and inefficient basis costing companies time, money, and opportunities.

The Challenge

The goal of anyone conducting valuation and benchmarking exercises is to be able to perform analysis in a quick, repeatable, and unbiased manner. The upstream, OFS, midstream, mineral, and financial services segments all take steps to answer crucial questions for their acreage and asset valuation, A&D work, and counterparty/competitor benchmarking exercises. In many cases, these are improvised exercises undertaken with tight deadlines & inherent data & expertise constraints. The outcome can be impacted by factors such as the availability of data and time, the analyst doing the work, or even the time of day.

In order to repeatedly, reliably, and quickly do this work, comprehensive models must be built across all basins of interest in a consistent and unbiased manner through rigorous use of data and expertise across many different disciplines. These basin models require vast amounts of data and expertise regarding geology, land, engineering, production, and economics which results in these comprehensive basin studies being expensive and often unattainable due to the data & employee needs. Therefore, companies often divert to the lesser ad hoc approach or outsource the work. Even when the work is outsourced, the deliverables are often not transparent or interactive, making them hard to utilize or customize.

The Solution

Interactive Basin Studies leverage DI's industry-leading datasets and software across its geology, land, engineering, production, and economics databases to build a comprehensive view of any basin, giving you access to a SaaS solution for interacting with the models quickly and repeatedly to conduct unbiased valuation and benchmarking exercises.

The Drillinginfo geology team builds structural models for the major basins using logs to pick tops for all formations, and state well-level data provides production and key hydrocarbon composition data. This allows for a comprehensive geological overview of the basin including structure and thickness across all formations and helps identify common properties like GOR, API gravity, BTU content, and NGL yield — enabling DI experts to build type curve areas based on similar geological attributes, hydrocarbon properties, and production distributions.

drillinginfo
better, faster decisions

DI's reservoir engineers build type curves for oil, gas, and NGLs for each area and formation based upon wells drilled in the last several years, normalized for lateral length and completions data from DI's engineering datasets to reflect the productivity of new wells being drilled with the most modern technology. Using its extensive Market Research and Commodity Data Solutions offerings, DI collects D&C costs, LOEs, differentials, state level taxes, etc., allowing for a calculation of economic metrics like NPV, IRR, breakevens, and more for each type curve.

The result is a comprehensive basin report that takes the most important factors into account in a consistent manner within and across basins. All of the underlying data is provided to you, along with detailed methodology and calculations, making these the most transparent basin studies on the market. The DI Interactive Basin Studies allow you to interact with the solution geospatially by intersecting these type curve areas with user-defined areas of interest (acreage positions, assets, dedicated acreage, deals in play, etc.) to quickly compare activity, productivity, and economic metrics across acreage positions/assets, A&D opportunities, and counterparty/competitors. The interactive nature of DIIBS also allows you to tier type curve areas using customized inputs and weights to easily make the analysis your own.

Features	Benefits
Data and Expertise Driven	Uses DI's geology, land, engineering, production, and economics data, tools, and expertise to build rigorous basin studies that usually take whole teams to produce and maintain internally.
Repeatable and Unbiased	Consistent and transparent methodology applied across all major basins to enable valuation/benchmarking exercises to be conducted in a repeatable manner, eliminating ad hoc exercises.
Interactive	Allows for customization and interactivity through access to the data in a SaaS solution format that is constantly updated with the most recent data.
Quick and Accurate	Makes the valuation/benchmarking exercise a trivial task, saving time and money while also increasing bandwidth to chase more opportunities without sacrificing accuracy.