

## Smart Data for North America:

- Comprehensive set of 750,000+ wells in U.S. Lower-48 and 250,000 wells in Canada, including every oil or gas producing entity, spud and permit brought on stream since 2001
- 165+ attributes plus monthly production volumes for each individual well record
- Includes well descriptors and proprietary performance benchmark classifications and calculations, in addition to well permits, spuds and completions
- Comprehensive, play-level production files offering monthly production rates for oil, gas and water
- Robust and customizable Spotfire® or Tableau® templates to derive rapid and reliable insights and save countless hours categorizing and organizing raw data
- Cloud access provides the most robust dataset including forecasted production consistent with reserve calculations for 35 years enabling clients to produce life-of-well type curves

# Performance Evaluator

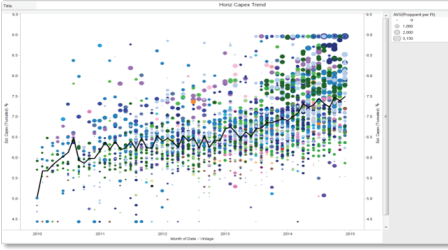
Perform customized analysis to dissect, screen and benchmark North American oil and gas assets

Performance Evaluator provides comprehensive coverage of North American oil and gas production, beginning with IHS Markit North American well data, the gold standard for industry. Our interpretation-ready dataset has been developed by our team of experts, logging thousands of hours of real-time analysis with trusted customers in the E&P, oilfield services and financial sectors. Its custom-created library of metadata saves your team valuable time typically spent categorizing, normalizing, and organizing raw data.

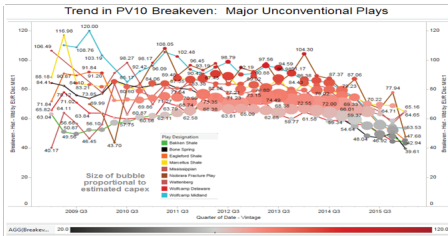
## Unmatched, analysis-ready data enables you to:

- Map and investigate plays, regions, and customizable well groups across multiple dimensions, including:
  - Full 14-digit API numbers – available only from IHS Markit
  - Actual lateral length and measured depth, calculated from digitized well surveys
  - Completion information providing proppant volumes by type, fluid volume, stage count, perforation method and treatment company
  - Play designations for all wells on ~200 plays in North America
  - Permian producing reservoirs, derived from IHS Markit PRODFit (Producing Formation from Interpreted Tops)
  - Fully cleaned operator names, classified by type
- Understand relative and absolute well productivity at all levels of granularity
- Evaluate performance and analyze key trends over time
- Benchmark well, asset, company and portfolio performance against competitors
- Screen and proactively identify opportunities quickly and efficiently
- Analyze production curves for oil, gas, and water using monthly data

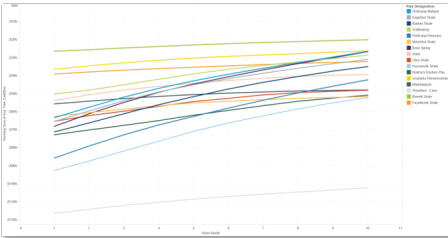
## Smart data for enhanced visualization



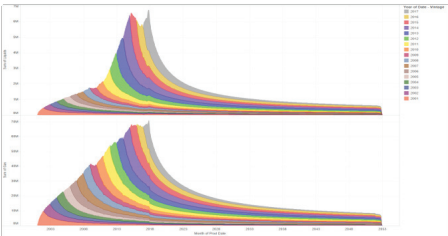
Look at trends in capital expenditure across time as well designs change



Compare profitability across plays



Identify how long it takes to become cashflow positive



See production from start of historical to end of forecasted period

## Gain additional insight with the Reserves & Economics Module

- The Reserves & Economics Module contains four critical elements – Historical Cash Flows, Notional Capital Costs, Reserves, and Economics
- Mechanically generate reserve estimates per well
- Estimated capex, PV10 breakeven prices, and high-level cash flow stream

## Understand play dynamics, operators, and assets

- Forecasted Production
  - What is the PDP? (by play, operator, bench, etc.)
- Distribution of well quality
  - How do asset areas for companies X and Z compare?
- Representative economics by well
  - Is profitability improving? Why?
- Play productivity trends
  - How are well design, learning and migration evolving for different areas and operators?
- Underperformance/overperformance relative to neighbors
  - Are there poor operators in good areas?
- Operator portfolios
  - Which areas are core to Operator X?
- Custom analysis through intelligent data filtering on key attributes
  - Geospatial characteristics, owner/operator, oil/gas mix, play and sub-play, well completion information, time/vintage, well performance/productivity, well technical characteristics and more

For more information [www.ihsmarket.com](http://www.ihsmarket.com)

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## About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.