whitson

Basin-Wide EOS Models

Built on $10 million of PVT data

Single-well PVT studies are costly—around $50K each—and offer only a limited snapshot of your reservoir's complexity. Relying solely on these localized studies can leave critical gaps in understanding, slowing down accurate reservoir evaluation and decision-making.



Our validated basin-wide EOS models overcome these limitations by integrating hundreds of lab-measured samples from every major North American basin. This comprehensive approach delivers full-field accuracy without the recurring expense of multiple localized lab tests.

- Saturation pressures
- FVF — Formation Volume Factors
- Solution GORs/CGRs
- Densities
- Compress-ibilities
- Viscosities

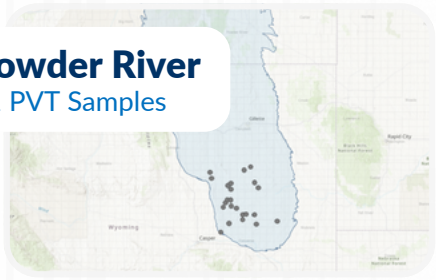
The Result?

A powerful upgrade for phase envelopes, fluid composition, black oil tables, and shrinkage—while improving FMB and NRTA reliability, simplifying history matching, and delivering more dependable forecasts.

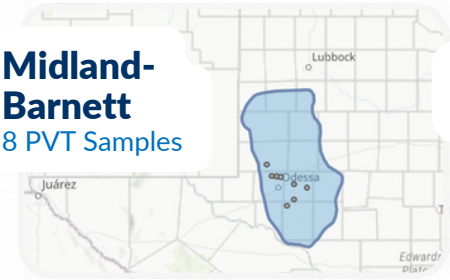
Every Major Basin. Every Fluid Type.

Think of our basin-wide EOS models as a “PVT correlation on steroids”—meticulously tuned to over 500 high-quality lab-measured PVT samples from every major North American basin and covering all fluid types: black oils | volatile oils | near-critical fluids | gas condensates | wet gases | dry gases. Backed by top-tier operators, these models offer basin-wide coverage you can trust.

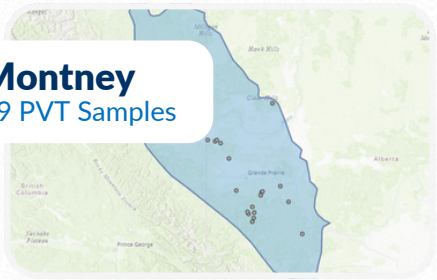
Powder River
21 PVT Samples



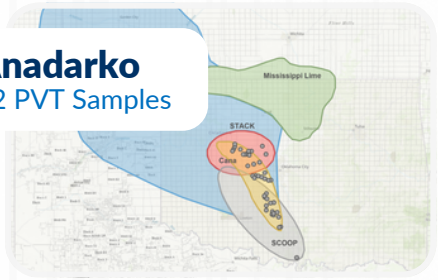
Midland-Barnett
8 PVT Samples



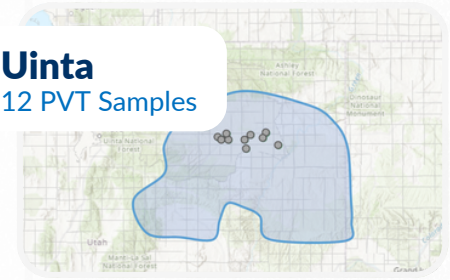
Montney
69 PVT Samples



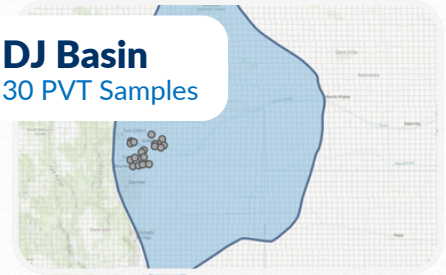
Anadarko
52 PVT Samples



Uinta
12 PVT Samples



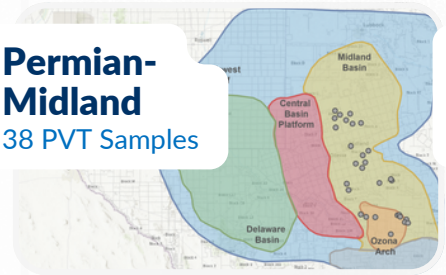
DJ Basin
30 PVT Samples



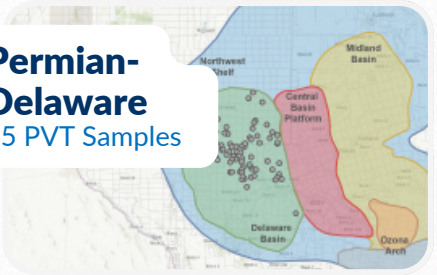
Bakken
122 PVT Samples



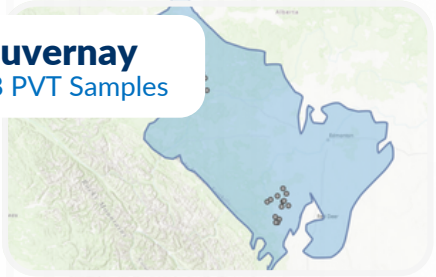
Permian-Midland
38 PVT Samples



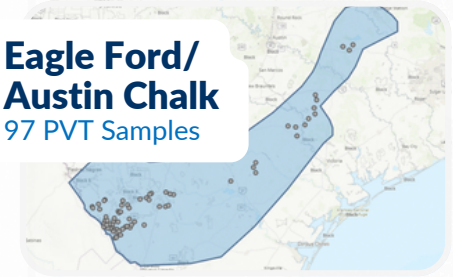
Permian-Delaware
95 PVT Samples



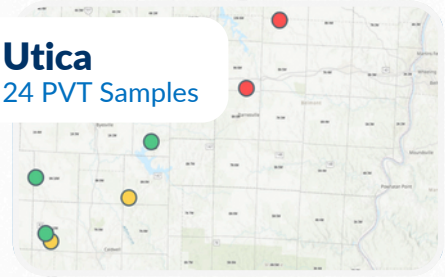
Duvernay
28 PVT Samples



Eagle Ford/ Austin Chalk
97 PVT Samples



Utica
24 PVT Samples



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CAMINO · DIAMONDBACK ENERGY · Marathon Oil · HESS · whitson

ENERGY · Ovintiv · PIONEER NATURAL RESOURCES · Continental RESOURCES · COTERRA · bpx · REPSOL · SM ENERGY