

Smackover Play

Lithium brine basin resource report



Applications

- Regional-level basin screening as a first step to detailed subsurface modelling
- Quick identification of potential acreage positions
- High-grade prospects with lithium sweet-spot mapping
- Data-gap identification and acquisition strategy

Features

- Analysis for a 27,080-mi² area across Arkansas and Texas
- In-place lithium volumes
- Porosity-to-depth curves
- Depth structure maps
- An ability to increase resolution for field development planning

This 3D basin model report for the Smackover Play in Arkansas and Texas provides a static model of the estimated lithium resources in place to help accelerate the exploration, extraction, and production of lithium. The 3D lithium brine resource model was built using available data such as well logs, wireline porosity logs, temperature, geochemical data; including lithium concentration measurements and historic basin evolution information.

How it improves performance

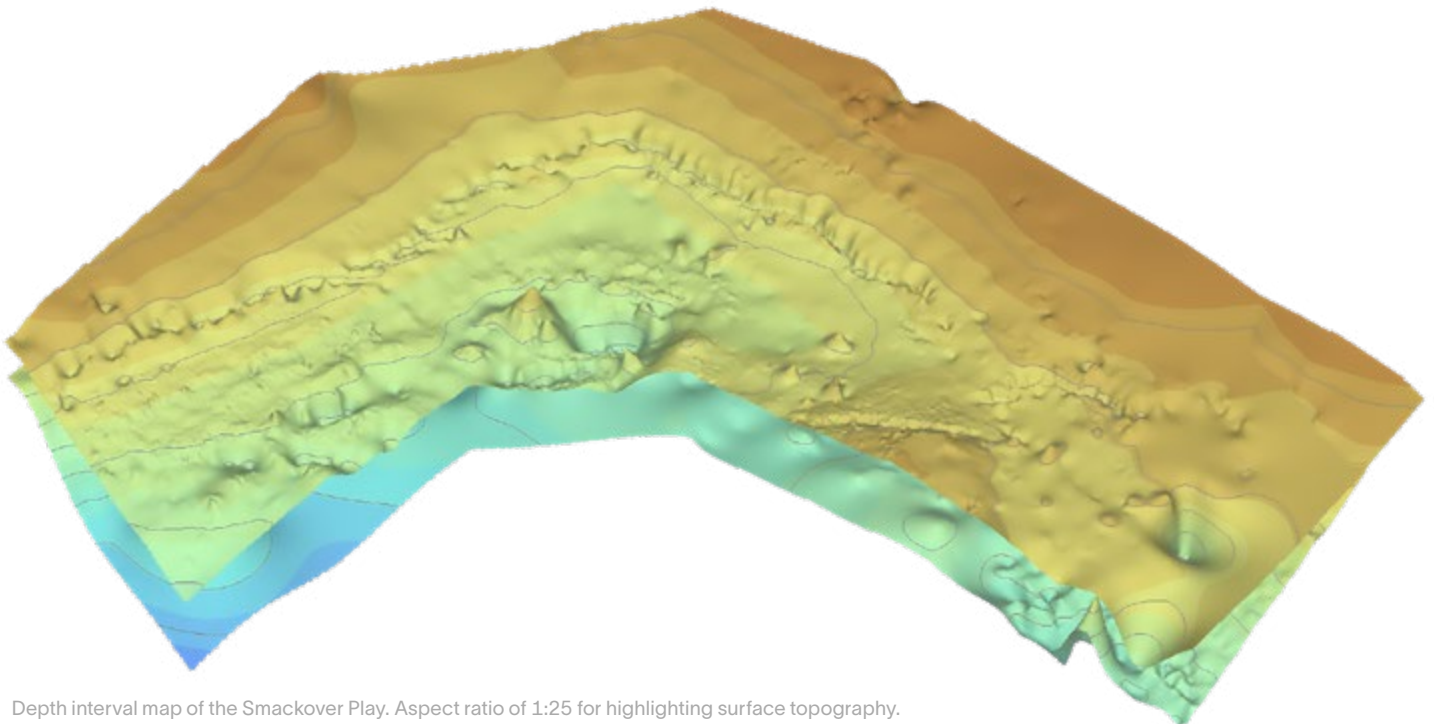
- Review interpreted work by subsurface experts vs spending time collecting and consolidating data and building initial models
- More accurately assess the value of acreage
- Optimize scope for due diligence in resource assessments

Additional information

The basin model was built using the SLB Petromod™ basin modeling software to reconstruct the evolution of the Smackover sedimentary basin, particularly the porosity cube for the lithium-bearing brine reservoir and to calculate the brine volume in place.

This report is available for purchase.

For further refinement, higher resolution, or dynamic versions of this model—or to build your own lithium-resource-in-place models using your proprietary data—contact one of our subsurface experts.



Depth interval map of the Smackover Play. Aspect ratio of 1:25 for highlighting surface topography.