

CONNECT-DynaRank

Kelkar & Associate is happy to announce that CONNECT-DynaRank is now available for download (purchase/lease) at the [Ocean Store \(www.ocean.slb.com\)](http://www.ocean.slb.com)

What is CONNECT-DynaRank?

CONNECT-DynaRank is an efficient program to rank multiple static models based on dynamic criteria. The program evaluates the dynamically connected volume of each model after efficiently calculating 3D propagation time distribution. This distribution shows a direct reflection of model's heterogeneity while the dynamic volume shows strong linear relationship with the recovery.

Conventionally, dynamic model is selected from multiple static models based on the ranking of hydrocarbon in place of each model. However, this criterion may not necessarily reflect the dynamic performance of the model. Ranking based on connectivity is difficult to do as it requires flow simulation. CONNECT-DynaRank breaks this difficulty by providing connectivity without flow simulation.

Learn more.

You can learn more by watching the video presentation on CONNECT-DynaRank, found on its product site on the ocean store, or by going through the documentation found under Additional Information.

You can also go to www.kelkar-and-assoc.com and watch a very informative presentation on *Efficient Transformation form Static to Dynamic Model*.

Contact us.

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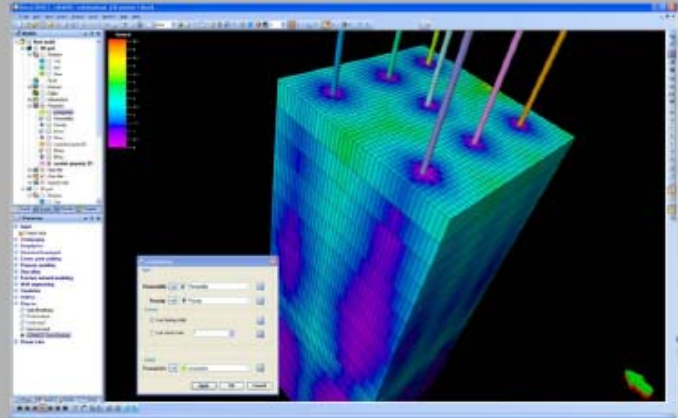


CONNECT - DynaRank

Kelkar and Associates announces new PETREL Plug-In : **CONNECT-DynaRank**

Background :

- Uncertainty quantification is one of the key aspects of reservoir modeling.
- Generation of multi-million cell geo-cellular models is common.
- Due to flow simulation limitations, only few of these models are upscaled and ultimately used for predicting uncertainties in future performance.



Highlights :

- Efficient methodology for ranking geo-cellular models, which captures **dynamically connected volume**, in fine scale models.
- Even 50 million cell models can be analyzed in minutes.
- Applicable with PETREL's Uncertainty Analysis Workflow to determine P10, P50 and P90 models.
- Ranking is consistent with flow simulation results.
- Applicable to evaluate drainage volume in shale reservoirs to optimize in fill drilling

