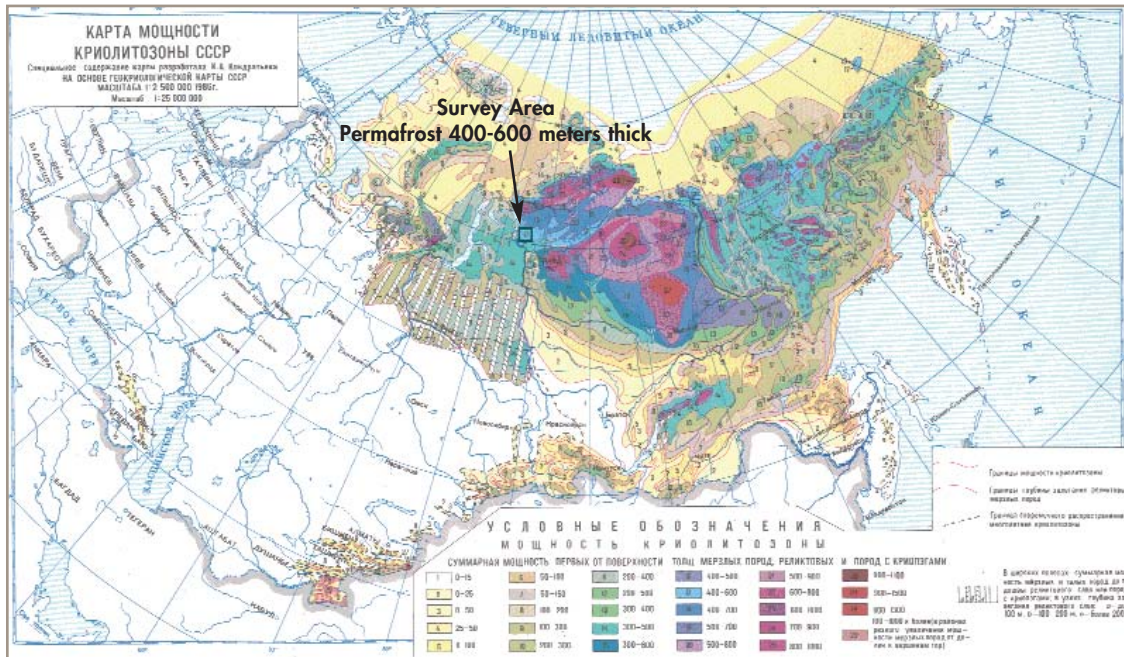




## Delineate Possible Hydrocarbons Through Thick Permafrost

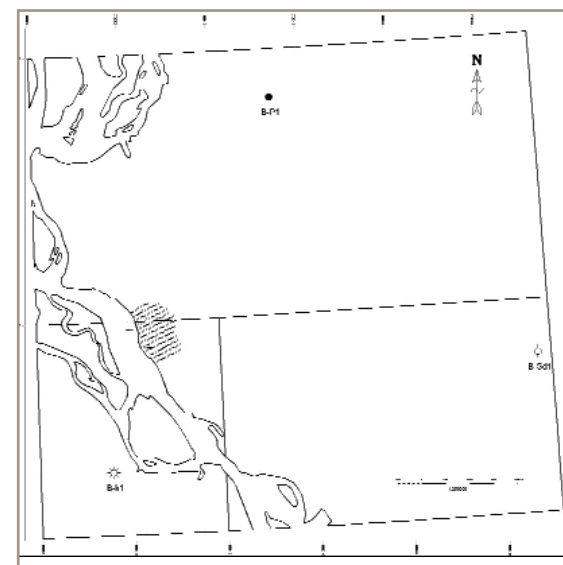
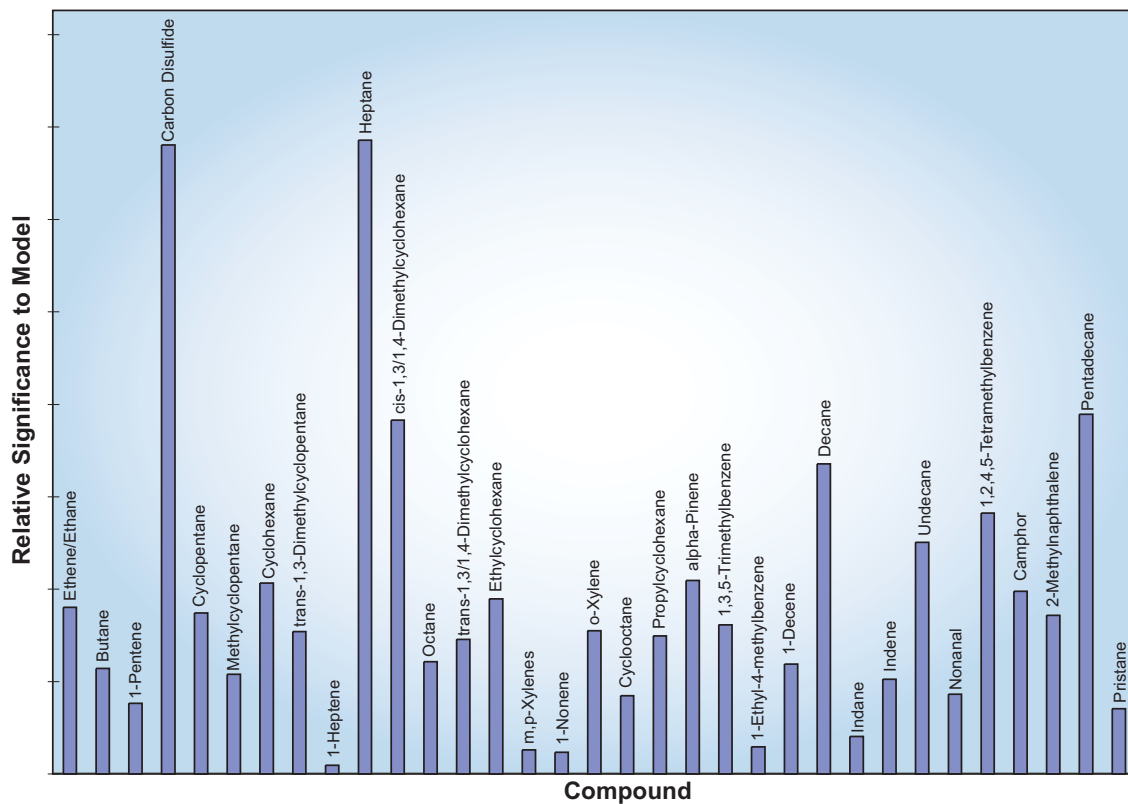
### Northern Russia, West Siberian Basin



### Geology:

#### Yenisei River Valley

- Basin: West Siberian
- Target: Lower Cretaceous Sandstones
- Trap: Structural
- Topography: Northern Tundra, Permafrost 300 meters thick



Model well locations in relation to the survey area

### Survey Summary

- Semi-regular grid pattern with 500 meter spacing
- Total coverage of 95 km<sup>2</sup>
- 222 GORE™ module samples at 184 grid locations
- 38 GORE™ module samples at three model well sites



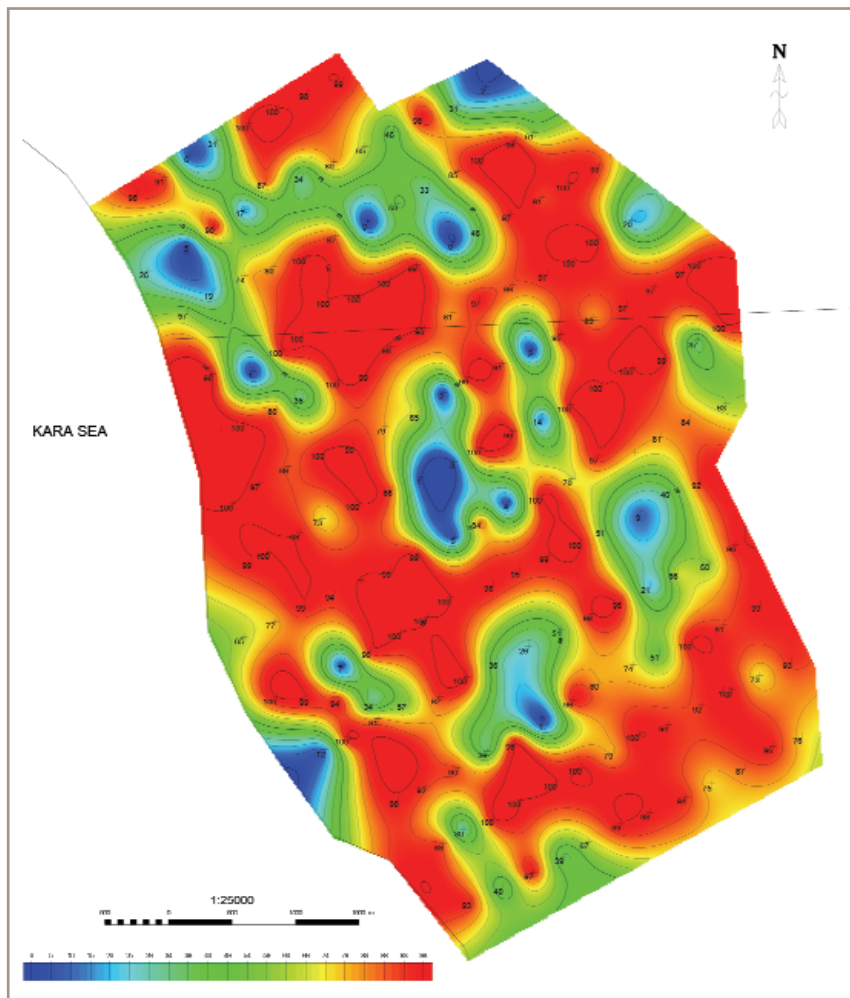


Figure 2: Gas-condensate-Like Probability Distributions

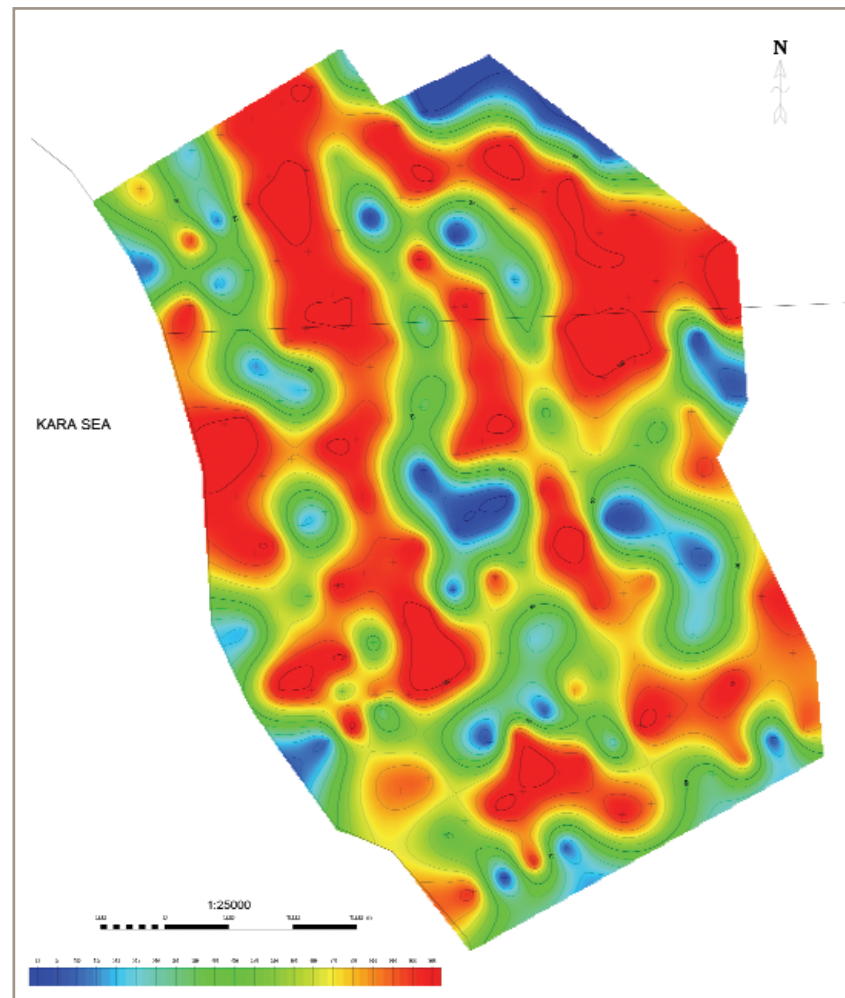


Figure 3: Oil-Like Probability Distributions

### Survey Results

- GORE™ Survey indicated several large geochemical features for both gas-condensate and oil
- The observed geochemical features correspond perfectly with the known seismic situation
- There are similarities between both geochemical models, indicating that the hydrocarbons are chemically related

**GORE™ SURVEYS** REDUCE RISK – IMPROVE SUCCESS.



[www.gore.com/surveys](http://www.gore.com/surveys)

**W. L. Gore & Associates, Inc.**  
100 Chesapeake Blvd.  
PO Box 10 • Elkton, MD 21922 USA  
**Phone:** 1-800-542-3428  
1-410-392-7600  
**Fax:** 1-410-506-4780

**SALES OFFICES:**  
**Europe:** +49-89-4612-2198  
**Houston:** 1-281-405-5540  
**San Francisco:** 1-415-648-0438  
**Email:** [exploration@wlgore.com](mailto:exploration@wlgore.com)

For more information on reducing risk and improving success with GORE™ Surveys, see Potter, R. W. II et al., Significance of Geochemical Anomalies in Hydrocarbon Exploration: One Company's Experience, 1996, AAPG Memoir 66, P 431 - 439.

The optimal performance of any Gore product is dependent upon how it is incorporated into the final device. Please contact one of our technical sales associates for application assistance.

GORE and designs are trademarks of W. L. Gore & Associates  
© 2005 W. L. Gore & Associates, Inc. 060105.5 06/05 msn