CONTROLS ON DOLOMITIZATION OF THE UPPER ORDOVICIAN TRENTON LIMESTONE OF SOUTH-CENTRAL KENTUCKY

Collin J. Gray1, Dr. Katherine A. Giles1, Dr. Richard Langford1

Department of Geological Sciences, University of Texas at El Paso, El Paso, TX, 79968

Highly variable results may be refined

I. Increase in caliper
II. Increase in NPHI and DPHI
III. Clean Caliper

Petrophysical Traits:

- Lime mudstone
- Fenestral Porosity in a clean

Clay's Ferry Wells Creek Undifferentiated Wells Creek

Fuel resources map of Kentucky: Kentucky

Appalachian forelend focused on northern regions of the

Current exploration efforts are

Lack of bailout zones for uphole

Secondary porosity is common in dolomitized zones

Part of the reservoir development in New York and Ohio

Why?

Determination of salinity and temperature of entrapment

Why?

Butterfly during the Late Ordovician,

δ13C of the Bulk Density

Why?

Sponsors

References

Acknowledgements

Sponsors

West Bay Exploration Co.