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**Tea Pot Dome, Wyoming**



# Geothermal Energy Categories

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## Electricity

Binary Fluids ( 195-300°F)  
- Coproduction

Hydrothermal > 300°F

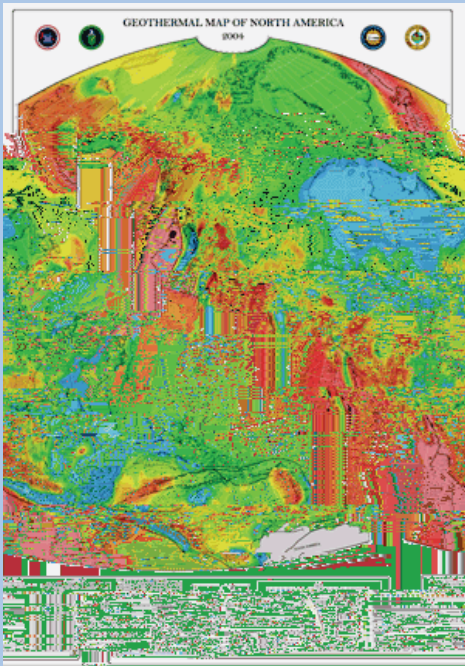
EGS > 300°F  
- Sedimentary Basin  
- Hot Dry Rock  
- largest projects

Geopressured

# Timeline of Geothermal - Oil & Gas Focus

1975 Texas Geothermal Resources Act written

1989 First Geopressure



2009 Texas H.B. 4433 Hydrocarbon Tax Exemption from Severance Oil/Gas Tax for Geothermal Wells

2009 RPSEA.org awards project to Gulf Coast Green Energy and Denbury Resource in central MS

2009 DOE Geothermal Technologies program funds projects in ND, TX, LA

2010 Oregon Institute of Tech. powers-up with PWPS PureCycle®

2010 DOE Geothermal Low-Temperature "Road Mapping" plan established

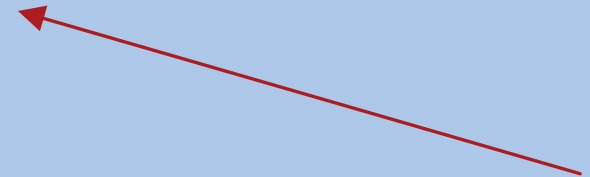
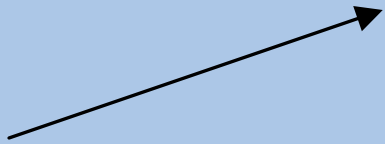
2011 North Dakota research project compares all current binary technologies for oil field settings and presents at SMU Geothermal Conference in June.

2012 New National Geothermal Database System includes all of Texas RRC O/G data for geothermal projects.





# Extending the life of an oil/gas fields



Geothermal development in O/G fields is right on target!

Currently experimental in US, Australia, Germany, & UK



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The Future is UP      OU!