## "Nonconventional" geothermal power



- Unique and successful set of project developments:
  - utilization of co-produced fluids
  - geo-pressured hybrid technology





	Physical Data  BTU cu.ft. ideal =  BTU cu.ft. real =  BTU/lb, ideal =  (Density) Sp. Gr. Ideal =  (Density) Sp. Gr. Real =
Dew Point (Water Content) Calculation. ASTM D 1142	Density lbm/(1000 ft³) =









### "Geopressured Hybrid"



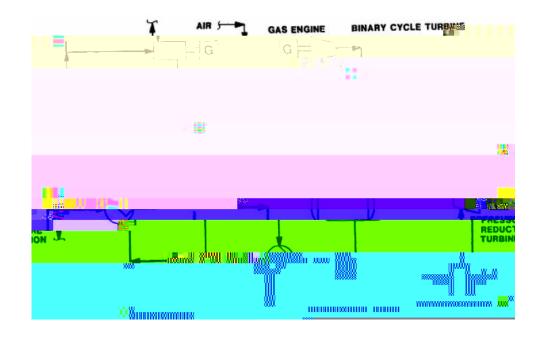
- Been there Done that…
  - Late 1980s, Ben Holt Co. designed, built, and operated a demo plant
  - Pleasant Bayou geopressured resource
- The power plant operated successfully...
  - Electricity could be generated from geopressured resources

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# "Geopressured Hybrid"





## "Geopressured Integrated Hybrid"



TAS ENERGY - Developments in the Gulf Coast Region...

- Binary w/ "Un-separated mixed hydrocarbons" HEX
- Recover waste heat from engine exhaust & jacket water
- Substantial efficiency improvements
- Nominal 3.5 MW Integrated Hybrid Cycle (25,000 BPD)

### Conclusion



### Generating electricity from multiple energy streams

- Reduces overall project expenses
- Reduces or eliminates CO2 emissions
- Decreases operator dependency on the local grid

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## Questions

