

"Nonconventional" geothermal power



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

"Un-separated mixed hydrocarbons"



"Un-separated mixed hydrocarbons"



Physical Data
BTU cu.ft. ideal =
BTU cu.ft. real =
BTU/lb, ideal =
(Density) Sp. Gr. Ideal =
(Density) Sp. Gr. Real =
Density lbm/(1000 ft³) =

Dew Point (Water Content) Calculation.
ASTM D 1142
(14.7 psia 60°F Base)

"Un-separated mixed hydrocarbons"



"Un-separated mixed hydrocarbons"



"Un-separated mixed hydrocarbons"



"Un-separated mixed hydrocarbons"

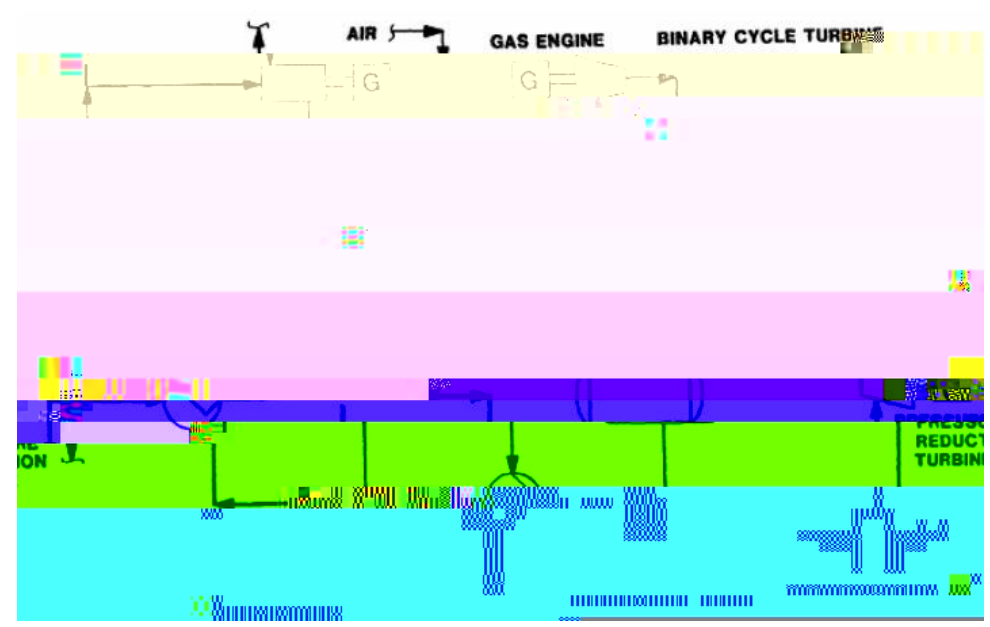


"Geopressured Hybrid"



- 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)

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



