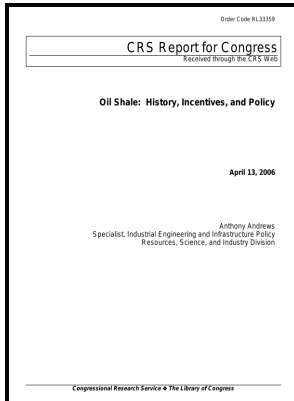


# Theoretical Consideration of Heat Transfer in the Gas-Flow Oil-Shale Retort.

s.n - Pyrolysis of sewage sludge by solid heat carrier



Description: -

-Theoretical Consideration of Heat Transfer in the Gas-Flow Oil-Shale Retort.

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## 6 Processing of Energy and Natural Resources

In alternate embodiments, carbon dioxide may be injected under pressure into the portion of the formation. Alternatively, the produced synthesis gas may be used for production of methanol, gasoline and diesel fuel, ammonia, and middle distillates.

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The van Krevelen diagram shows the maturation sequence for kerogen that typically occurs over geological time due to temperature and pressure. In certain embodiments, a heat source of a desired length may be assembled proximate the oil shale formation.

## 6 Processing of Energy and Natural Resources

Coal Pyrolysis and Methane Decomposition In the Presence of a Hot Char Bed, Peters et al. A number of approaches to these goals appear to hold promise for success in the next few decades. Oxidizer pumped into the formation may flow through the formation along fracture lines in the formation.

### Investigations on oil shale particle reactions

A gas may be provided to the selected section of the formation. Heat provided to pyrolyze hydrocarbons within the formation may also be used to generate synthesis gas.

## 6 Processing of Energy and Natural Resources

The method of claim 8, wherein at least 20 heat sources are disposed in the formation for each production well. An embodiment of a system and method for heating an oil shale formation may include a conductor placed within a conduit e.

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The first problem is to achieve microscopic recovery efficiency to displace the oil from the rock matrix and cause it to flow through the formation along a specific pathway. Coal gasification research and development have concentrated on handling of solids, problems with ash, and dealing with the sulfur and nitrogen compounds present in coal.

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In *Take Me Home*, Cash is in New York only for the paycheck from a quick modeling job. Heat from the heat transfer fluid may transfer heat to the selected section. In some embodiments, hydrogen may be allowed to transfer into the reaction zone.

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