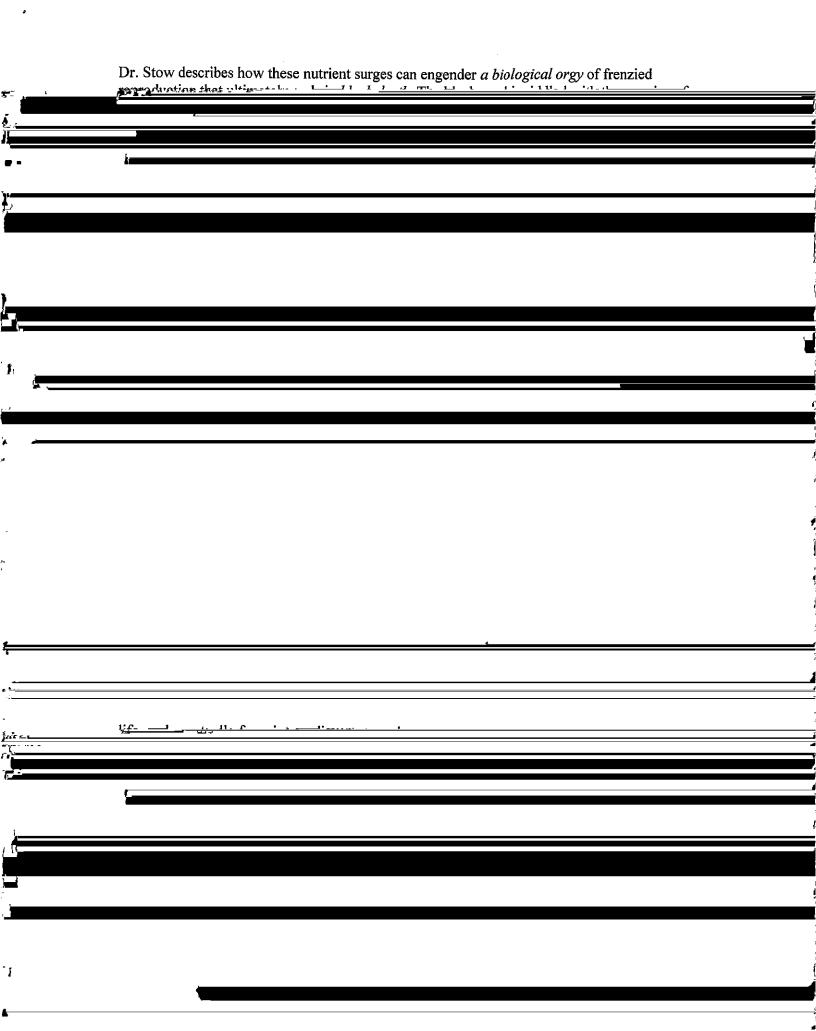
Tracing Oil Reserves to Their Tiny Origins By WILLIAM J. BROAD The New York Times Reprints August 2, 2010

In 1913, as the automobile zoomed into American life, The Outing Magazine gave its readers a vignette describing the death of old Colonel Stegosaurus Ugulatus, the article explained that

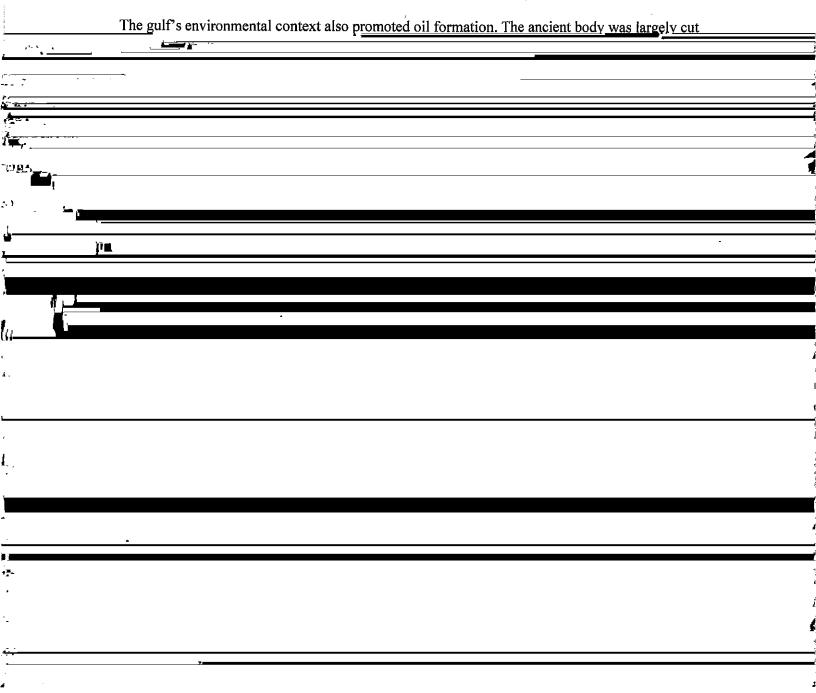
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	Some of the ancestral waters that made the planet's oil still exist, like the Gulf of Mexico, while others have long vanished, like the ocean that produced the massive oil fields of the Middle East. The bodies come and go because the earth's crust, through seemingly rigid, actually moves a
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He said the flow was so heavy that the growing accumulations keep pressing the lower sediment layers deeper into the earth, forcing them into hot zones where the organic material got transformed into oil. The process involves a long series of chemical reactions that slowly turn life molecules into inanimate crude.

"The gulf has miles and miles of sediments," he said. "So that gets the source rocks down into the kitchen where they cook."

The standard temperature for oil formation is between 120 and 210 degrees Fahrenheit. The earth gets increasingly warm with increasing depth, the temperature eventually rising so high that rocks melt (and occasionally remerge at the surface in volcanic eruptions).



"It's always been restricted," said Dr. Galloway of the University of Texas. "One reason it works as a major world-class resource is that it's been mostly isolated from the world's oceans."

