

**Title:**

**A New Improved Process for Processing Oil Shale Ore into Motor Ready Fuel Products**

**Abstract:** (Your abstract must use 10pt Arial font and must not be longer than this box)

Senior engineers at Combustion Resources Inc. have studied the processes proposed, piloted and operated in the past, for the above-ground processing of oil shale. This has lead to the development of a new patent-pending process that mitigates many of the problems encountered in past work. This process incorporates new features that result in lower capital investment, simpler design, sequestering of carbon dioxide, and new refinery capacity and hydrogen needed for shale oil upgrading. Most of the process steps have been proven in other industrial applications including, (1) gasification of low cost coal to provide plant fuel and hydrogen for on-site oil processing, 2) The use of simple off-the-shelf indirect-fired rotary kilns for processing the shale ore under controlled conditions. (3) Heavy oil up-grading. (4) Essentially all the Carbon Dioxide is recovered for oil well service and other uses. A detailed process design package is being prepared for a 200 BPD pilot plant. Capital investment and cost studies have also been made that show a plant as small as 6000 BPD can generate a reasonable return on investment.

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