

The EGL Oil Shale Process*

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It is a well documented fact that the Green River oil shale deposits in northwest Colorado, southwest Wyoming and eastern Utah contain on the order of 1.5 trillion barrels of shale oil in place. It has also been demonstrated that we have the technology to recover this oil. Government and industry are currently embarking on a carefully and thoughtfully designed program to determine an efficient and environmentally acceptable method of recovering this oil in a timely and economic manner.

EGL believes that the prudent development of the Green River oil shale resources will play a critical role in reaching the objective of:

- 1) Providing energy necessary not only for our economy, but for national security as well
- 2) Creating tens of thousands of jobs in America
- 3) Improving our trade and budget deficits
- 4) Providing long life, domestic oil production to help us bridge the transition from an economy heavily dependent on non-renewable hydrocarbons to an economy based primarily on renewable energy sources

EGL also believes that "approach is equally as important as the objective". This paper lays out how EGL, through its "closed system", in situ heating process, utilizing horizontal heat transfer piping combined with multiple vertical production/heat conduction holes plans to arrive at a method of oil recovery, optimizing a combination of design and technology that:

- 1) Works with natural physical properties and processes
- 2) Minimizes the impact on the environment
- 3) Minimizes the use of water, and the impact on ground water
- 4) Minimizes the release of greenhouse gases and other undesirable byproducts
- 5) Maximizes the use of current technology in innovative ways
- 6) Maximizes product recovery and thermal efficiency
- 7) Minimizes the use of energy from external sources
- 8) Maximizes control over the process (including intended and unintended results)
- 9) Minimizes negative impacts and maximizes benefits to local communities
- 10) Maximizes the benefit to the national energy policy goal of increasing domestic oil production

11) Provides an attractive Rate of Return to investors
* Patent applied for