

### 05.3

#### **Field test results: EcoShale In-Capsule Technology**

James Patten

*Red Leaf Resources, Salt Lake City, UT, United States*

Red Leaf Resources, Inc. (RLR) has developed the EcoShale In-Capsule Technology ("EcoShale Technology") to produce high quality liquid transportation fuels from oil shale in an economically and environmentally sound manner. RLR uses low temperature convective heating of mined oil shale in the associated quarry. No contaminants are produced, CO<sub>2</sub> emissions are dramatically reduced, no process water is used, energy efficiency is comparable to conventional oil production, and reclamation is inexpensive. Early Stage development included process modelling, laboratory tests, and field testing. This paper will review the results of the field test and considerations for an advanced commercial demonstration project using the EcoShale In-Capsule technology.