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***“EORGAS TECHNOLOGY-a newly developed oil recovery gaseous technology”***

**Abstract**

EORGAS technology has unique primary, secondary, and tertiary oil recovery benefits, such as lowering Interfacial Tension (acting like a soap), increasing matrix permeability, recovering oil faster than CO<sub>2</sub> and at lower pressures, and requiring only 50% as much gas per BO recovered as compared to conventional CO<sub>2</sub>. In addition, the technology is environmentally “green” since all gases go downhole and are partially sequestered. Additionally, EORGAS can be produced on site, along with associated “green” electrical energy, by gasification, which is a process Nissan Chemical (Japan) already employs to make CO.

EORGAS technology appears ideally applicable to EOR for shale oil projects to increase total oil recovery by increasing matrix permeability and operating at low pressures under a Huff-n-Puff approach and for small existing sub economic waterfloods to increase oil cut.

**Our Presenter**

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Dr. Trost has 38 years of oil and gas exploration, production and operating experience. He was co-founder of an enhanced oil recovery company (SURTEK) that specializes in tertiary oil recovery operations using chemical approaches. He is the sole proprietor of Mtarri, Inc., the inventor and patent holder of EORGAS technology, has developed both SAGD and fireflood projects in Wyoming, the holder of 7 patents, and a co-inventor for production tank fugitive gas capture/ reuse system for production facilities.