“Advanced Stripper Gas Well Produced Water Remediation”

Western SynCoal LLC
Project Objectives

• RemEDIATE produced water by reducing hydrocarbon and metal salt content in the water to agricultural use standards.
• Identify technology combination requirements to make productive water resource from produced waters.
• Reduce stripper gas well operating costs by mitigating water transportation and disposal costs.
Methodology

- Use a beneficiated coal product, SynCoal, as a filter medium to remove hydrocarbons and metal salts from produced water.
- Perform tests to optimize filter size (height and diameter) and filter life.
- Field test the filters to determine treatment system maximums and ultimate limitations.
- Determine commercial potential for treatment technology.
SYNCOAL DUAL COLUMN WATER TREATMENT SKID

WELL HEAD AND WATER / GAS SEPARATOR

UNTREATED WATER INLET

TREATED WATER OUTLET

EXISTING WATER STORAGE AND DISPOSAL SYSTEM