

ABSTRACT

SYSTEM AND PROCESS FOR HANDLING HEAVY OIL RESIDUE

The processes and systems herein described enable the use of CO₂ to handle heavy oil fractions. A significant reduction in the requisite energy to maintain such a fuel in fluid form is attained. The energy reduction from herein described residue handling systems facilitate increased combustion plant efficiency and reduced CO₂ emissions. The residue handling system is useful in refineries, power generation plants and other processes utilizing heavy oil residues as a feed.

Fig. 1