

عنوان مقاله:

Corrosion Inhibition of Carbon Steel in SULFIRAN® Process

محل انتشار:

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خلاصه مقاله:

In this investigation, attempts were directed to study the inhibitive effects of nitrite and phosphate base inhibitors for the carbon steel alloy samples, which are used in an acid gas treatment process (The SULFIRAN® solution), in Fe-EDTA solution. Electrochemical techniques, i.e. polarization curves and electrochemical impedance spectroscopy (EIS), were used to evaluate the inhibition efficiency. Linear polarization resistance (LPR) and weight loss techniques were also used to determine the corrosion rate for the pilot tests. The results indicated that adding inhibitors reduced) corrosion rate to some suitable values

کلمات کلیدی:

SULFIRAN® Process, Iron Chelate Solution, Corrosion Inhibition, Carbon Steel

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