



Oxidative Removal Of Hydrogen Sulfide From Kurdistan Region - Iraq Crude Oil

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ABSTRACT

Hydrogen sulfide is a very dangerous, toxic and corrosive gas. Hydrogen sulfide should be removed from the crude oil to reduce the environmental pollution, protect the health of drilling workers and prevent corrosion of pipelines and equipments. Removal of hydrogen sulfide (H_2S) has been achieved from different types of crude oil from Shiwashouk and Kormalah fields Kurdistan region- Iraq, by using of (H_2O_2/NH_4OH and $FeCl_3/EDTA$) mixtures. The results revealed that there is tremendous decrease in sulfide concentration when used ($FeCl_3/EDTA$) mixture. Also, the effect of time on H_2S removal attempted using different percentages of $CuCO_3$ (1 and 2) %.

Keywords: Hydrogen sulfide, oxidation.
