

# Introduction

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## General Introduction

Worldwide, oil is the most important energy source of our time. Currently in a world whose population continuously increase with the legitimate wishes for these people to improve their lives. Today, he looks over time a renewable energy source that can replace oil is an exhaustible energy to substitute economically in spite of the appearance of nuclear energy, which sometimes presents a great danger on the human being and the future of the earth. Indeed hydrocarbons remain for a long time and may be the most efficient energy.

To recover hydrocarbons survey is the only way to reach the tank and extract oil with the most minimum cost possible and in the best safety conditions.

The oil well drilling technology and gas requires the use of a complex modern equipment and tools, and a large amount of materials, pipes, cement, chemical reagents etc..

The rig is a complex of equipment including machines and mechanisms linked to accomplish a clearly defined function: drilling a well.

This installation requires increased maintenance and security return on investment and make the most of this facility.

Drilling itself has a service life; and performance and profitability are starting to decrease, which requires maintenance to restore its original performance or at least closer to a profitable production.

This maintenance drilling level is called "Workover" is the topic of my graduation memory.

The workover is a set of techniques and operations that will enable us to maintain an acceptable and profitable production threshold in the long term.