

Crude Oil Refining Unit

Capacity

14,000 barrels per day

Years in operation

17 years

Products

Jet (aviation) fuel
Residual oil
Diesel
Kerosene
Naphtha
Liquid petroleum gas
Butane mix

Major Equipment

Oil-water separator
Desalter
Preflash Column
Side columns
Fractionating column
Interchangers
Light ends column
Superheater



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BRIEF PROCESS DESCRIPTION

The crude oil is first heated with water to remove inorganic salts, suspended solids, and water-soluble trace metals. The water is removed from the oil and treated through a settling process and an oil-water separator before discharge. The refining process then begins as the crude oil is sent to a pre-flash heater and then an atmospheric distillation tower for separation into residual oil, diesel, kerosene, naphtha, and liquid petroleum gas (or butane mix). The lightest gases, known as refinery fuel gas, coming off the top of the distillation tower will be used as fuel in the heaters and boilers at the refinery.

CONTACT US FOR MORE DETAILS