

Gas Treatment Plant

Process and Compression, Systems Division



INDEQUIPOS ofrece desde la concepción preliminar del proyecto hasta la instalación, puesta en marcha, mantenimiento y operación de la planta. Incluyendo:

- Separation Systems.
- Low Compression Systems (VRU).
- Compression Systems in High Pressure
- Dehydration Systems.
- Conditioning Plant Dew Point.
- Stabilization Towers for Condensates.
- Packet Generation.
- Systems for Gas Sales (For delivery of dry gas in RUT conditions.)
- Revamping and Reconditioning Equipment. & M systems.
- Technical Training.

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In an oil field, oil is produced but is mixed with associated gas, water and contaminants such as hydrogen sulfide. ASSOCIATED GAS, first separated from the liquid, must be freed from its impurities and condensable. The condensate will go to a refinery process or fractionation unit for obtaining ethane, propane, butane, etc., And the raw gas will continue its way to subsequent treatments which include: acid gas removal, drying, removal of mercury, nitrogen, sulfur, amines etc. which will get a "clean gas" Direct Sales (Gas in RUT condition).

The processing consists mainly of:

Separate of the gas acidic compounds (such as H_2S and CO_2) and amines by using filters, scrubbers, separators, dehydrators, refrigeration units, and / or technologies that are based on absorption-depletion systems using a selective solvent or by using sieves molecules.

The recovery of condensates such as propane and liquefiable hydrocarbons is performed by compression (VRU) and cryogenic processes (using low temperature to condense a liquid separable by fractional distillation) before drying process to prevent formation of solids.

In liquids recovered, you get rich streams ethane, propane, butane and gasoline, which have higher value than natural gas and can be sold as raw materials specialized for petrochemical processes as well as home fuel.