



Hydrocarbon Dew Point Control Plant – 800 MMSCFD

Capacity: 414 MMSCFD (Each Train)

Raw Materials: Natural Gas

Process Information: The unit designed to treat natural gas to meet pipeline gas specification or any specific requirement for downstream utilization of the gas. (2) Trains available.

Major Equipment

- Gas-Gas Cooler, 3 pcs, plant E-100
- Low Temperature Separator (LTS), 1 pc, plant V-101
- Gas Chiller, 1 pc, plant E-101.
- Propane Refrigeration Screw Compressor Packages, Engine driven, C-100
- Propane Receiver, 1 pc, plant V-102
- Propane Condenser, 1 pc, plant AC100 A
- Condensate Cooler, 1 pc, plant AC101
- Stabilizer System, plant E-102, E-103, T-101
- Stabilizer Tower, 1 pc, plant T-100
- Glycol Regeneration Skid, 1 pc
- HMO System, 1 pc, plant H-700
- Thermal Oxidizer, 1 pc, plant TO 100
- Flare, 1 pc

*Each train shares a propane receiver, propane condensers, stabilizer skid, glycol regeneration skid, storage tanks, hot oil system, thermal oxidizer and flare.

Brief Plant Description

Used Toromont Designed, Low Temperature Separation (LTS) Unit (aka Mechanical Refrigeration Process not JT Process) Hydrocarbon Dew Point Control Plant composed of 2 identical trains, each train has the capacity to treat 414 MMSCFD of natural gas feed stock. Built in 2007. Unit designed to treat natural gas to meet pipeline gas specification or any specific requirement for downstream utilization of the gas. This process utilizes mechanical refrigeration (propane refrigeration) to chill and partially condense raw natural gas to separate out the heavier hydrocarbon components. The condensed hydrocarbon liquids are then distilled in a stabilizer distillation column to produce a pentane plus (C5+) natural gasoline condensate. To avoid hydrate formation, glycol is injected, this accomplishes dew point control of both water and hydrocarbon in a single unit.

**For more
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