WHAT'S THAT THING?

NATURAL GAS PROCESSING PLANT

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"WHAT'S THAT THING?"

NATURAL GAS PROCESSING PLANT



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HISTORY OF OIL AND GAS PRODUCTION

"Uncle Billy" strikes oil!





ONE B IN BARREL?

Barrel



WHY?

Barrels (bbls)





SPINDLE TOP

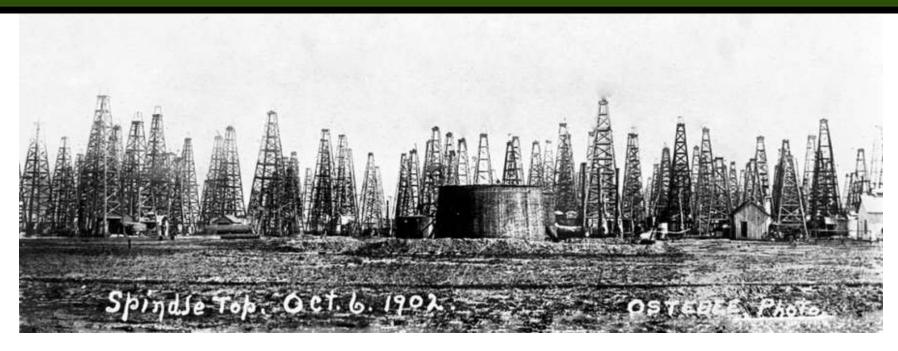


Photo is courtesy of the Spindletop Museum -- taken October 1902



Now What?

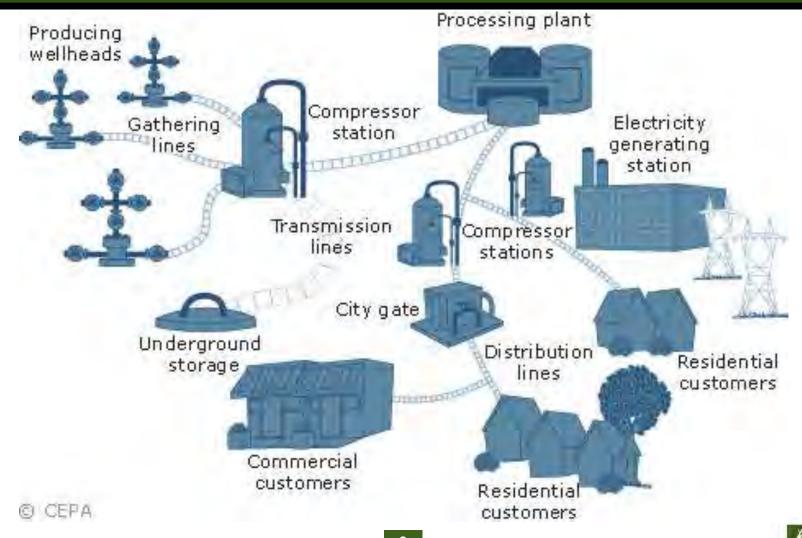




COMPONENTS OF NATURAL GAS

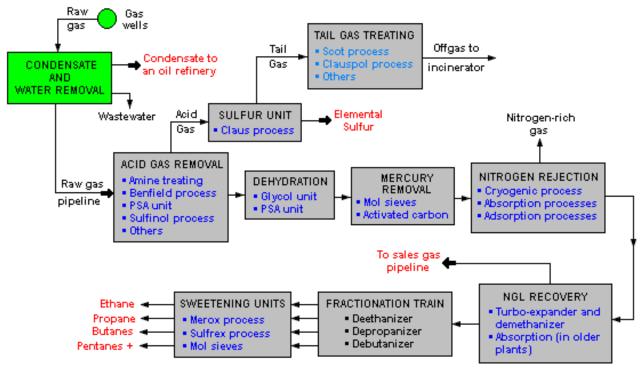


FROM WELLHEAD TO END USER



PROVIDENCE

Steps of Processing Natural Gas

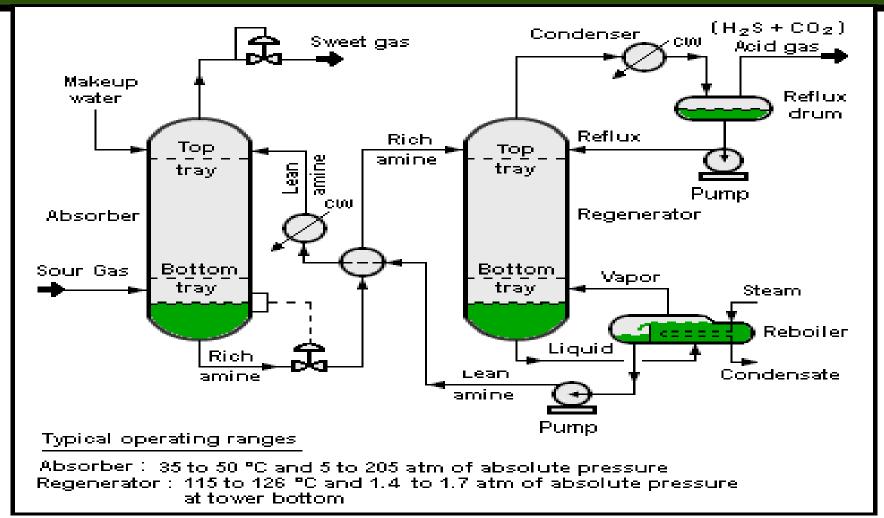


LEGEND:

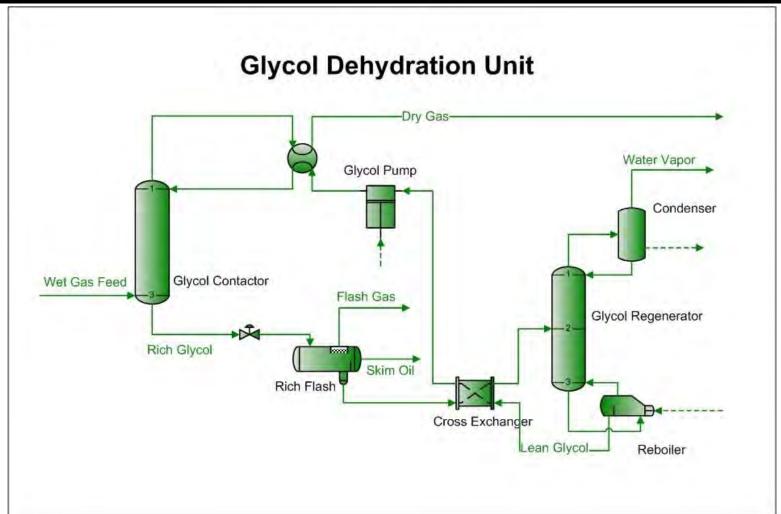
- Located at gas wells
 Located in gas processing plant
 Red Indicates final sales products
 Blue Indicates optional unit processes available
- · Condensate is also called natural gasoline or casinghead gasoline
- Pentanes + are pentanes plus heavier hydrocarbons and also called natural gasoline
- Acid gases are hydrogen sulfide and carbon dioxide
- Sweetening processes remove mercaptans from the NGL products
- PSA is Pressure Swing Adsorption
- NGL is Natural Gas Liquids



AMINE TREATING

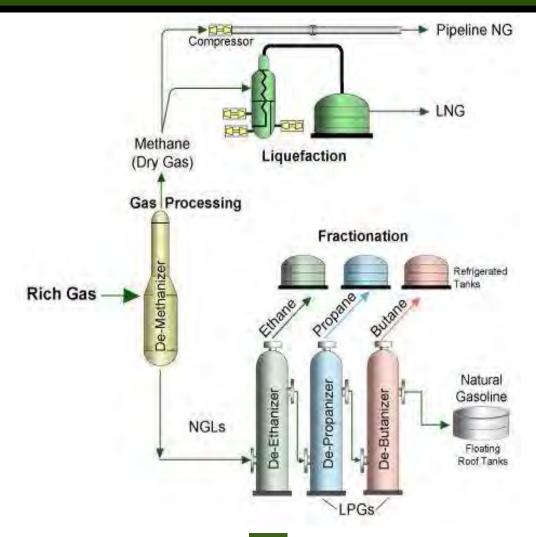


GLYCOL DEHYDRATION



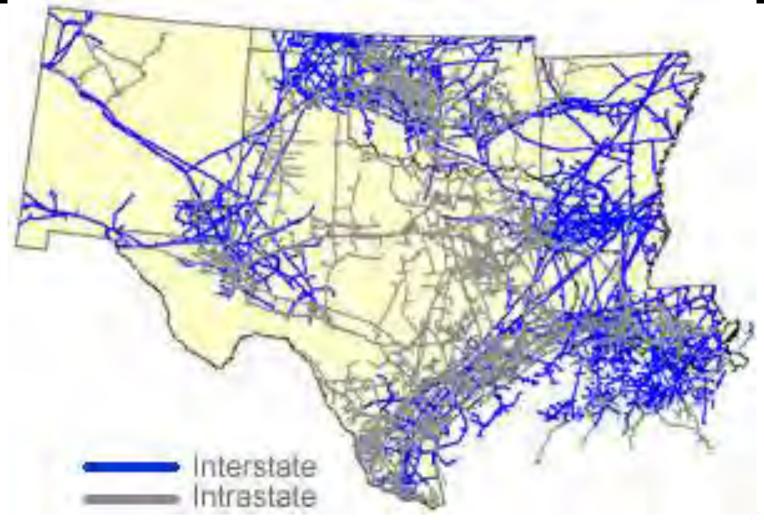


FRACTIONATION





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QUESTIONS?

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