

## Study of NGL Feed Price Calculation for a Typical NGL Fractionation Plant

**Authors :** Simin Eydivand, Ali Ghanadieslami, Reza Amiri

**Abstract :** Natural gas liquids (NGLs) are light hydrocarbons that are dissolved in associated or non-associated natural gas in a hydrocarbon reservoir and are produced within a gas stream. There are different ways to calculate the price of NGL. In this study, a spreadsheet calculation method is used for calculation of NGL price with an attractive economy of IRR 25%. For a typical NGL Plant with 3,200,000 t/y capacity of investment and operation of 90% capacity to have IRR 25%, the price of NGL is calculated 277 \$/t.

**Keywords :** natural gas liquid, NGL, LPG, price, NGL fractionation, NF, investment, IRR, NPV

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