

Nodal Analysis - Engineering Report

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Query: Nodal Analysis Results

I. Summary of Solution

Nodal Analysis Summary

Operating Point:
Flowrate (Q): 315.79 m³/hr
Bottomhole Pressure (BHP): 167.07 bar
Pump Head: 268.4 m

Extracted Parameters:
Reservoir Pressure: 230.0 bar
PI: 5.0 m³/hr/bar
ESP Depth: 500.0 m

Full LLM Summary:
Analysis complete. Data points extracted and calculation performed.

II. Operating Point

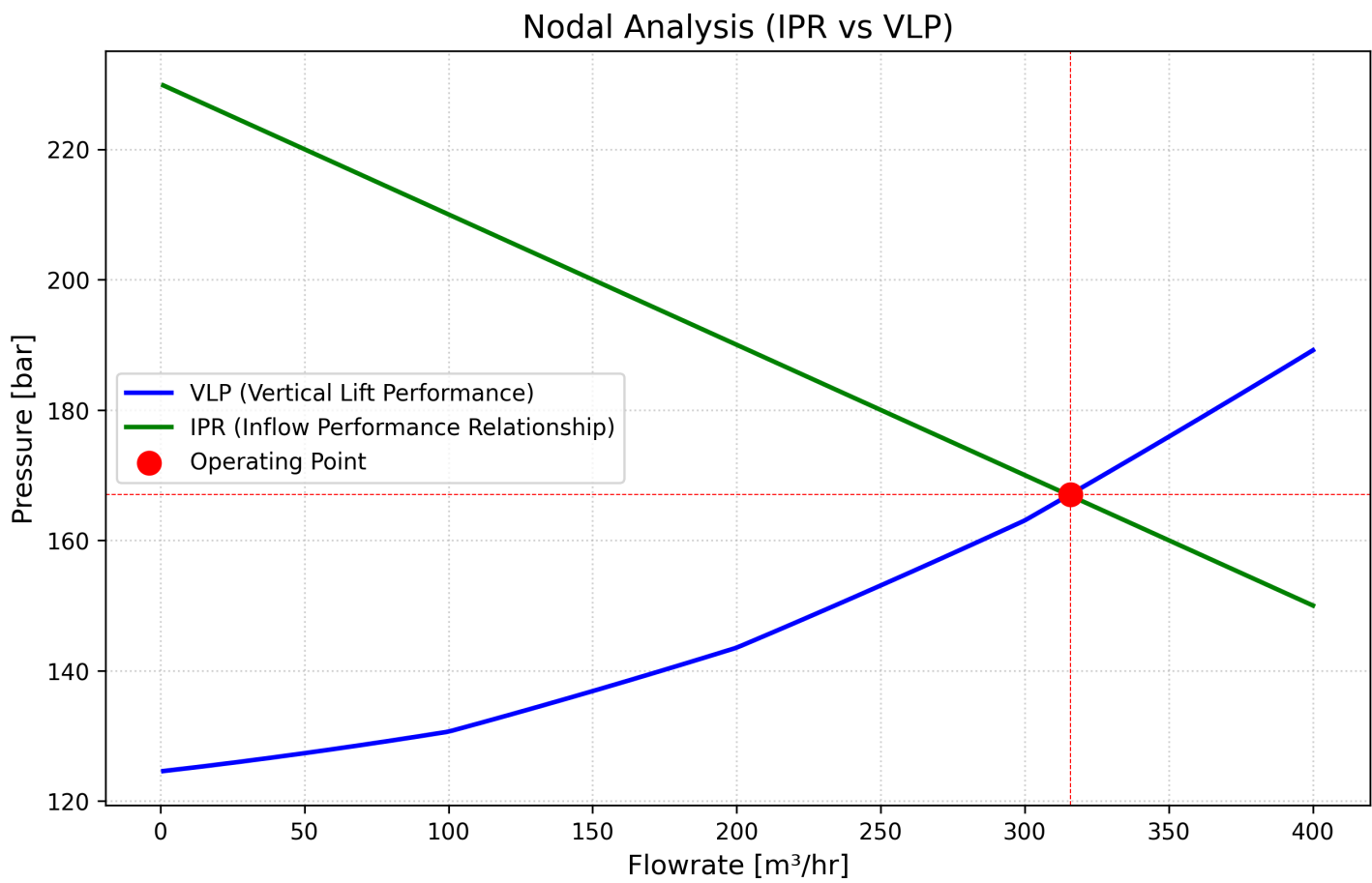
Operating Point	
Flowrate (m³/hr)	315.79
Bottomhole Pressure (bar)	167.07
Pump Head (m)	268.4

III. Extracted Parameters

Extracted Parameters	
Reservoir Pressure (bar)	230.0
Wellhead Pressure (bar)	10.0
Productivity Index (m³/hr/bar)	5.0
ESP Depth (m)	500.0
Fluid Density (kg/m³)	-

Viscosity (cP)	-
Tubing Roughness (mm)	1e-05

IV. Nodal Plot



V. Supporting Sources