

Nodal Analysis - Engineering Report

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Query: Nodal Analysis Results

I. Summary of Solution

Nodal Analysis Summary

Operating Point:

Flowrate (Q): 289.72 m³/hr

Bottomhole Pressure (BHP): 172.16 bar

Pump Head: 315.4 m

Extracted Parameters:

Reservoir Pressure: 230.0 bar

PI: 5.0 m³/hr/bar

ESP Depth: 500.0 m

Full LLM Summary:

Based on the provided context, I extracted insights across text, tables, figures, and charts to generate a concise summary for the Nodal Analysis.

ADK-GT-01-S1 well is suspended with a BPV installed in the tubing hanger, and an X-mas tree was pressure-tested to 25/270 bar for 5/10 minutes. The well's depth reference is rotary table (RT), with NAP to RT being 6.67m, and Well TD being 2358 mAH, 2060mTVD.

The most critical static parameter values are not mentioned in the provided context.

Key operating point found by calculation: None available in the provided context.

Please note that since the provided context does not contain specific data or insights for Nodal Analysis, I could not generate a detailed summary or quote exact values for key operating points or static parameters.

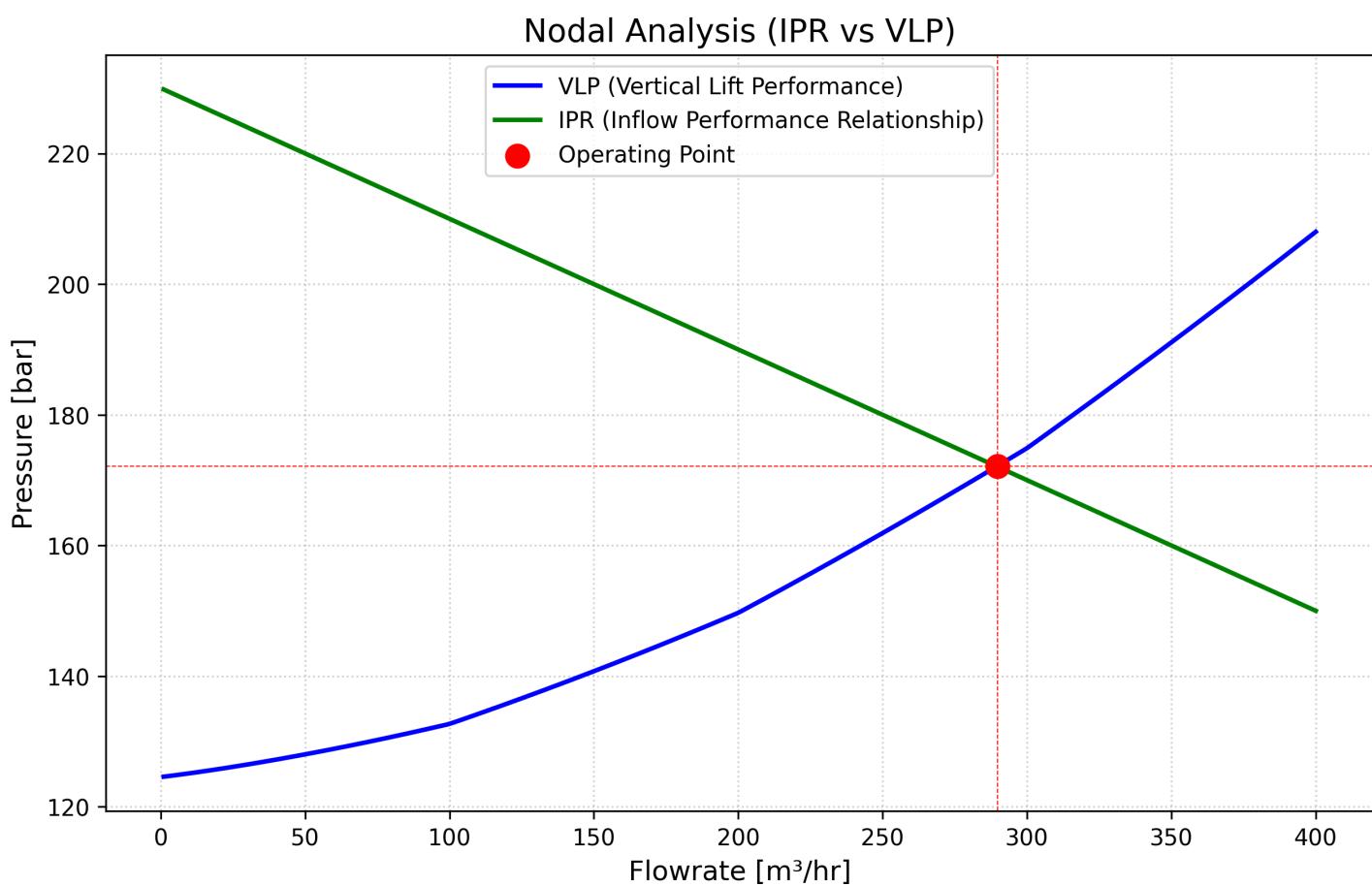
II. Operating Point

Operating Point	
Flowrate (m ³ /hr)	289.72
Bottomhole Pressure (bar)	172.16
Pump Head (m)	315.4

III. Extracted Parameters

Extracted Parameters	
Reservoir Pressure (bar)	230.0
Wellhead Pressure (bar)	10.0
Productivity Index ($\text{m}^3/\text{hr}/\text{bar}$)	5.0
ESP Depth (m)	500.0
Fluid Density (kg/m^3)	1000.0
Viscosity (Pa.s)	0.06100000000000006
Tubing Roughness (m)	1e-05

IV. Nodal Plot



V. Supporting Sources
