Change of operating pressure has impacted gas velocities in different locations of the already existing process. As a result, our client wanted VIBRATEC to assess the impact of the induced vibrations on pipeworks (piping, SBC, thermowells...) which included some upfront desk analysis and offshore vibration survey.

**Technical Approach**

- Vibration measurements:
  - Compressors inlet/outlet, anti-surge lines and coolers inlet/outlet pipes,
  - LCP thermowells,
  - Glycol pumps on train A and B,
  - Wellhead flow lines at different flow rates,
- Visual inspection of thermowells.

**Output**

- Validation of vibration levels
- Thermowell stem lengths reduction allows decrease in vibration levels
- Dampener support on glycol pumps needs improvement
- Visual inspection on thermowell flanges/necks are acceptable.

Survey Measurements - Visual Inspection - Support Efficiency - Thermowells Assessment