ENGINEERING SURVEY AND DRAWING PREPARATION

WELL GROWTH

Well has grown due to thermal expansion

DATA UNAVAILABLE FOR PIPE SIZING MEASURMENT

Previously installed piping data isn't available hence no re creation is possible from previous designs

REPLACE PIPING

Current piping must be replaced to accommodate design changes due to well growth

MINIMAL DISRUPTION IN PROCESS

Minimal disruption to ongoing processes





Challenges Faced by Shell

- Well has grown due to thermal expansion.
- To replace the old piping due to well growth, stress analysis needs to be done on new pipeline.
- No data available with Shell for existing pipeline and nozzle.

Solution Approach by Petrodia

- Analysing the well head, the process, parameters, piping, instruments used, nozzles and other process related equipment attached.
- Inspecting, pipeline tracing, equipment identification to prepare Isometric Drawings Built In.
- Recommending piping and nozzle dimensions for new piping to be fabricated and installed

Results Delivered by Petrodia

- Current and new piping dimensions provided
- Documentation will help accurately model stress analysis of the new pipe to be installed
- It is a running plant (brown field), time and cost being saved for installing a new pipeline. As Petrodia has provided accurate dimensions and analysis which will reduce downtime for the well head hence minimal production losses and cost saving for the client





