



ENSURING OUR WELLS ARE SAFE IS OUR HIGHEST PRIORITY. OUR WELL INTEGRITY ENSURES INFRASTRUCTURE DOES NOT IMPACT ON COMMUNITIES, OR THE ENVIRONMENT.

Well integrity is based on the idea that a well has no weaknesses and prevents the flow of liquids or gases from the coal seam into other rock zones or overlying aquifers.

The natural gas industry has a strong understanding of drilling and well technologies, with many wells drilled around the world each year.

Monitoring programs ensure that infrastructure remains safe and strong.

## FIND OUT MORE

View other fact sheets in the QGC activities 2017-2018 project series:

- Drilling and construction
- Wells and gathering
- Noise management
- Environmental management
- How we work with landholders

## HOW DO WE KNOW IT'S SAFE?

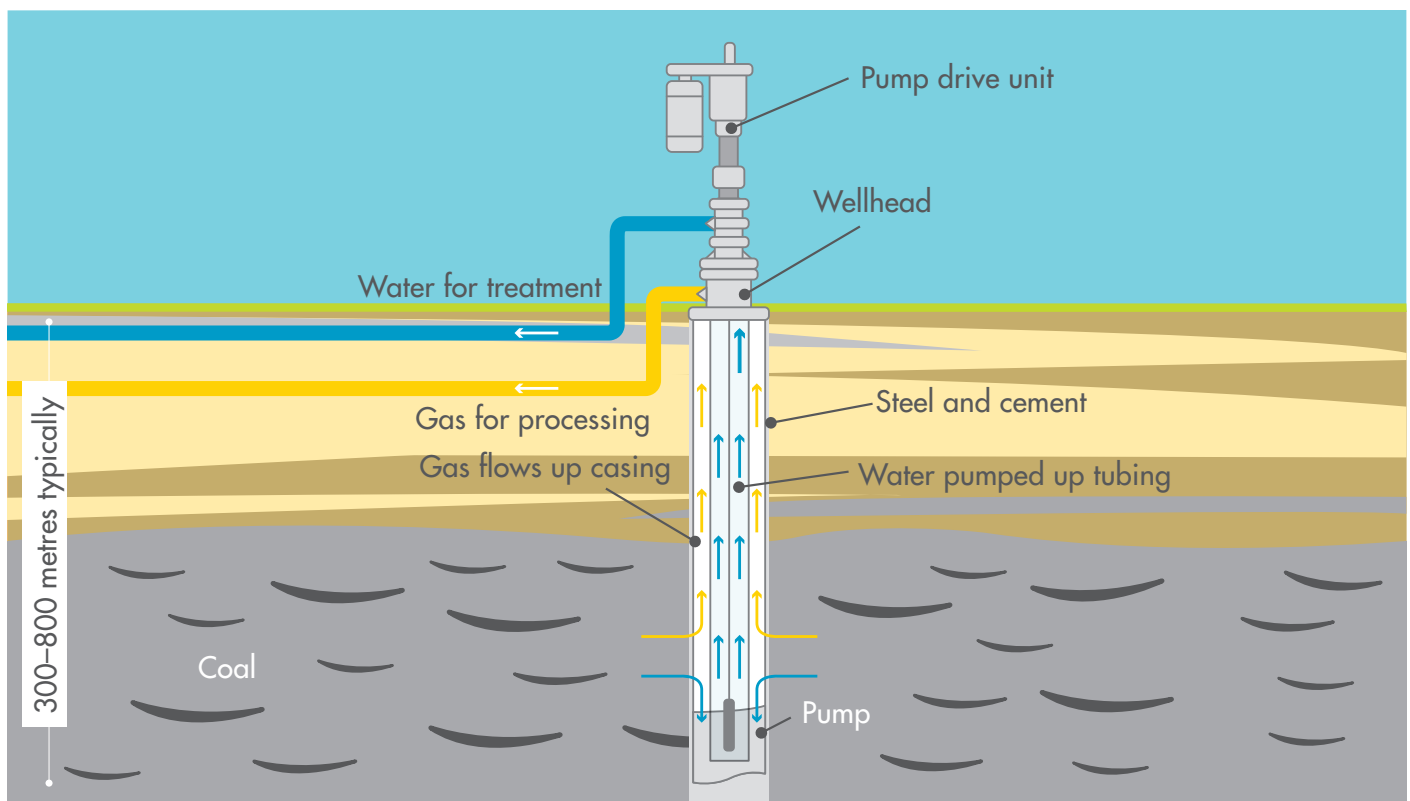
### GATHERING INTEGRITY

Gathering lines take the extracted gas and water to processing plants. They are designed and constructed under a Code of Practice prepared for the natural gas industry.

Gathering lines are made of high density polyethylene (HDPE). HDPE is designed to last a long time and does not corrode. Before the gathering line is commissioned, pressure testing confirms there are no weaknesses in the pipeline.

Once commissioned, the operation and maintenance of the pipeline is carried out in accordance with a safety and operating plan that is audited by the Queensland Government.

### WELL INTEGRITY



Wells are designed and built using steel piping and cement. These barriers seal the well to prevent the flow of liquids or gases from the coal seam into other rock zones or overlying aquifers.

Once the steel and cement casing is in place, pressure testing is used to confirm that there are no weaknesses in the well. A wellhead—which contains barriers, valves and seals—is placed on the surface. A well will only begin production after its integrity is confirmed.

### CONTACT DETAILS

Please contact your Land Access Advisor or a member of the community engagement team for more information.

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