

Oil & Gas



GAS WELL FLUSH-BY UNIT

Practical Engineering were engaged by a gas producer for the design, fabrication, assembly and testing of a completed turn-key Flush By Pumping Unit.



The skid-mounted unit enables gas well operators to flush wells without having to rely on the availability of rigs or cranes. This unit can be permanently mounted on a truck and allow well operators to perform flush by operations in record time minimising OPEX costs, improving efficiency and reducing safety risks associated with rigs and cranes. It consists of a self-powered pump and tank arrangement that stores the required water and chemical on board.

Practical Engineering designed, manufactured and tested the skid in-house, before shipping it to the gas field to be put into service.

Services and outcomes delivered:

- Piping System Design
- Skid Arrangement and Structural Design
- Diagram (P&ID) Development
- Detailed layout model and isometric drawings
- Skid Fabrication and Assembly
- Commissioning
- Operations and Maintenance
- Manual
- HAZOP process

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