

Technical cross-section diagram of a well installation, showing various layers and components with labels and dimensions.

**Labels (from top to bottom):**

- Temporary top cap (prior to permanent head works installation)
- 160mm - 225mm OD Plain Pipe. PE80 SDR11 HDPE, manufactured to DIN 8074 and DIN 8075 specifications
- Existing ground surface
- Restoration soil
- Protection soil above cap
- Capping geosynthetics
- Regulation soil below cap
- Fully hydrated bentonite slurry
- Waste
- Dry bentonite powder or bentonite pellets
- Well annulus backfilled with 20mm to 40mm clean gravel
- 160mm - 225mm OD perforated pipe forming the response zone. Perforations to be a minimum of 8% of the surface area. PE80 SDR11 HDPE, manufactured to DIN 8074 and DIN 8075 specifications
- Welded end cap

**Dimensions (from top to bottom):**

- Min 1.00m
- Min 1.00m
- Min 0.30m
- Min 0.30m
- Min 3.00m (Total depth from existing ground surface to the top of the gravel annulus)
- Min 0.25m
- Min 0.50m
- Varies with well depth
- 3m offset from top of basal liner system

Gas sampling valve

Gas pressure monitoring valve

Gas flow control valve

Gas pressure monitoring valve

Removable cap for dipping

Stub flange

E/F reducing 'Tee'

Flex seal

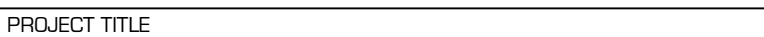
Flexible pipe connecting to gas collection pipework, with enough slack to accommodate waste settlement

160mm - 225mm gas well

Existing ground surface

Restoration soil

This design is subject to final approval.



DRAWING TITLE

Rev	Date	Chkd	Description
0	27/08/2021	DB	First issue

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