

■ MiKee Field, Taranaki, New Zealand. Sixty km of heat traced HDPE jacket Insapipe flowlines connect 17 well heads to the primary separation station

System Benefits

■ Rugged Structure

Able to withstand transportation to remote sites and handling

■ Reduced Site Time and Cost

Factory insulated means insulation installed at same time as process pipe

■ Simple Assembly

No special gear or trades required. Spread size not increased, no extra investment in plant. Bending on-site requires only standard size booms or hydraulic benders. Standard construction procedures.

■ Long term Integrity - bonus

Underground casing can be additionally protected against corrosion with impressed systems,, to reduce inspection and reduce or eliminate maintenance.

■ Trace heating capabilities

Raceway incorporated accepts most electric tracers

■ Power distribution and connection reliability

Unique water tight power tee eliminates problems above ground and underground

■ Backfill savings

- Imported fill not normally required

■ Subcontractor liaison as required for practical solutions

- Selection of sub-contractors
- Training through data modules
- Training on-site
- Site supervision
- Assistance with commissioning
- Complete on-time and within budget

■ Quality

- Factory insulated under controlled conditions
- Qualified procedures and controlled conditions throughout manufacture.
- No weather delays. No damp insulation. No reduction in quality due to site conditions or remoteness
- Minimum reliance on field skills

■ Typical Applications

- Flow lines
- Gathering lines
- Trace heated pipelines
- Direct buried pipelines
- Production station process lines
- Process drains

Technical Data

■ Insulation

Thermal conductivity:	0.024 W/m ² K
Compressive Strength	320 kPa
Shear strength	205 kPa
Density	65 kg/m

Thickness optimised at design stage:

Minimum recommended	25mm
Maximum recommended	79mm
Maximum operating temperature	130°C

Underground system casing

- High density polyethylene, one piece extruded

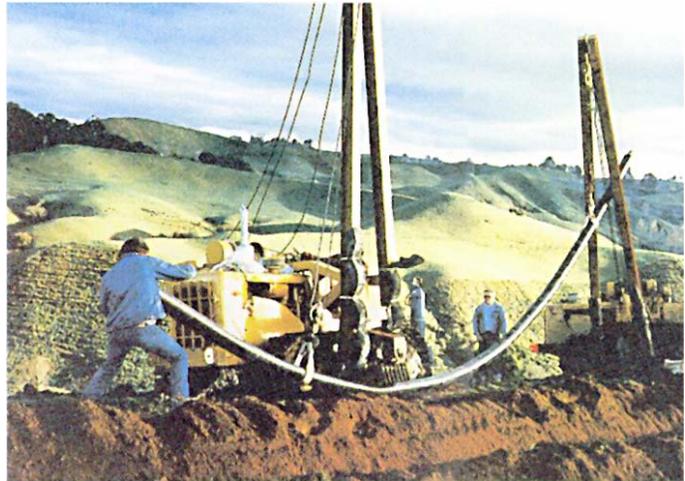
Above Ground system casing materials

- Spiral wound galvanised steel
- Spiral wound stainless steel
- Spiral wound aluminium
- Spiral wound epoxy coated

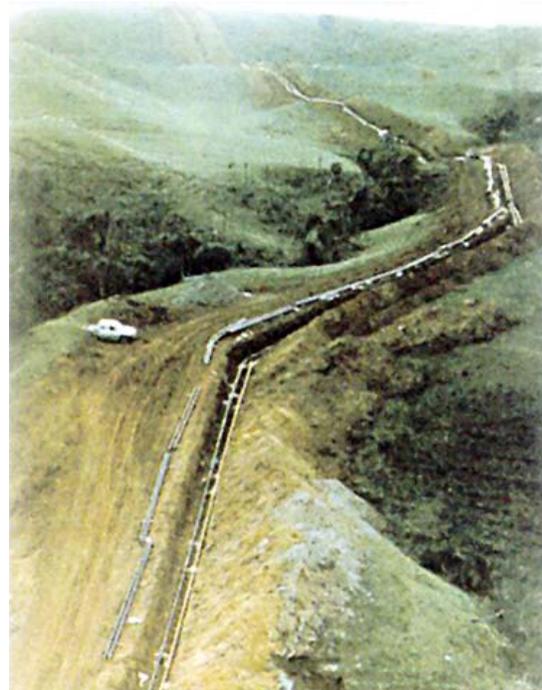
Process Pipe

Normally single or double randoms to Engineer's specification.

Superior system performance may allow reduced diameter and corrosion provision.



■ Bending 100mm Schedule 80 Insaipipe on-site to a radius of 9.25 for Pouri Well



■ Long distance insaipipe flow lines at Toetoe Well



■ The process of jointing insaipipe involves welding, insulation and casing. It is simple, rapid and straightforward

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