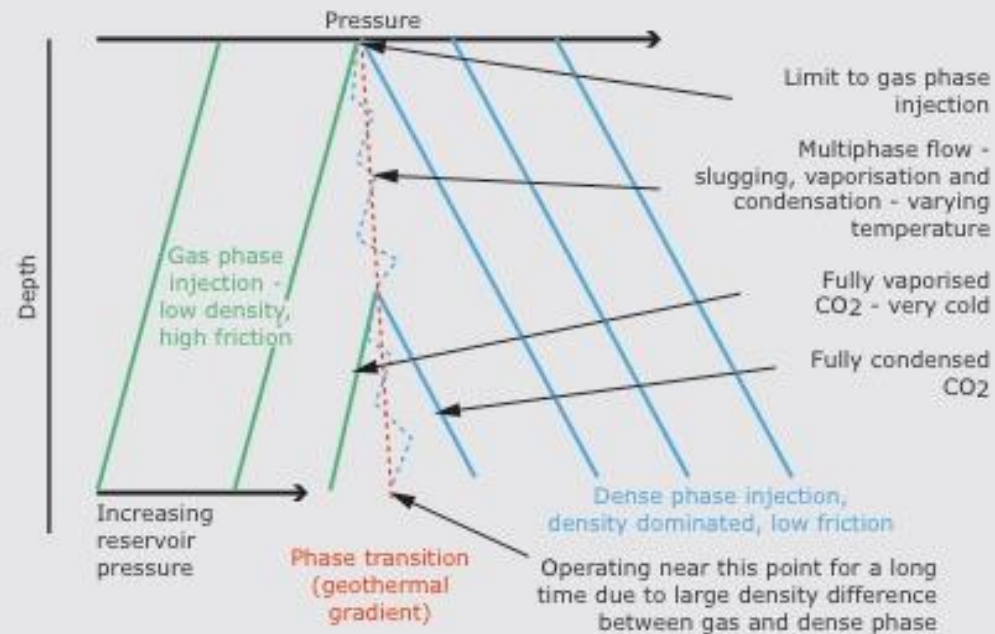


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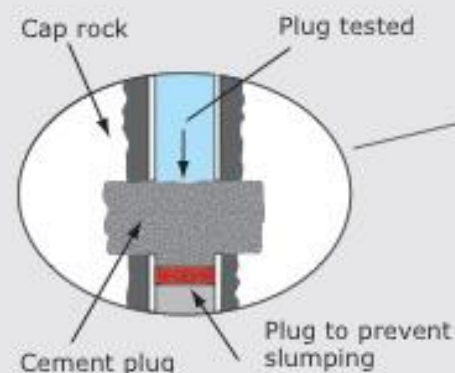
## Managing Increasing Reservoir Pressures for Depleted Gas Field Storage



Strategies for depleted gas field injection:

1. Use large bore tubing and accept unstable flow and low temperature. Maintain single-phase flow in pipeline through choke.
2. Use downhole adjustable chokes to maintain single phase flow in tubing (gas then dense phase). Low temperatures and uncertain track record in this environment.
3. Use smaller diameter tubing to spread frictional pressures and disperse low temperatures.
4. Manage pressures through use of multiple wells.

## Ideal abandonment rock-to-rock plug, existing casing and cement under-reamed



How far can CO<sub>2</sub> migrate? What wells are in the migration pathway - what is their status?

