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## Invasion Profile

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# Invasion profile

- Mud is under pressure that is higher than formation pressure.
- In permeable zones mud will infiltrate in the formation leaving mud particle at the face of the formation which will form mud cake
- When mud filtrate invade the formation this will stop the mud filtrate from traveling farther in the formation
- Then 3 major zones will be created, flushed zone, transition zone, and true formation zone.
- The resistivity of these zones will change because of different fluid in each zone.

