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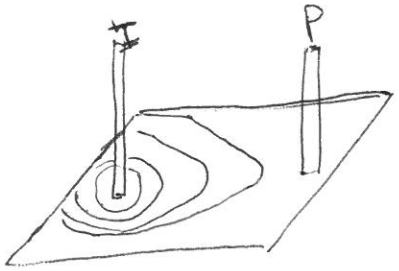
1. Setup
- state the problem. draw a picture.



Fluid Flow, where is the fluid in the subsurface?

2. Properties
- what are the diagnostic physical property contrasts?

conductivity changes between fluids, ~~&~~ ~~mixing~~ laws change bulk conductivity

3. Survey
- where are the sources? receivers? time domain? frequency domain? grounded? inductive?

Sources could be in ~~recon~~ monitoring wells or surface... just really a general electrical / electromagnetic ~~property~~ ~~Sel~~ survey, depending on the reservoir

7. Synthesis
- how do we combine our interpretation with other knowledge about the problem and make a decision?

Can forecast water breakthroughs and better plan injection and production rates to control the ~~reco~~ hydrocarbon recovery, based off of fluid locations and movements.

6. Interpretation
- what do the results tell us in terms of the geological or geotechnical objectives?

Hopefully show where fluid has been exchanged.

5. Processing
- what steps should be taken prior to obtaining an interpretable image?

Need Background conductivity model that doesn't change between the two data sets.

4. Data
- what are the data? what do you expect to see?

expect to see measurable time lapse response in the recorded Electrical/EM data.