Data Repository Item - Holohan et al. "Unzipping Long Valley" (G24329A)

Appendix Figure DR1: Map-view sketches of all unzipping patterns observed in experiments with a centred conduit. The reservoir's plan-view ellipticity was varied for each experiment set: A1-A5 (A/B = 1.0), B1-B5 (A/B = 1.33), C1-C5 (A/B = 1.5), and D1-D5 (A/B = 2.0). Unzipping patterns comprise a continuum that gradually, but systematically, changes with increasing A/B ratio.
Appendix Figure DR2: Map-view sketches of unzipping patterns observed in experiments with an off-centred conduit. In each case, plan-view ellipticity of the reservoir was A/B = 1.5. The conduit was positioned along the reservoir long axis at: 3.4–3.9 cm west from the centre for experiments E1-E4, 4.2 – 4.5cm east from the centre for experiments F1-F4, 4.2 – 4.5cm west from the centre for experiments F5-F8. Note that regardless of conduit position, the patterns of reverse fault localisation and propagation are essentially the same as for A/B = 1.5 with a centred conduit (i.e. first nucleation near the roof’s short axis ends, followed by unzipping pattern 2 or 3).