

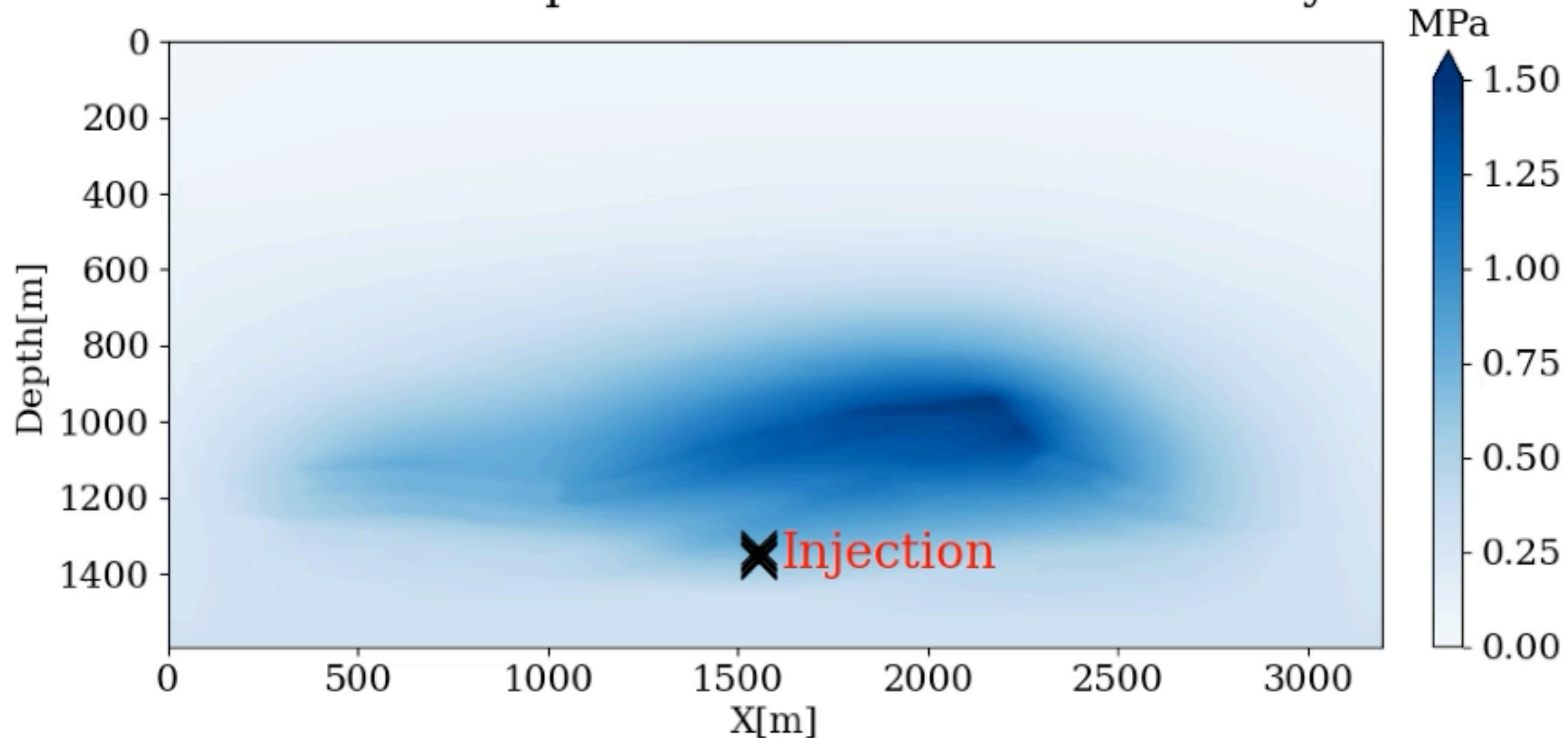
SLIM



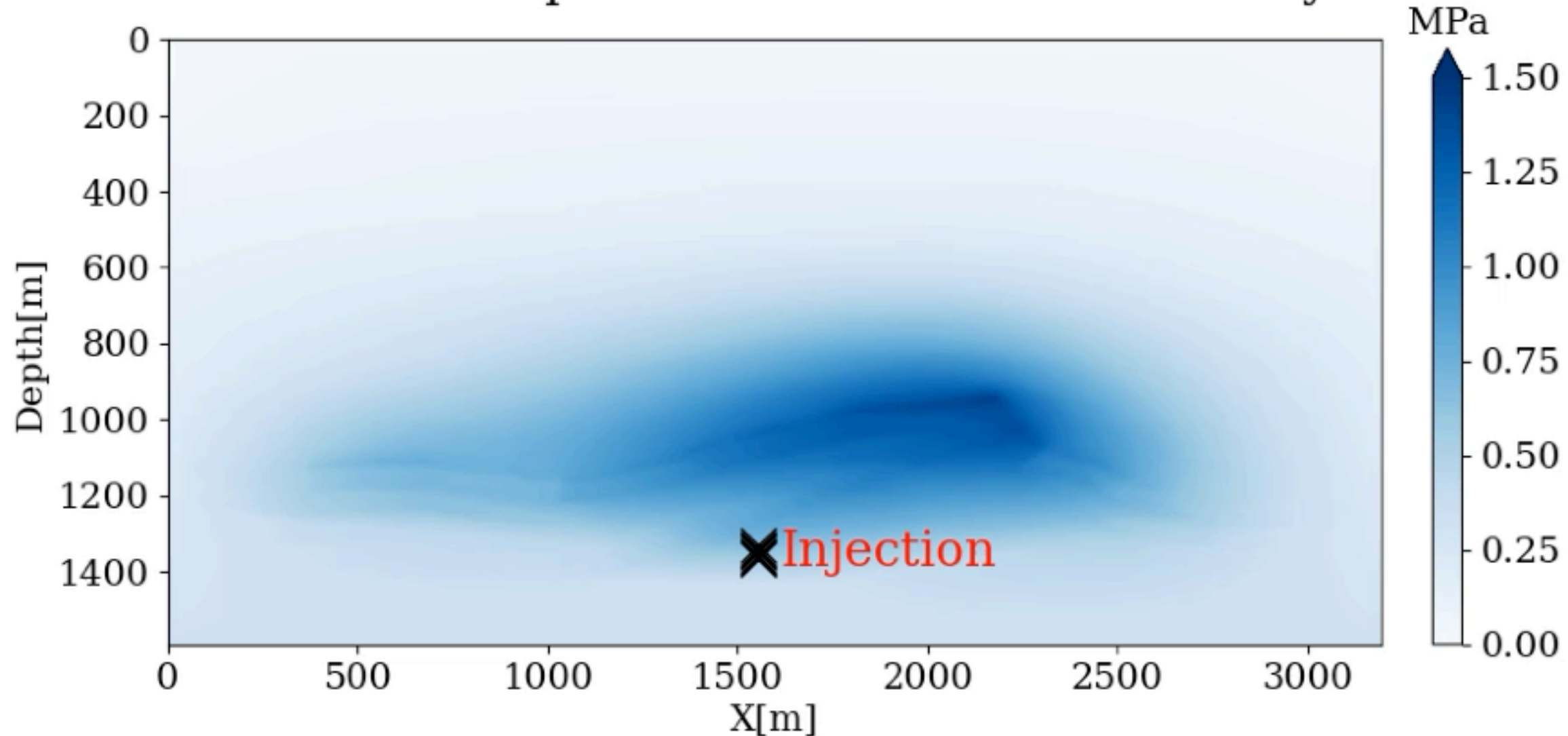
Optimized

w/o vs. w/ pressure control

Difference between pressure at current time and hydraulic



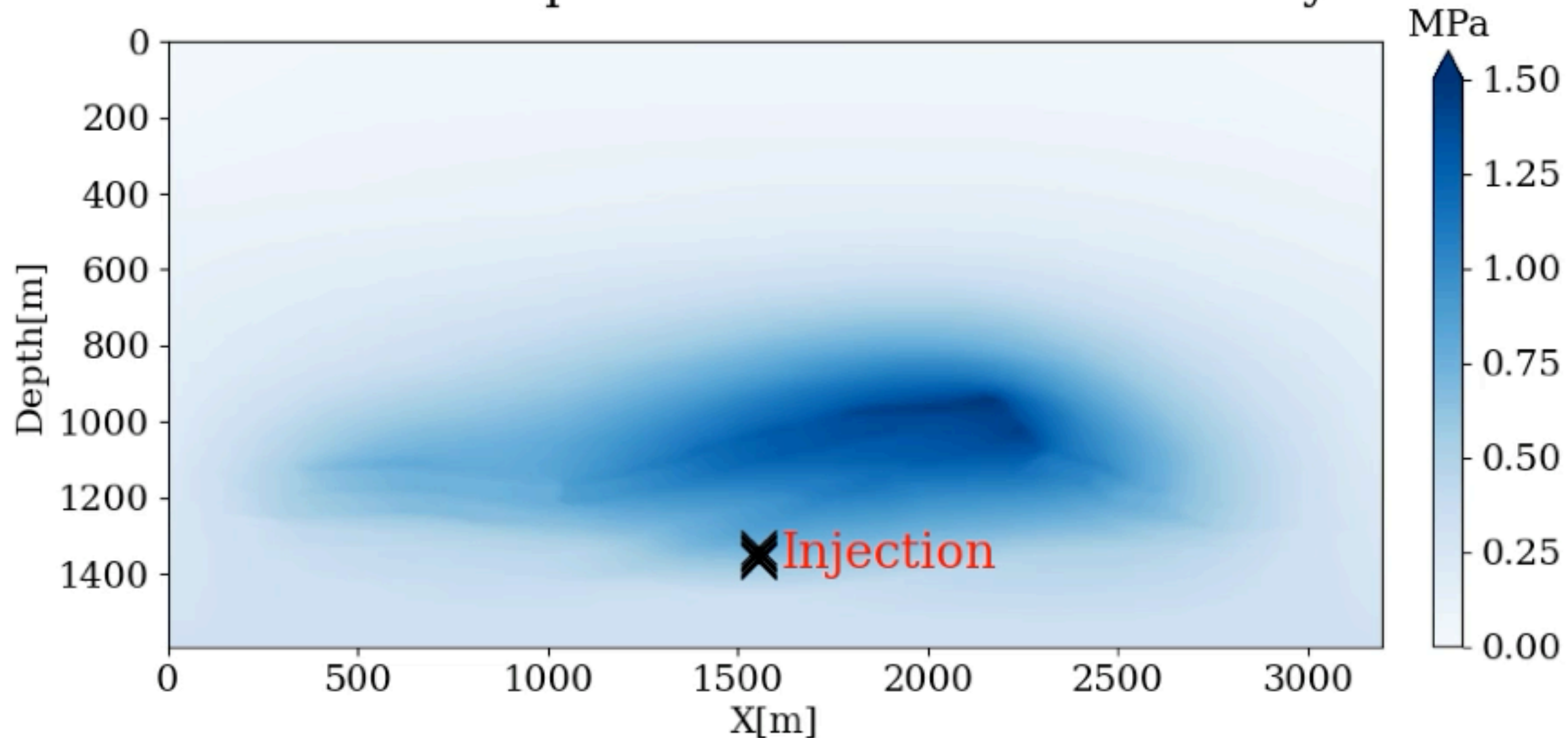
Difference between pressure at current time and hydraulic



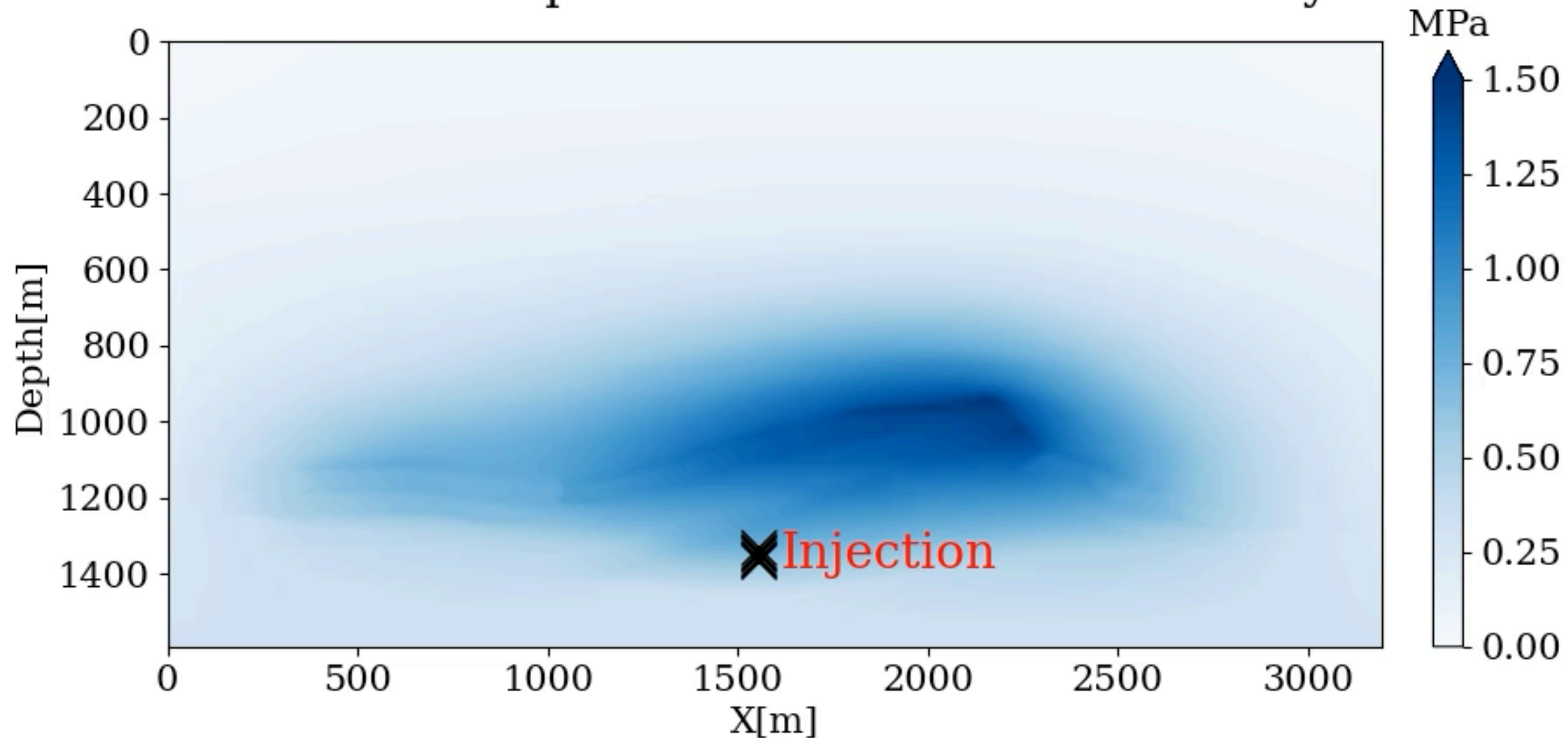
$$\mathbf{x}_4 \sim p(\mathbf{x}_4 | \bar{y}_4^o) [\delta p] \text{ for } q \equiv 0.0500 \text{ m}^3/\text{s}$$

$$\mathbf{x}_4 \sim p(\mathbf{x}_4 | \bar{y}_4^0) [\delta p] \text{ for } q = 0.0387 \text{ m}^3/\text{s}$$

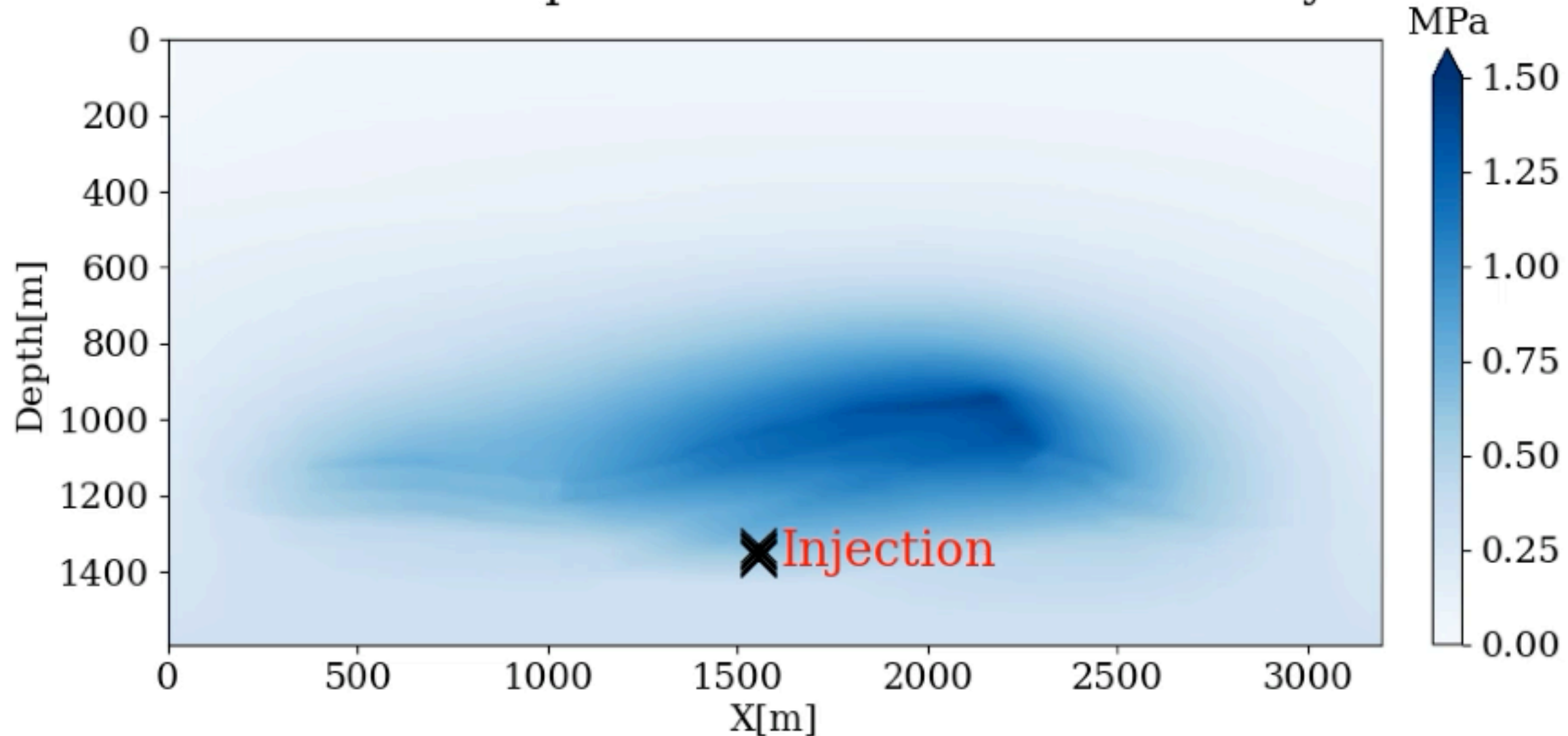
Difference between pressure at current time and hydraulic



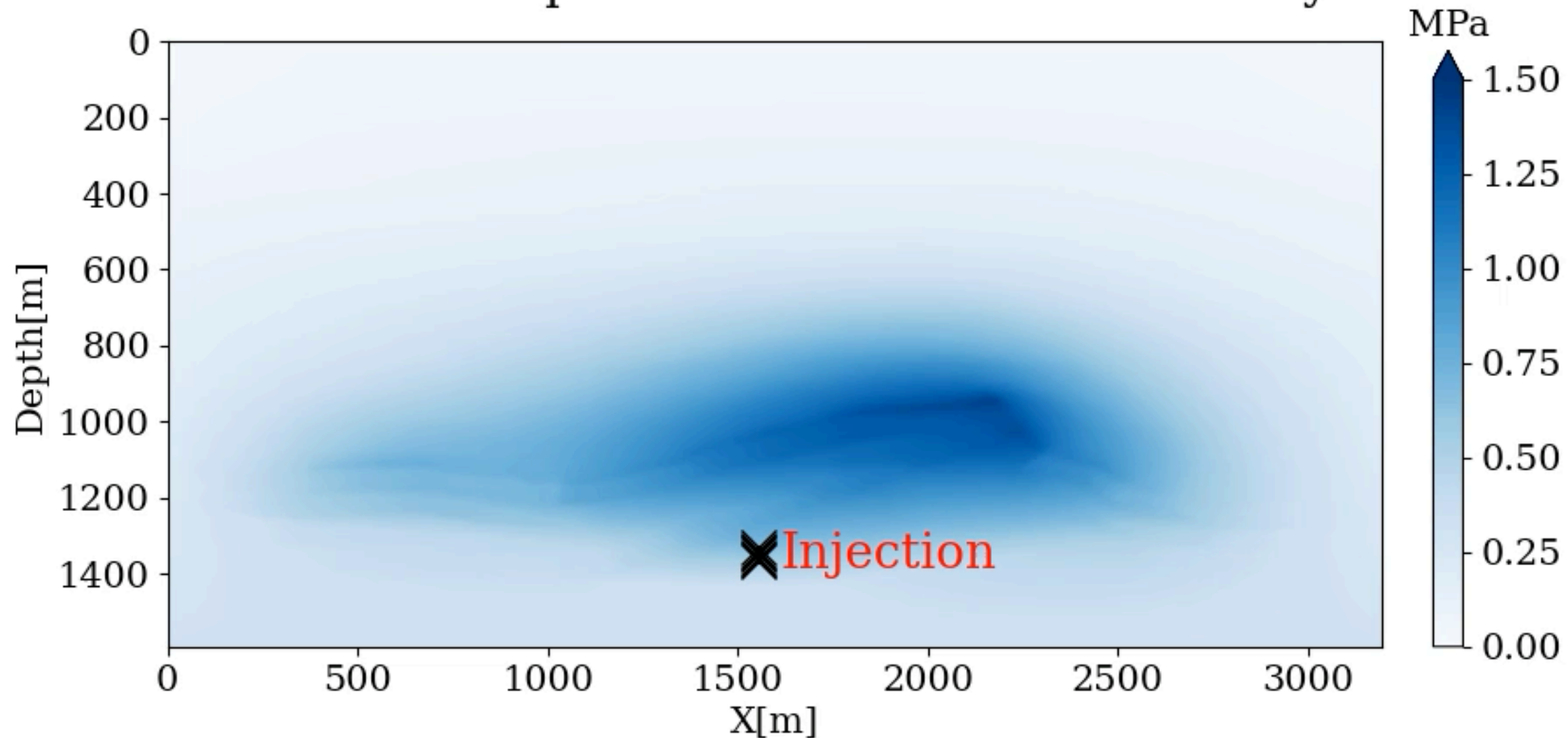
Difference between pressure at current time and hydraulic



Difference between pressure at current time and hydraulic



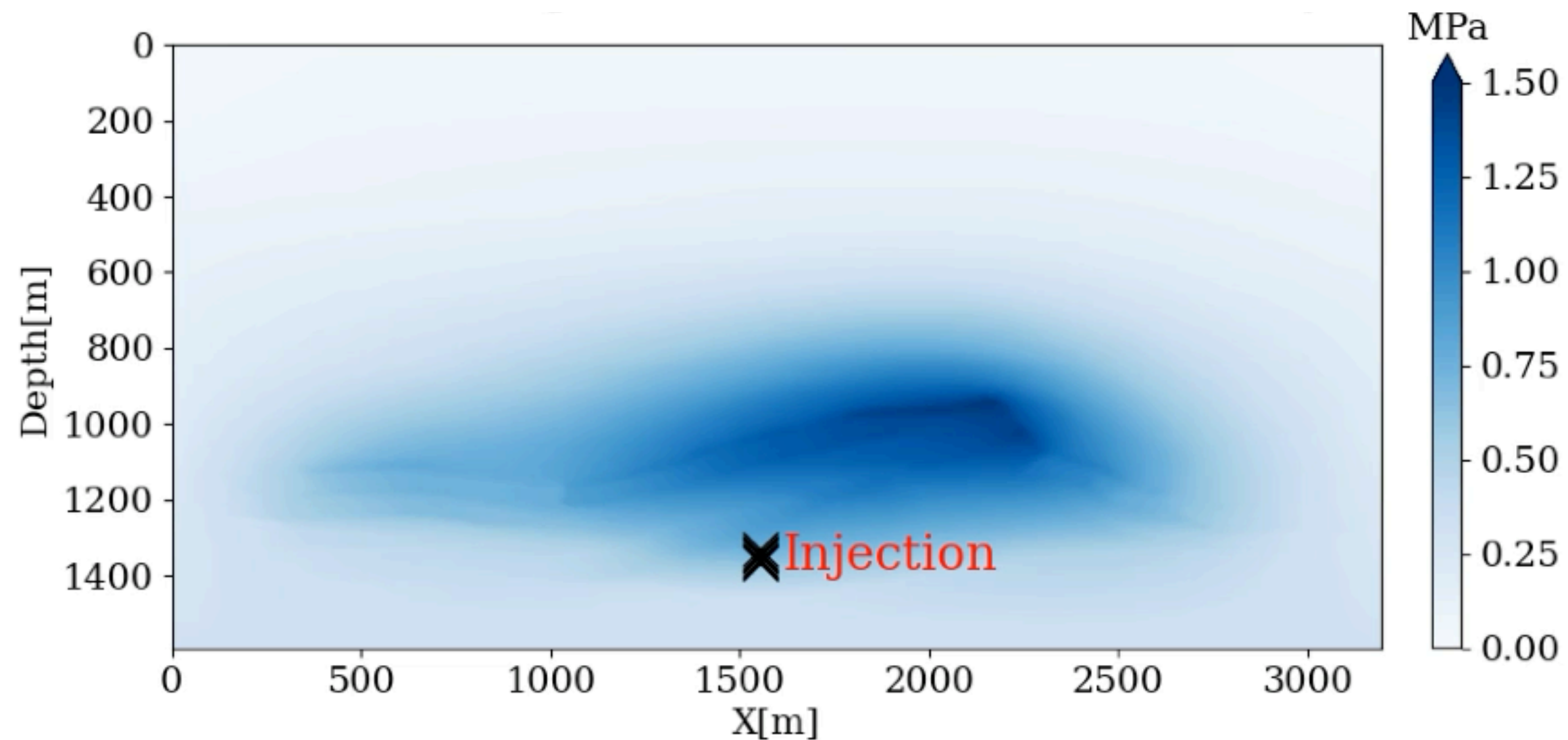
Difference between pressure at current time and hydraulic



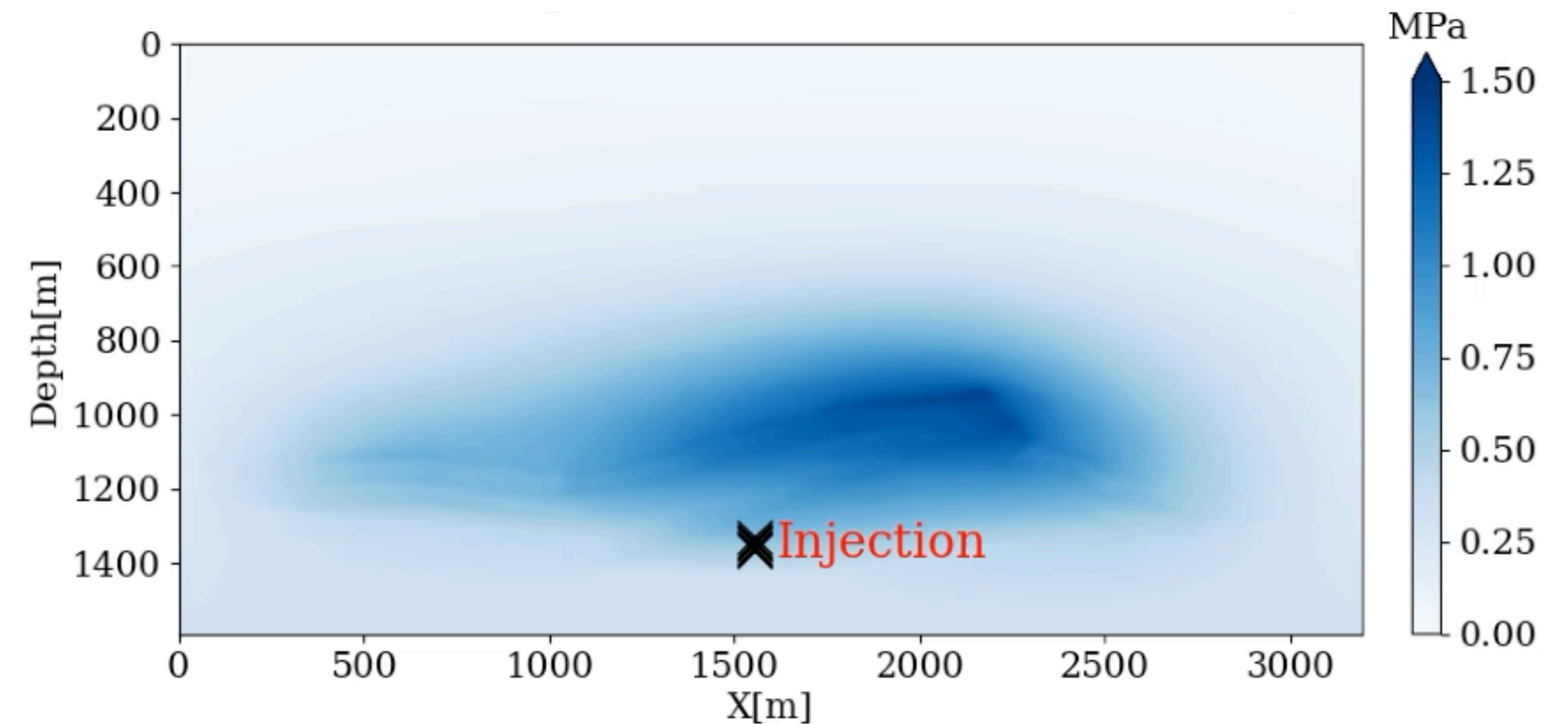
Optimized

w/o vs. w/ *pressure control*

$$\mathbf{x}_4 \sim p(\mathbf{x}_4 | \bar{\mathbf{y}}_4^0) [\delta p'] \quad \text{for} \quad q = 0.0500 \text{m}^3/\text{s}$$



$$\mathbf{x}_4 \sim p(\mathbf{x}_4 | \bar{\mathbf{y}}_4^0) [\delta p'] \quad \text{for} \quad q = 0.0387 \text{m}^3/\text{s}$$



Digital Twin w/ *optimized* well locations