

AOR BOUNDARY CONDITIONS DESCRIPTION

CTV IV

AoR Boundary Condition

Site Geology and Hydrology

The structure within the project area is characterized by [REDACTED]

[REDACTED]
(upper and lower confining zones described in the Attachment A)
[REDACTED]

The Injection Formations are bound above by [REDACTED]

[REDACTED] The competence in
confining upward fluid movement is established in the Upper Injection Zone [REDACTED]
[REDACTED]

The Class VI injection wells will target injection in [REDACTED] (Upper Injection Zone)
and [REDACTED] (Lower Injection Zone). [REDACTED]
[REDACTED]

[REDACTED] Well data, open-hole well logs
(Figure 2), core data and 2-D seismic lines were used to define the subsurface geological
characteristics of stratigraphy, lithology and rock properties.

Boundary Conditions

The following Boundary conditions were applied to the model domain:

1. The overlying [REDACTED]
[REDACTED] over the model domain has low permeability, has been shown to be [REDACTED]
[REDACTED]

2. [REDACTED] bounding conditions to the model are open, with large volume modifiers at the edge cells to model connection to the reservoir volume beyond the model domain based on regional mapping of the formations in the area.

FIGURES

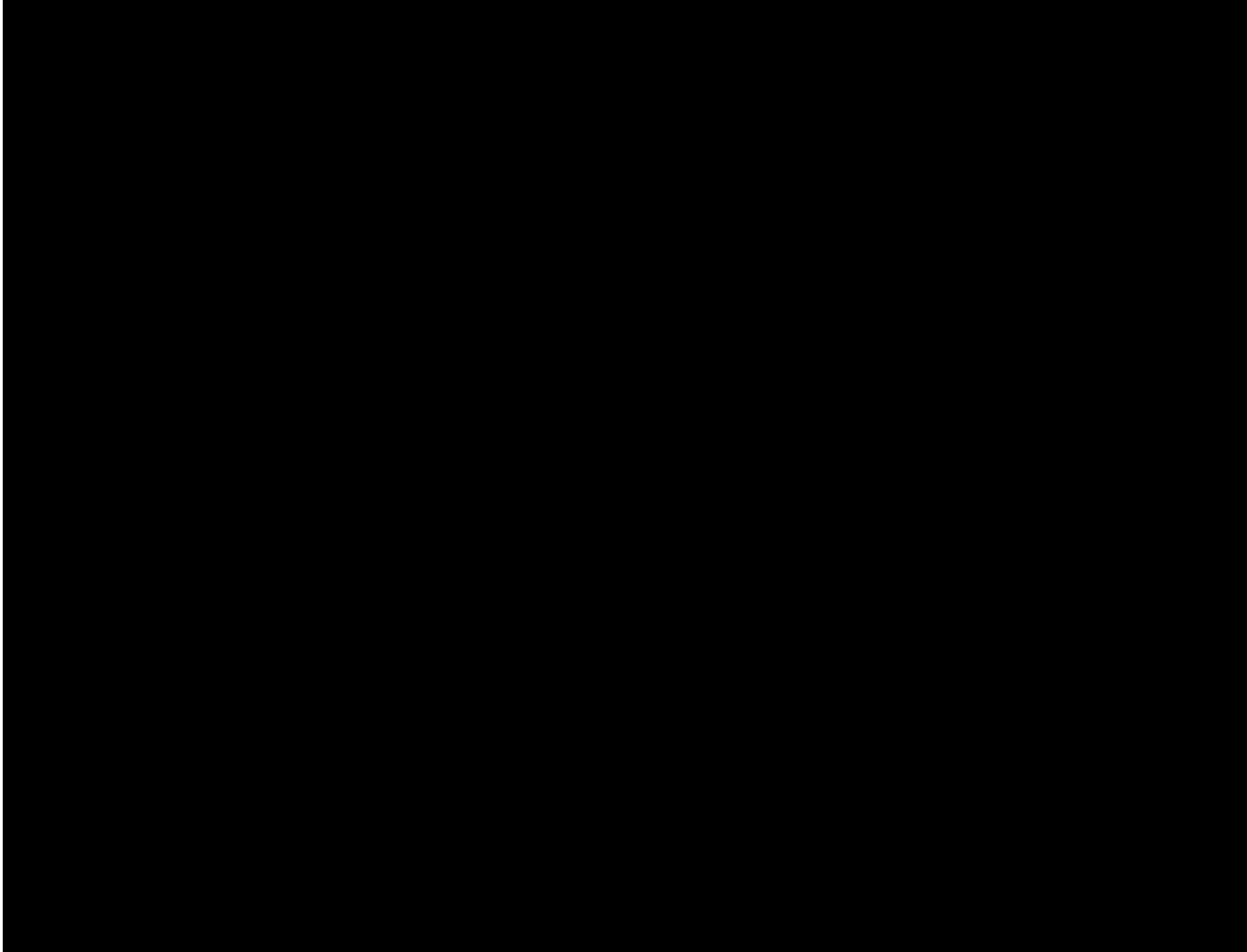


Figure 1. Cross section showing stratigraphy and lateral continuity of major formations across the AoR.

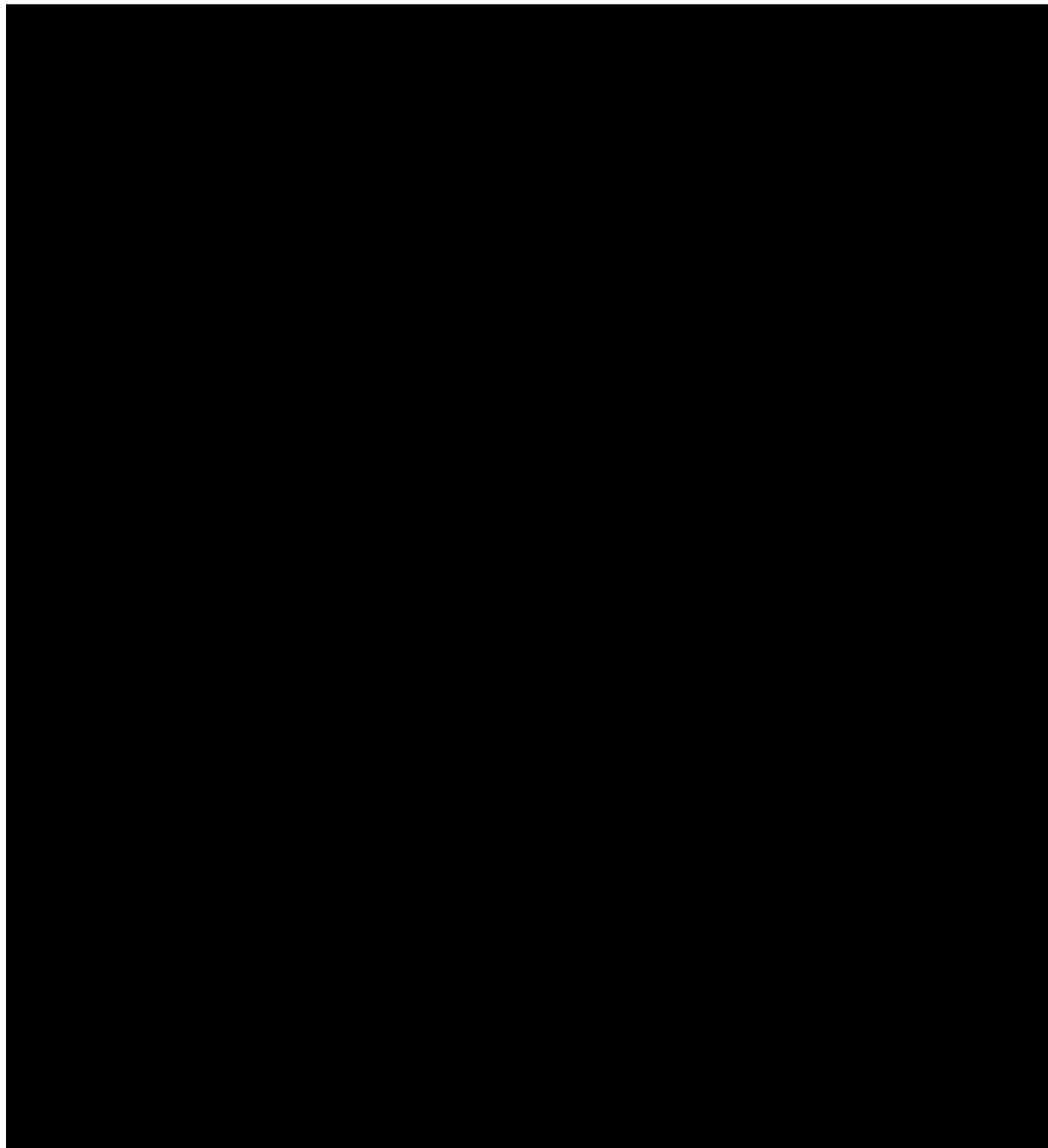


Figure 2. Location of wells with open-hole log data used to develop the static and computational models.