COLORADO GEOLOGICAL SURVEY
DEPARTMENT OF NATURAL RESOURCES
DENVER, COLORADO

Structural Cross-Section Legend

Stratigraphic Column

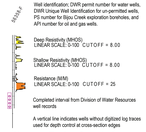
Geologic Boundaries

- Conformable Boundary
- Unconformable Boundary
- Intermediate Boundary

Surface Mapped Geologic Units of the Dawson Group

- Tda — Dawson Arkose (Thorson, 2011)
- Td — Dawson Arkose: arkosic sandstone and claystone facies (Bryant et al., 1981)
- TKd — Denver Formation (Thorson, 2011)
- Pcd — Dawson Arkose: fine-grained sandstone, shale, and lignite facies (Bryant et al., 1981)

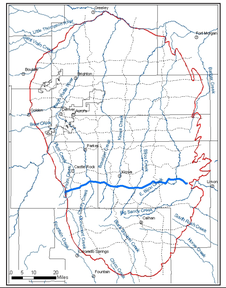
Geophysical Log Traces and Completion Details



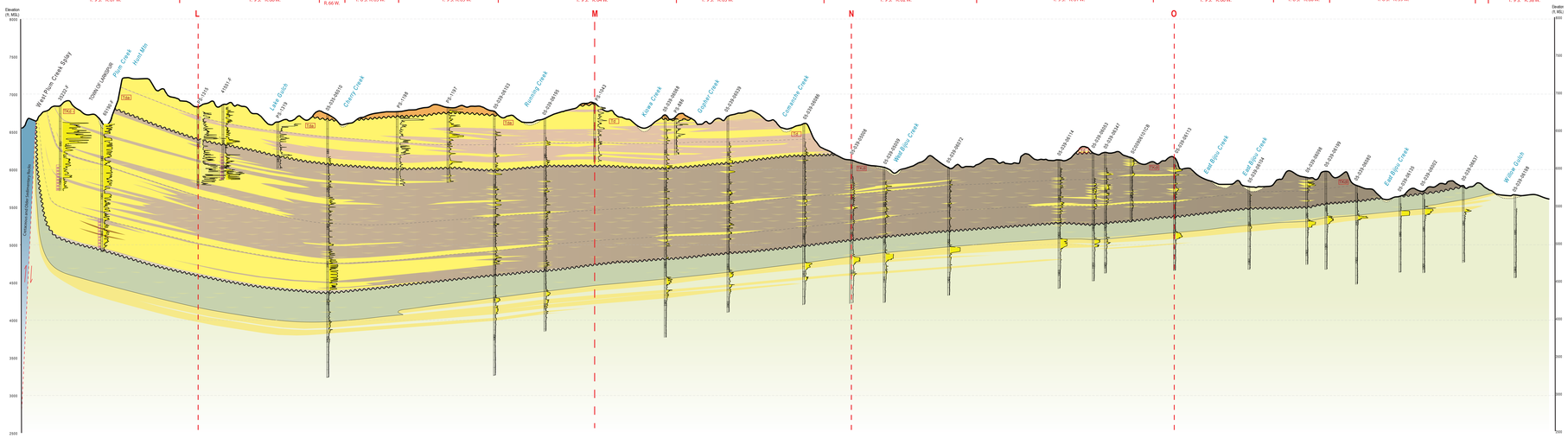
Note on Facies Correlations

Coarser-grained clastic facies, as interpreted from higher resistivity values on the well logs, have been given solid yellow shading. Finer-grained facies, as interpreted from lower resistivity values have been given darker shading.In places where coarser-grained facies are laterally correlative, the solid yellow shading connects between neighboring wells to indicate lateral continuity. These can be individual clastic beds and lenses, or intervals of amalgamated, coarse-grained facies. In cases where lateral correlation could not be made with confidence between adjoining wells, individual sand bodies are depicted as solid yellow lens-shaped polygons. Horizontal dimension is not implied by the polygon size. Areas between wells filled with transparent lens-shaped polygons indicate that lenses of clastic material of variable thicknesses and lateral extent may be present at any depth.

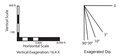
Location Map



H West — H' East



Structural Cross-section Scales



DENVER BASIN CROSS-SECTIONS
EAST-WEST SECTION H-H'
Peter E. Barkmann, Marieke Dechesne, Mary Ellen Wickham, Jill Carlson, and Scott Formalo
2011

John W. Hickenlooper, Governor
State of Colorado
Mike Smith, Executive Director
Department of Natural Resources
Vincent Matthews
State Geologist and Director
Colorado Geological Survey