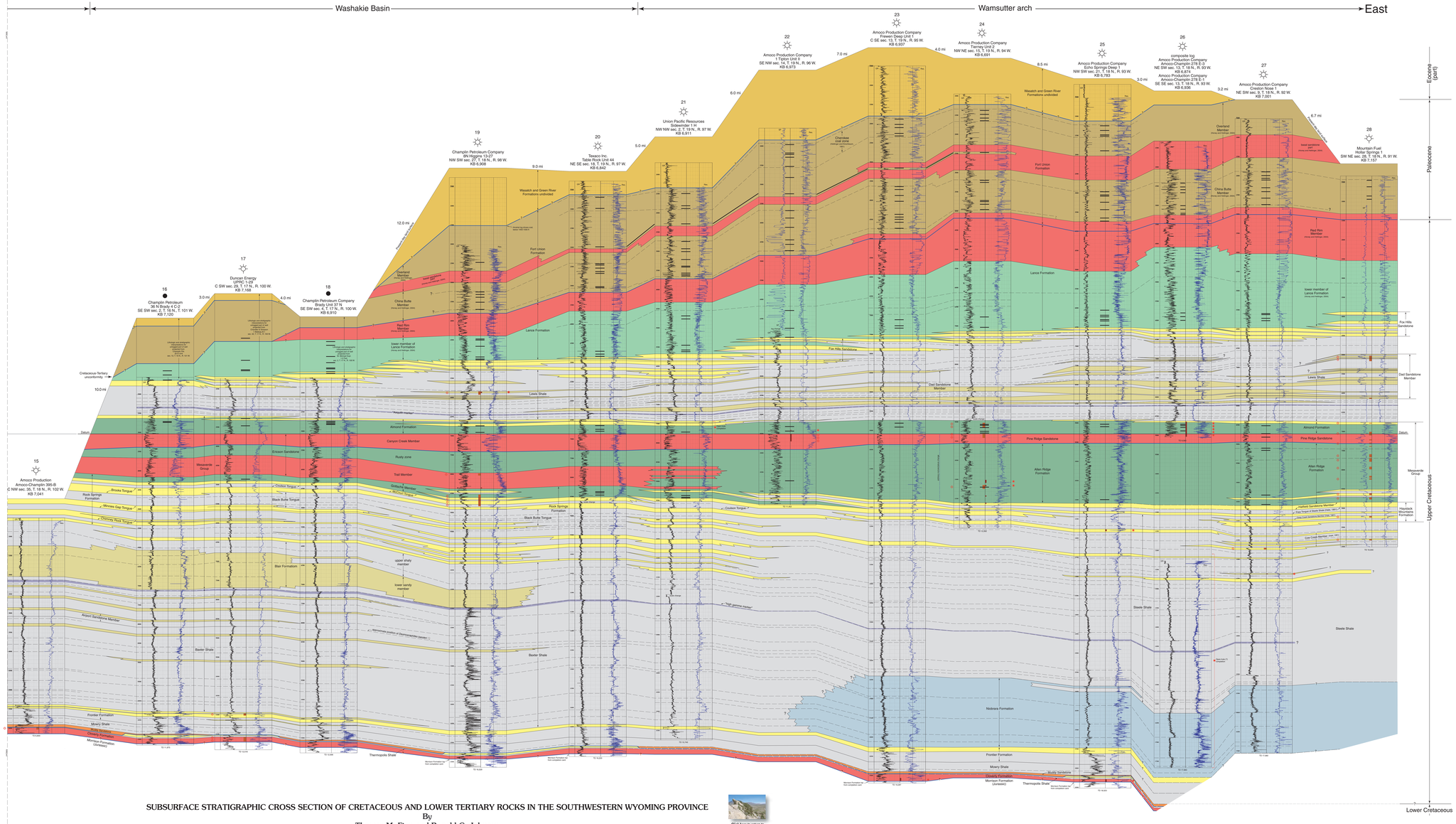

SUBSURFACE STRATIGRAPHIC CROSS SECTION OF CRETACEOUS AND LOWER TERTIARY ROCKS IN THE SOUTHWESTERN WYOMING PROVINCE

By

Thomas M. Finn and Ronald C. Johnson

2005

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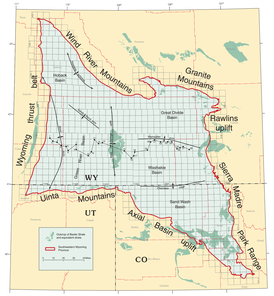
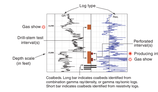


Index map showing the limits of the Southwestern Wyoming Province, major structural features, and location of cross section.

EXPLANATION

- Predominantly lacustrine, marginal lacustrine, and flood-plain deposits of the Green River and Bridger Formations. West of Rock Springs uplift
- Predominantly lacustrine, marginal lacustrine, and flood-plain deposits of the Wasatch and Green River Formations. East of Rock Springs uplift
- Sandstone, siltstone, and shale of the Wasatch Formation. West of Rock Springs uplift
- Continental, sandstone, siltstone, shale, and coal of the Fort Union Formation
- Predominantly fluvial sandstone
- Coastal plain and alluvial plain, sandstone, siltstone, shale, and coal of Lance Formation
- Coastal plain and alluvial plain, sandstone, siltstone, shale, and coal
- Marginal marine or coastal sandstone
- Estuarine and fluvial sandstone
- Marine sandstone and siltstone
- Marine carbonates, marls, and calcareous shales
- Offshore marine shale



- Plugged and abandoned
- Gas well
- Plugged and abandoned, gas show
- Oil well
- Oil and gas well

KB Kelly bushing, elevation in feet
TD Total depth, in feet
GR Gamma ray
SP Spontaneous potential
Res Resistivity

- Unconformity, queried (?) where uncertain, dashed where inferred
- Correlation of stratigraphic horizon or marker bed
- Formation and (or) lithologic contact, queried (?) where uncertain, dashed where inferred
- Coalbed correlations
- Regional high gamma shale marker bed