EXPLANATION

[Datum is basin-wide bentonitic marker in upper part of Cody Shale]

SYMBOLS USED IN DRILLHOLES AND MEASURED SECTIONS

Perforated interval
Drillstem test interval
Depth in thousands of feet
GR Resistivity Conductivity
TD 10,070

MAJOR LITHOLOGIES

- Sandstone
- Siltstone
- Light-gray or green claystone or clayshale
- Medium-gray or green claystone or clayshale
- Dark-gray or green claystone or clayshale
- Variegated claystone or clayshale
- Silty claystone or clayshale
- Volcanic rocks
- Bentonite beds
- Covered (surface section) or missing samples (drillhole)

MODIFIERS

- Calcareous
- Conglomeratic
- Siliceous
- Bentonitic
- Carbonaceous
- Light-colored chert grains
- Dark-colored chert grains
- Shaly
- Dark- and light-colored chert pebbles

FOSSILS

- Pelecypods
- Fish

ABBREVIATIONS

SP	Spontaneous potential
GR	Gamma ray
P	Pyrite
B	Bentonite
F	Fossil
KB	Kelly bushing
GR	Ground elevation

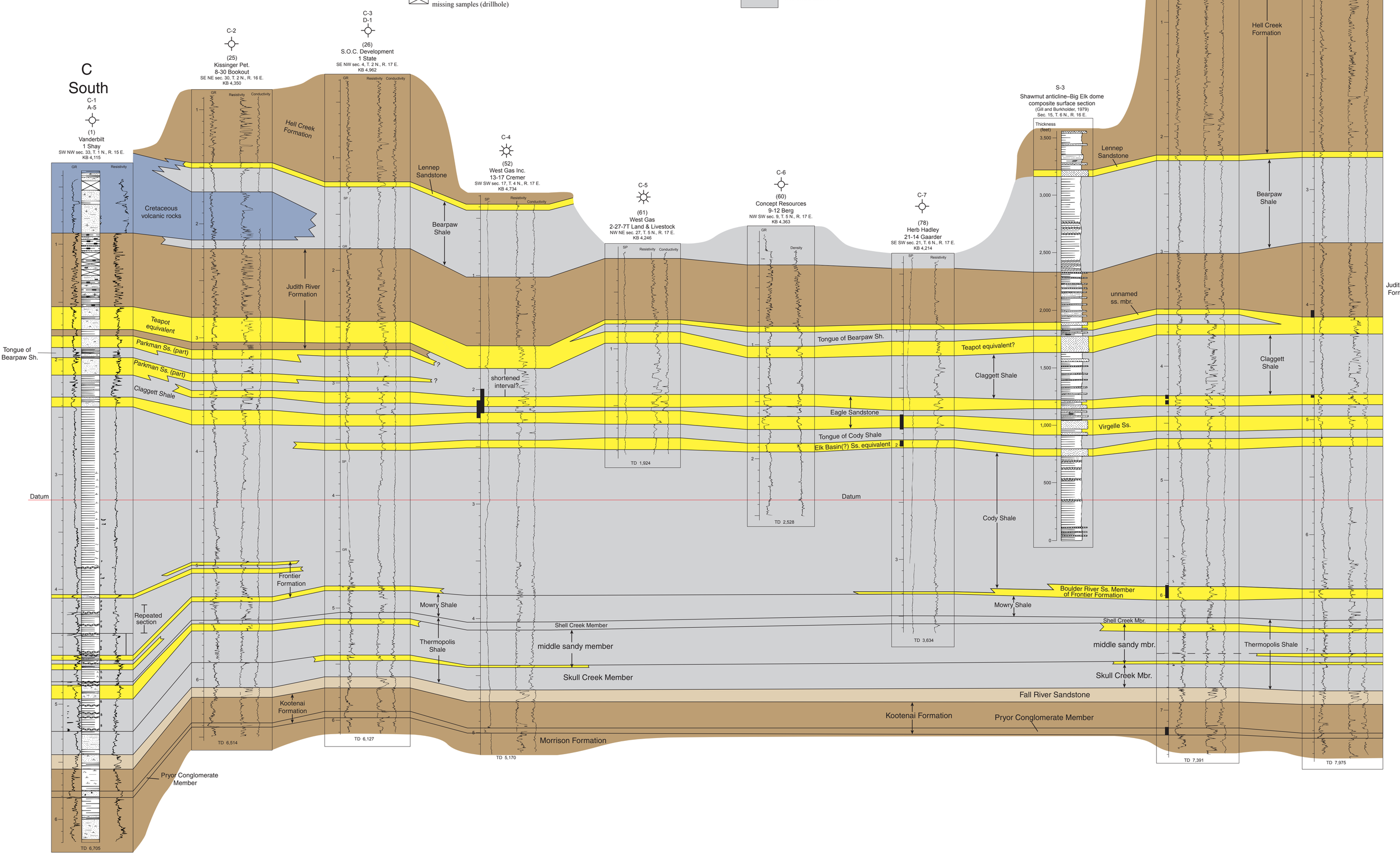
DEPOSITIONAL SETTING

- Mostly fluvial sandstone, mudstone, carbonaceous mudstone, and coal of Tertiary age
- Mostly fluvial and coastal plain sandstone, mudstone, carbonaceous mudstone, and coal of Cretaceous age
- Volcanic rocks
- Mostly marginal marine sandstone
- Marine and marginal marine sandstone and mudrock
- Offshore mudrock

DRILLHOLE SYMBOLS

(Number in parentheses under drillhole symbol is keyed to table 1)

- Drillhole, unknown status
- Dry hole
- Gas show
- Gas well
- Oil show
- Oil and gas show
- Oil and gas well
- Oil well



DETAILED SOUTH TO NORTH CROSS SECTION OF UPPER CRETACEOUS AND LOWER TERTIARY ROCKS ACROSS NORTHERN PART OF CRAZY MOUNTAINS BASIN, MONTANA, SHOWING LITHOLOGIES AND DEPOSITIONAL SETTINGS

By
Ronald C. Johnson and Thomas M. Finn

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