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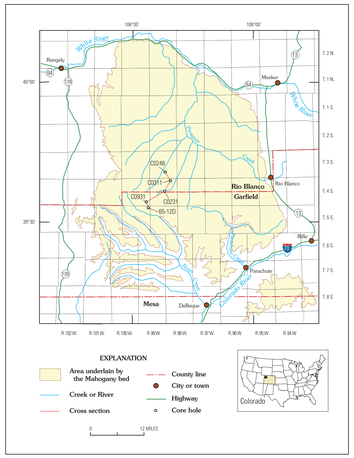
Chapter 5

INDEX MAP



EXPLANATION

Rich oil shale zones—Mostly kerogen-rich calcareous and dolomitic oil shale. Includes some calcareous sandstone, siltstone, and mudstone, oolitic and ostracodal limestone; contains stromatolites in basin-margin areas

Lean oil shale zones—Mostly kerogen-poor calcareous and dolomitic oil shale, with calcareous sandstone, siltstone, and mudstone, oolitic and ostracodal limestone; contains stromatolites in basin-margin areas

Rich oil shale zones—Mostly kerogen-rich, illitic oil shale with some sandstone, siltstone, mudstone, oolitic and ostracodal limestone; contains stromatolites in basin-margin areas

Lean oil shale zones—Mostly kerogen-poor, illitic oil shale with some sandstone, siltstone, mudstone, oolitic and ostracodal limestone; contains stromatolites in basin-margin areas

Oil yield—In gallons per ton

Spontaneous potential base—In mV

Resistivity—In ohmm

Gamma Ray—In American Petroleum Institute Units (APIU)

Neutron Density—In g/cm³

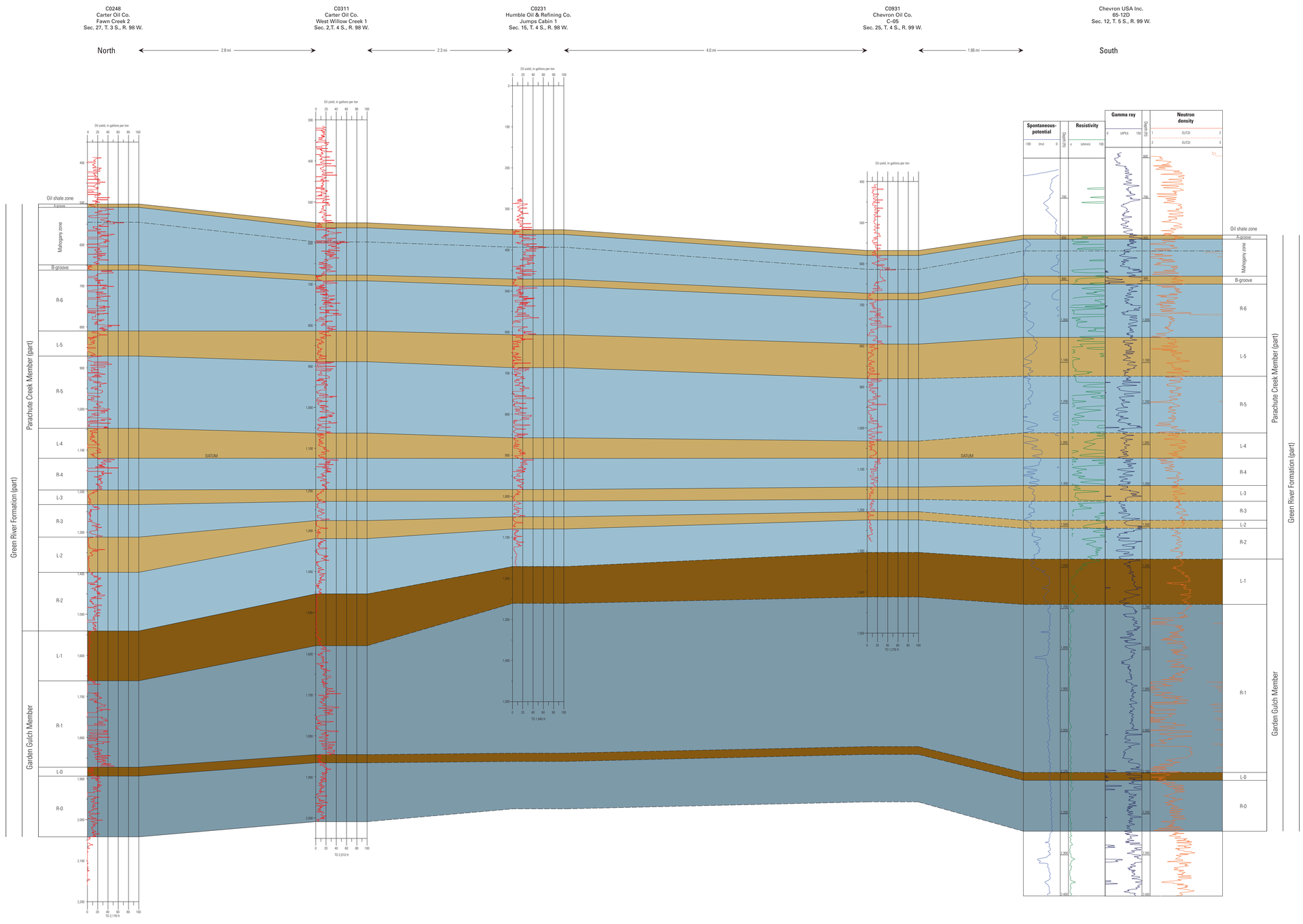
Top of Mahogany bed

C0248	**USGS Colorado borehole number**—Oil yield histograms only
Carter Oil Co.	**Driller of well**
Fawn Creek 2	**Well name**
Sec. 27, T. 3 S., R. 98 W.	**Location (section, township, range)**
TD 2,178 ft	**Total depth of well**

200 FEET
100
0

0 0.5 1 1.5 2 MILES

Correlation datum is top of the R-4 zone



DETAILED CROSS SECTION OF LINE 12 SHOWING THE CORRELATION OF INDIVIDUAL OIL SHALE ZONES IN THE EOCENE GREEN RIVER FORMATION, PICEANCE BASIN, NORTHWESTERN COLORADO

By
Jesse G. Self, Ronald C. Johnson, Michael E. Brownfield, and Tracey J. Mercier

2010