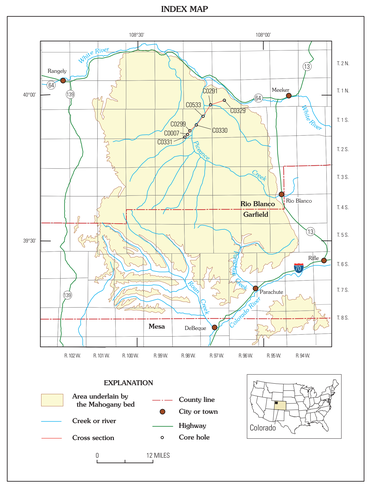
Click here to return to Chapter 5



EXPLANATION

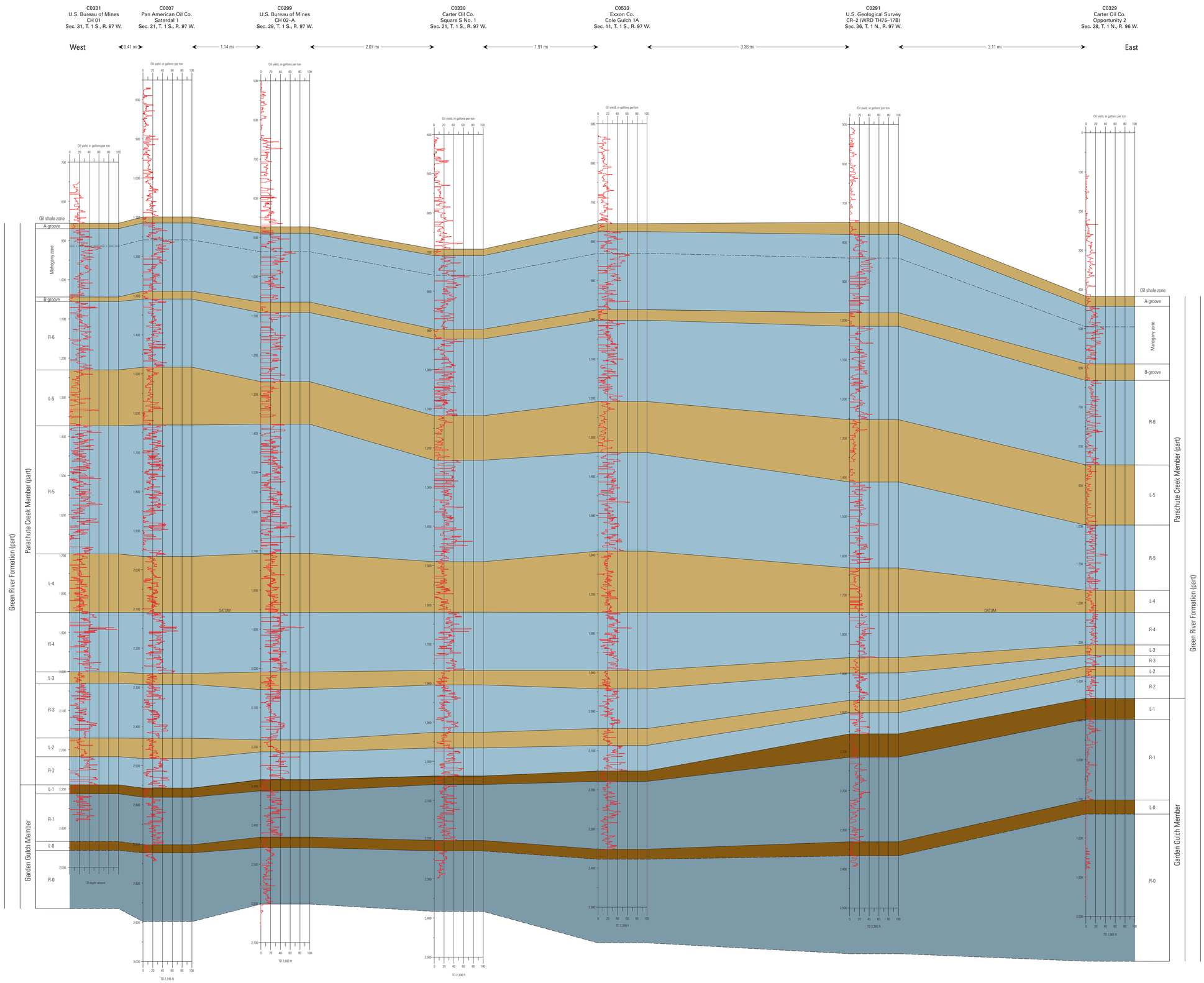
- **Rich oil shale zones**—Mostly kerogen-rich calcareous and dolomitic oil shale. Includes some calcareous sandstone, siltstone, and mudstone, oolitic and ostracodal limestone; contains stromatolites in basin-margin areas
- **Lean oil shale zones**—Mostly kerogen-poor calcareous and dolomitic oil shale,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

C0331	**USGS Colorado borehole number**
U.S. Bureau of Mines	**Driller of well**
CH 01	**Well name**
Sec. 31, T. 1 S., R. 97 W.	**Location (section, township, range)**
TD 2,745 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 4 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