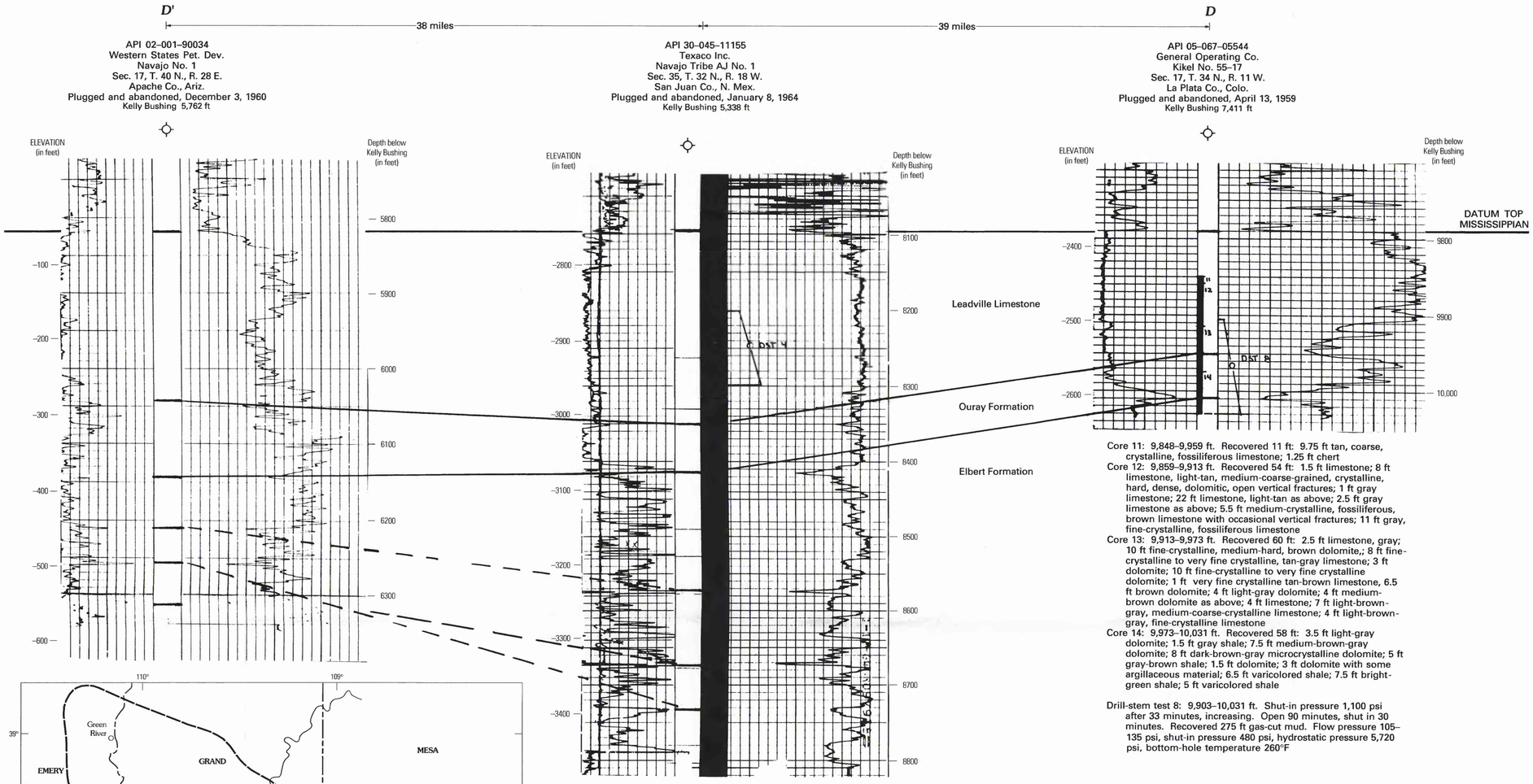


Drill-stem test 4: 8,200–8,300 ft. Shut in 1 hour, open 75 minutes. Recovered 65 ft mud. Flow pressure 45 psi, shut-in pressure 1,863–558 psi, hydrostatic pressure 4,352–4,308 psi

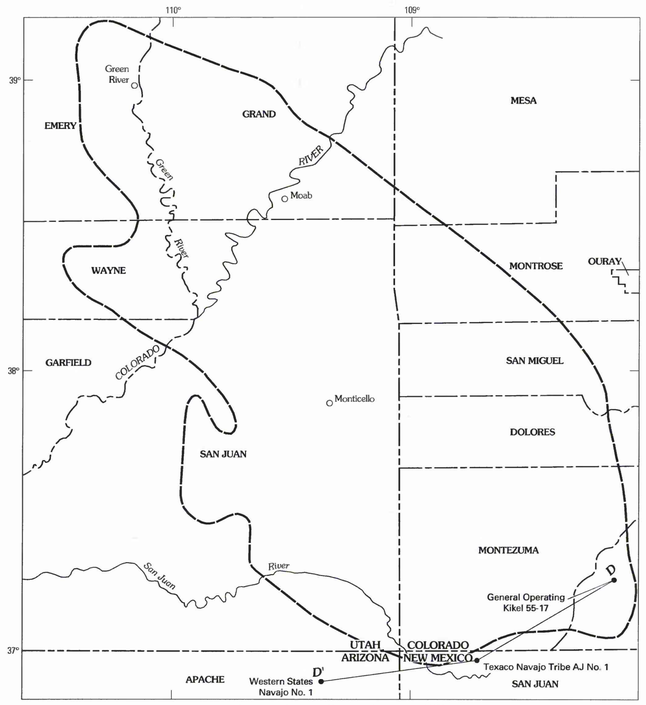
Core 11: 9,848–9,959 ft. Recovered 11 ft: 9.75 ft tan, coarse, crystalline, fossiliferous limestone; 1.25 ft chert

Core 12: 9,859–9,913 ft. Recovered 54 ft: 1.5 ft limestone; 8 ft limestone, light-tan, medium-coarse-grained, crystalline, hard, dense, dolomitic, open vertical fractures; 1 ft gray limestone; 22 ft limestone, light-tan as above; 2.5 ft gray limestone as above; 5.5 ft medium-crystalline, fossiliferous, brown limestone with occasional vertical fractures; 11 ft gray, fine-crystalline, fossiliferous limestone

Core 13: 9,913–9,973 ft. Recovered 60 ft: 2.5 ft limestone, gray; 10 ft fine-crystalline, medium-hard, brown dolomite,; 8 ft fine-crystalline to very fine crystalline, tan-gray limestone; 3 ft dolomite; 10 ft fine-crystalline to very fine crystalline dolomite; 1 ft very fine crystalline tan-brown limestone, 6.5 ft brown dolomite; 4 ft light-gray dolomite; 4 ft medium-brown dolomite as above; 4 ft limestone; 7 ft light-brown-gray, medium-coarse-crystalline limestone; 4 ft light-brown-gray, fine-crystalline limestone

Core 14: 9,973–10,031 ft. Recovered 58 ft: 3.5 ft light-gray dolomite; 1.5 ft gray shale; 7.5 ft medium-brown-gray dolomite; 8 ft dark-brown-gray microcrystalline dolomite; 5 ft gray-brown shale; 1.5 ft dolomite; 3 ft dolomite with some argillaceous material; 6.5 ft varicolored shale; 7.5 ft bright-green shale; 5 ft varicolored shale

Drill-stem test 8: 9,903–10,031 ft. Shut-in pressure 1,100 psi after 33 minutes, increasing. Open 90 minutes, shut in 30 minutes. Recovered 275 ft gas-cut mud. Flow pressure 105–135 psi, shut-in pressure 480 psi, hydrostatic pressure 5,720 psi, bottom-hole temperature 260°F



LOCATION MAP

EXPLANATION

Drill-stem test intreval

Core interval

Electrical logs used to construct the sections were obtained at the Denver Earth Resources Library, Denver, Colorado. Depths below the surface are given in feet, alongside each log. There are markings on the logs that do not particularly pertain to this publication.

CROSS SECTION *D–D'* SHOWING STRATIGRAPHIC VARIATION OF THE LEADVILLE LIMESTONE IN A WESTERLY DIRECTION ACROSS THE SOUTHERN PART OF THE PARADOX BASIN, COLORADO, NEW MEXICO, AND ARIZONA

By
James A. Cappa
1995