

| Class | Group | Fixed Carbon | | Volatile Matter | | Extr. Vol. (ml/g) | | Apparenting Character |
|--------------------|---|----------------------|-------------------|----------------------|-------------------|-----------------------|---------------------|-------------------------|
| | | Loss on Ignition (%) | Dist. Residue (%) | Loss on Ignition (%) | Dist. Residue (%) | Ex. per pound (lb/lb) | Weight of Water (%) | |
| I. Anthracitic | 1. Wet-sulfonorphic | 90 | ... | ... | ... | ... | ... | nonslaggenerating |
| | 2. Anthracitic Sulfonorphic | 80 | 80 | 0 | 0 | 100 | ... | |
| II. Bituminous | 1. Low volatile bituminous coal | 76 | 86 | 14 | 11 | ... | ... | commonly slaggenerating |
| | 2. Medium volatile bituminous coal | ... | ... | ... | ... | ... | ... | |
| | 3. High volatile bituminous coal | ... | ... | ... | ... | 11,000 | 15,000 | |
| | 4. High volatile bituminous coal | ... | ... | ... | ... | 11,000 | 15,000 | |
| III. Subbituminous | 1. High volatile bituminous coal | ... | ... | ... | ... | 10,500 | 11,500 | slaggenerating |
| | 2. Subbituminous B coal | ... | ... | ... | ... | 8,500 | 10,000 | |
| | 3. Subbituminous B coal Subbituminous C coal | ... | ... | ... | ... | 8,500 | 10,000 | |
| IV. Lignite | 2. Lignite A | ... | ... | ... | ... | 6,300 | 8,300 | nonslaggenerating |
| | 3. Lignite B | ... | ... | ... | ... | 6,300 | 8,300 | |

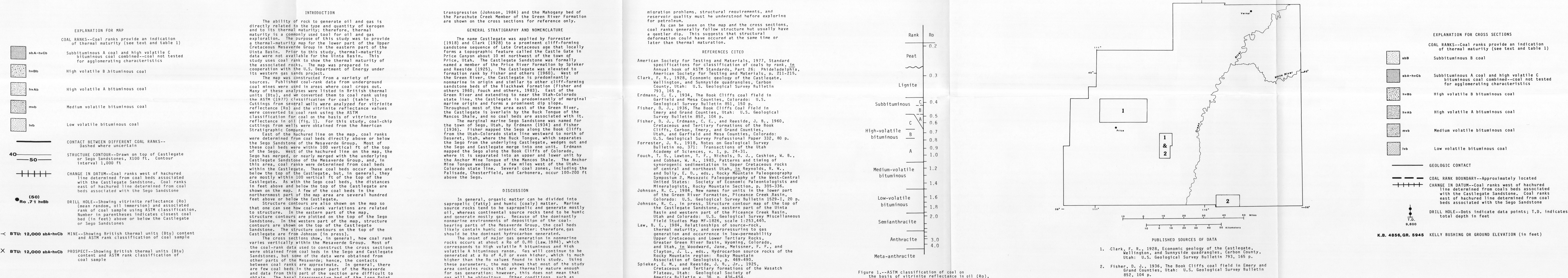
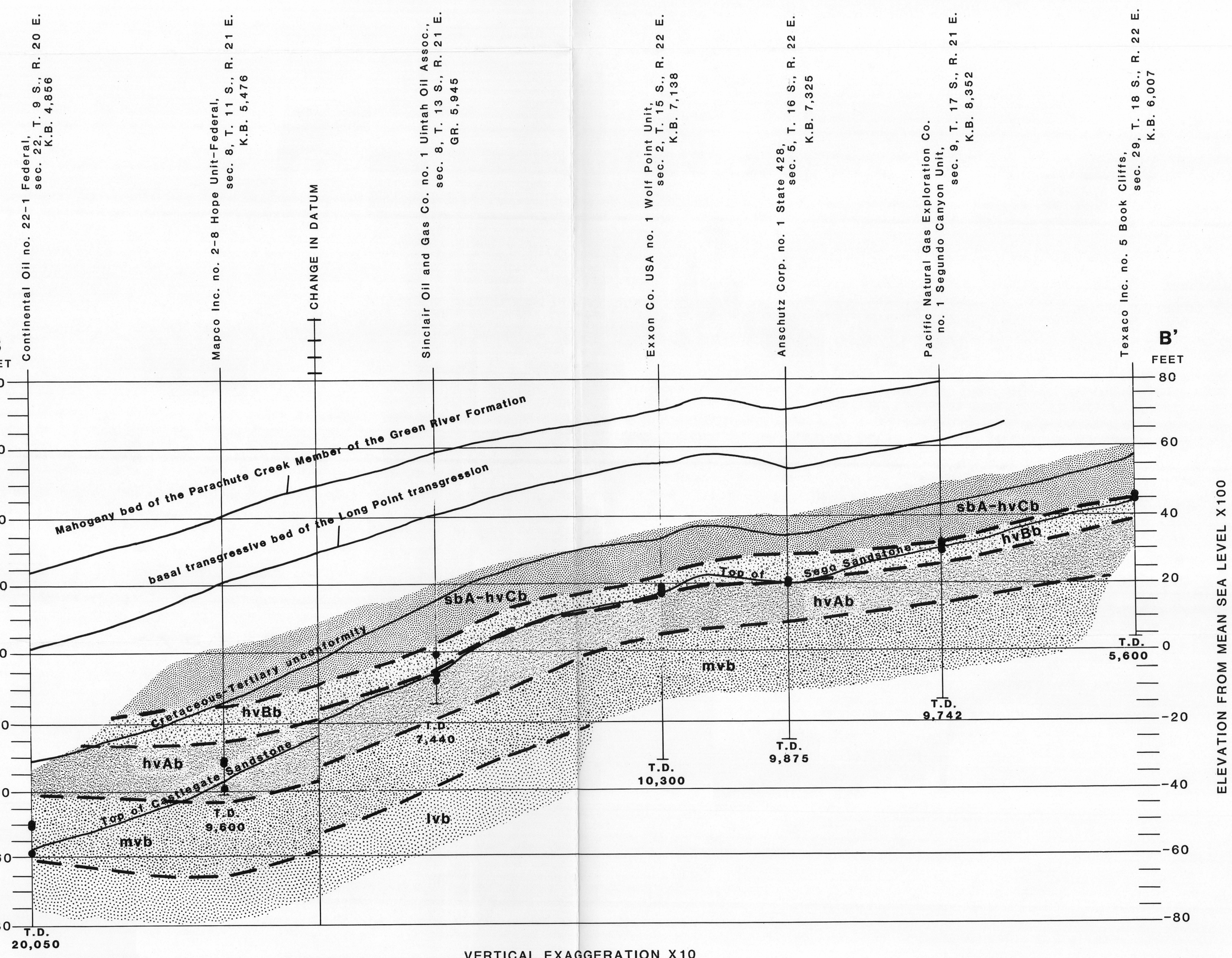
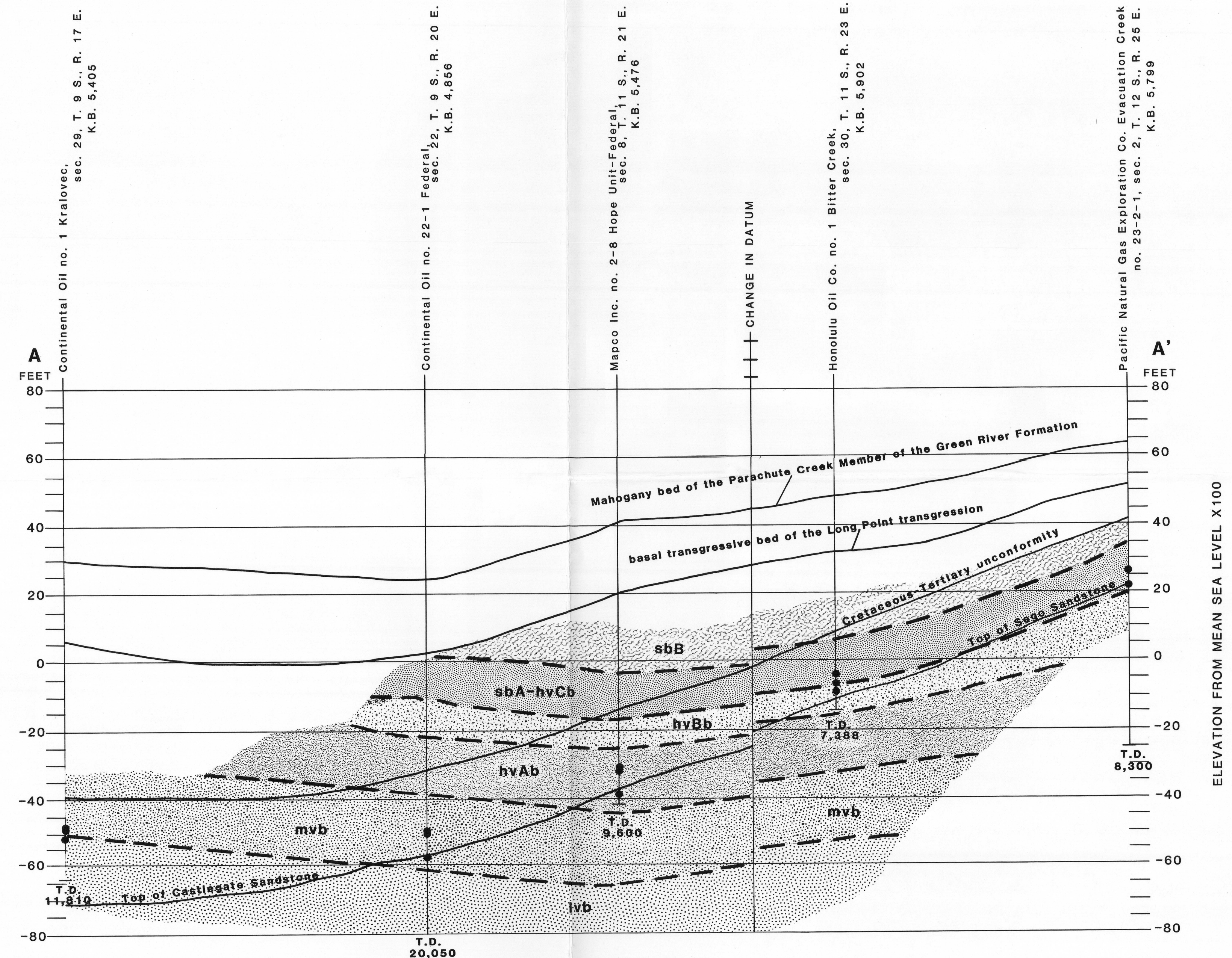
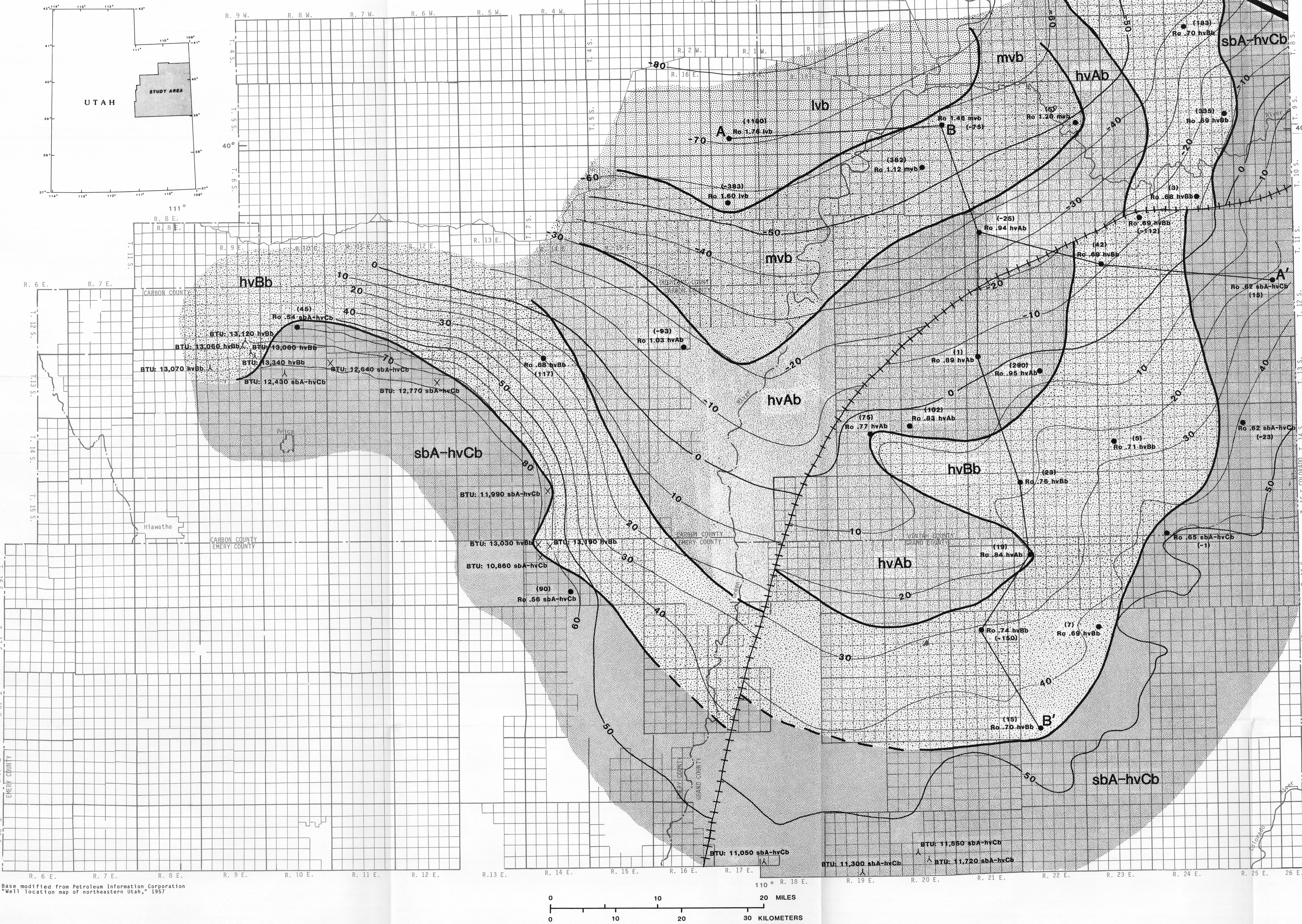
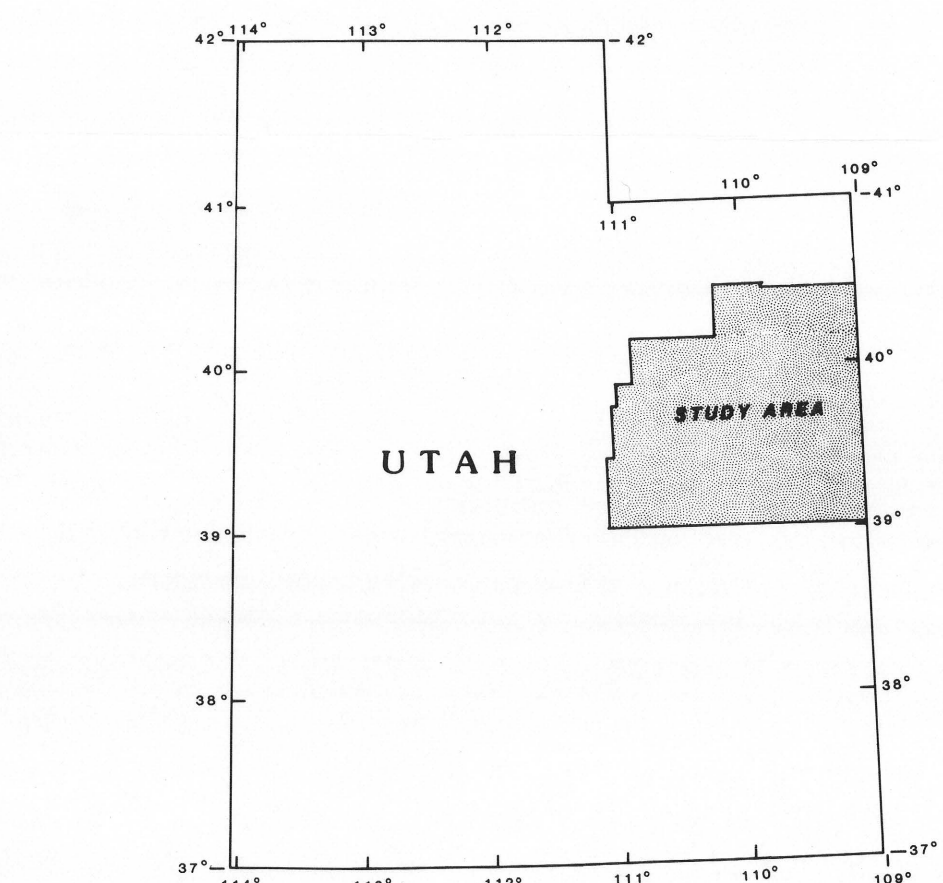
^aThis classification does not include a few coals, principally membered varieties, which have unusual physical and chemical properties and which come within the limits of fixed carbon or calorific value of the high-volatile bituminous and subbituminous ranks. All of these coals either contain less than 40 percent dry, mineral-matter-free fixed carbon or have more than 15.500 moist, mineral-matter-free volatile thermal units per pound.

^bMoist refers to coal containing its natural inherent moisture but not including visible water on the surface of the coal.

^cIf agglomerating, classify in low-volatile group of the bituminous class.

^dCoals having 60 percent or more dry fixed carbon in the dry, mineral-matter-free basis shall be classified according to fixed carbon, regardless of calorific value.

^eIt is recognized that there may be nonagglomerating varieties in these groups of the bituminous class, and there are notable exceptions in high volatile C bituminous groups.



THERMAL MATURITY MAP OF THE LOWER PART OF THE UPPER CRETACEOUS MESAVERDE GROUP, UINTA BASIN, UTAH

By
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1986