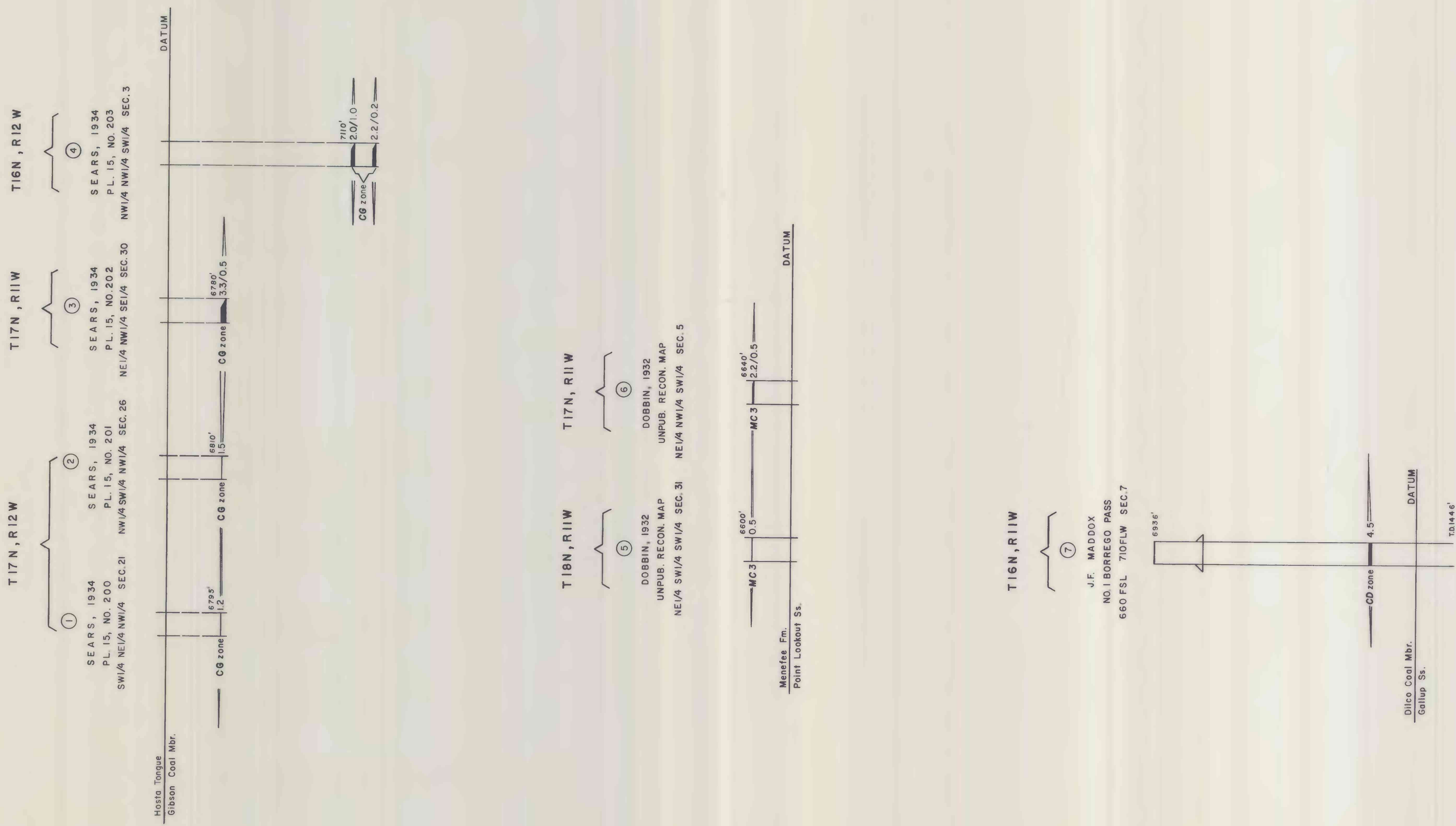


This report has not been edited for conformity with Geological Survey editorial standards or stratigraphic nomenclature.

CORRELATION OF COAL BEDS IN DRILL HOLE AND MEASURED SECTIONS

COMPOSITE COLUMNAR SECTION

| SYSTEM | SERIES | FORMATION | MEMBER | COAL BED NAME | LITHOLOGIC DESCRIPTIONS |
|------------|------------------|------------|-----------------|---------------|---|
| CRETACEOUS | UPPER CRETACEOUS | GALLUP SS. | CREVASSE CANYON | DILCO COAL | 1. SHALE; gray to brown, carbonaceous, sandy, abundant fauna and flora; interbedded siltstone and sandstone, light gray, medium grained. |
| | | | | | 2. COAL; Menefee Cleary No. 3 bed. |
| | | | | | 3. SANDSTONE; light gray to red-brown, fine to medium grained, salt and pepper, massive; occasional thin shale interbeds. |
| | | | | | 4. SHALE; light to dark gray, occasionally argillaceous; interbedded with sandstone, tan and buff, fine grained, well sorted, calcareous. |
| | | | | | 5. SANDSTONE; light gray to red brown, fine to medium grained, salt and pepper, massive; occasional thin shale interbeds. |
| | | | | | 6. SILTSTONE; medium gray, carbonaceous, slightly sandy; thinly interbedded with gray to tan, medium to very coarse grained, poorly sorted sandstone, and dark gray carbonaceous shale. |
| | | | | | 7-8. COAL; Crevasse Canyon Gibson zone. |
| | | | | | 9. SANDSTONE; yellow-gray, very fine grained, well sorted, quartzose, slightly calcareous, fossiliferous. |
| | | | | | 10. SHALE; light gray to tan, silty; interbedded with red-tan, very fine grained, micaceous sandstone and dark gray shale. |
| | | | | | 11. SILTSTONE; medium to dark gray, argillaceous to sandy; thinly interbedded with medium grained, tan sandstone, and dark gray carbonaceous shale. |
| | | | | | 12. COAL; Crevasse Canyon Dilco zone. |
| | | | | | 13. SANDSTONE; pink, tan, gray, fine to medium grained, moderately sorted, massive, locally cross-bedded and calcareous; occasional thin beds of shale, gray, argillaceous. |



COAL RESOURCE OCCURRENCE MAP OF THE HEART ROCK QUADRANGLE, MCKINLEY COUNTY, NEW MEXICO

BY
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1979