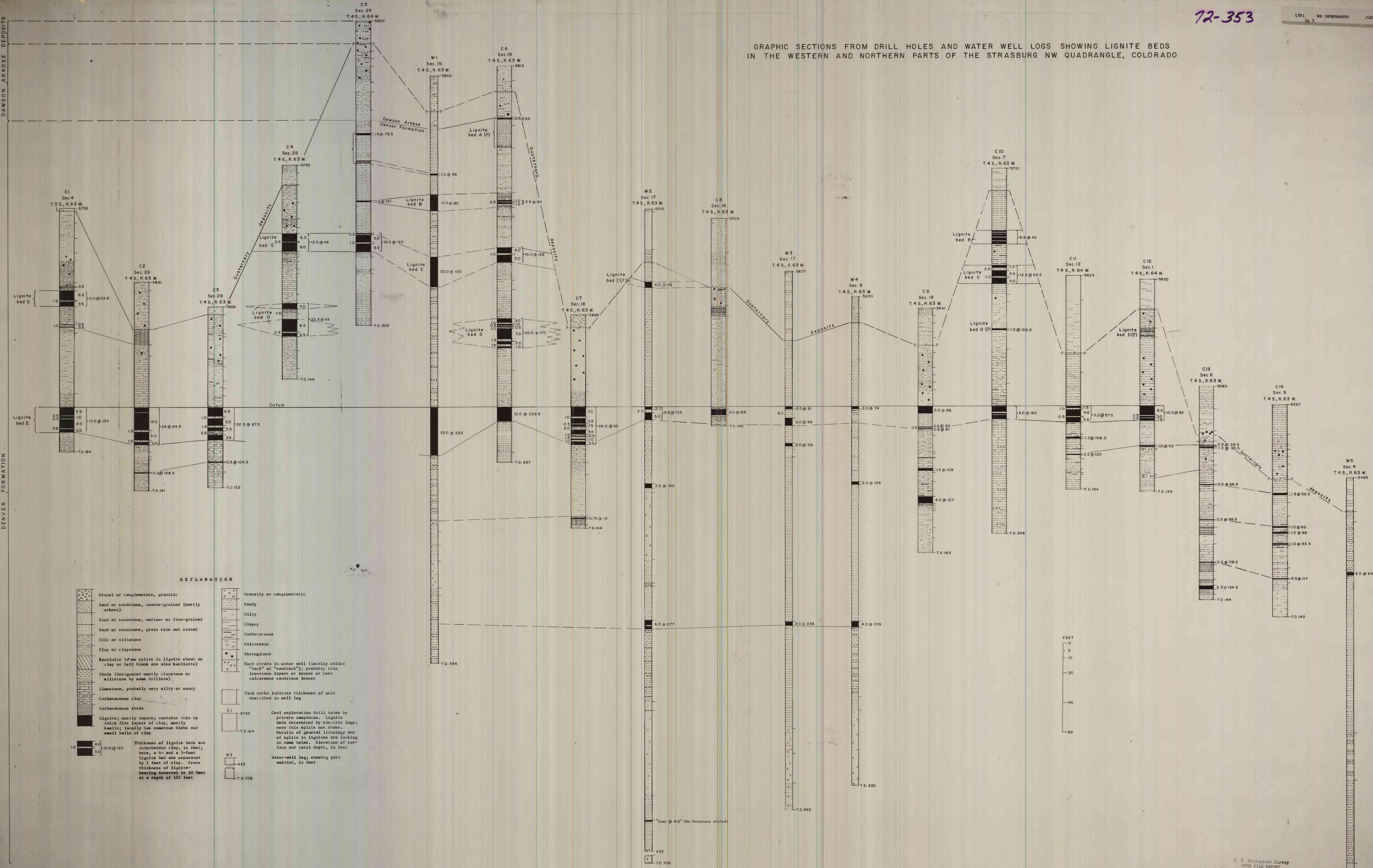


GRAPHIC SECTIONS FROM DRILL HOLES AND WATER WELL LOGS SHOWING LIGNITE BEDS IN THE WESTERN AND NORTHERN PARTS OF THE STRASBURG NW QUADRANGLE, COLORADO



EXPLANATION

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| | Gravel or conglomerate, granitic | | Gravely or conglomeratic |
| | Sand or sandstone, coarse-grained (mostly arkose) | | Sandy |
| | Sand or sandstone, medium- or fine-grained | | Silty |
| | Sand or sandstone, grain size not stated | | Clayey |
| | Silt or siltstone | | Carbonaceous |
| | Clay or claystone | | Calcareous |
| | Kaolinite (see splits in lignite shown as clay or left blank are also kaolinite) | | Ferruginous |
| | Shale (designated mostly claystone or siltstone by some drillers) | | Hard strata in water well (locally called "rock" or "sandrock"); probably thin ironstone layers or lenses or hard calcareous sandstone lenses |
| | Limestone, probably very silty or sandy | | Tick marks indicate thickness of unit described in well log |
| | Carbonaceous clay | | Coal exploration drill holes by private companies. Lignite beds determined by electric logs; very thin splits not shown. Details of general lithology and of splits in lignites are lacking in some holes. Elevation of surface and total depth, in feet |
| | Carbonaceous shale | | Water-well log; showing part omitted, in feet |
| | Lignite, mostly impure; contains thin to thick flat layers of clay, mostly kaolin; locally has numerous blebs and small balls of clay | | |
| | Thickness of lignite beds and interbedded clay, in feet; here, a 4- and a 5-foot lignite bed are separated by 1 foot of clay. Cross thickness of lignite-bearing interval is 10 feet at a depth of 122 feet | | |

