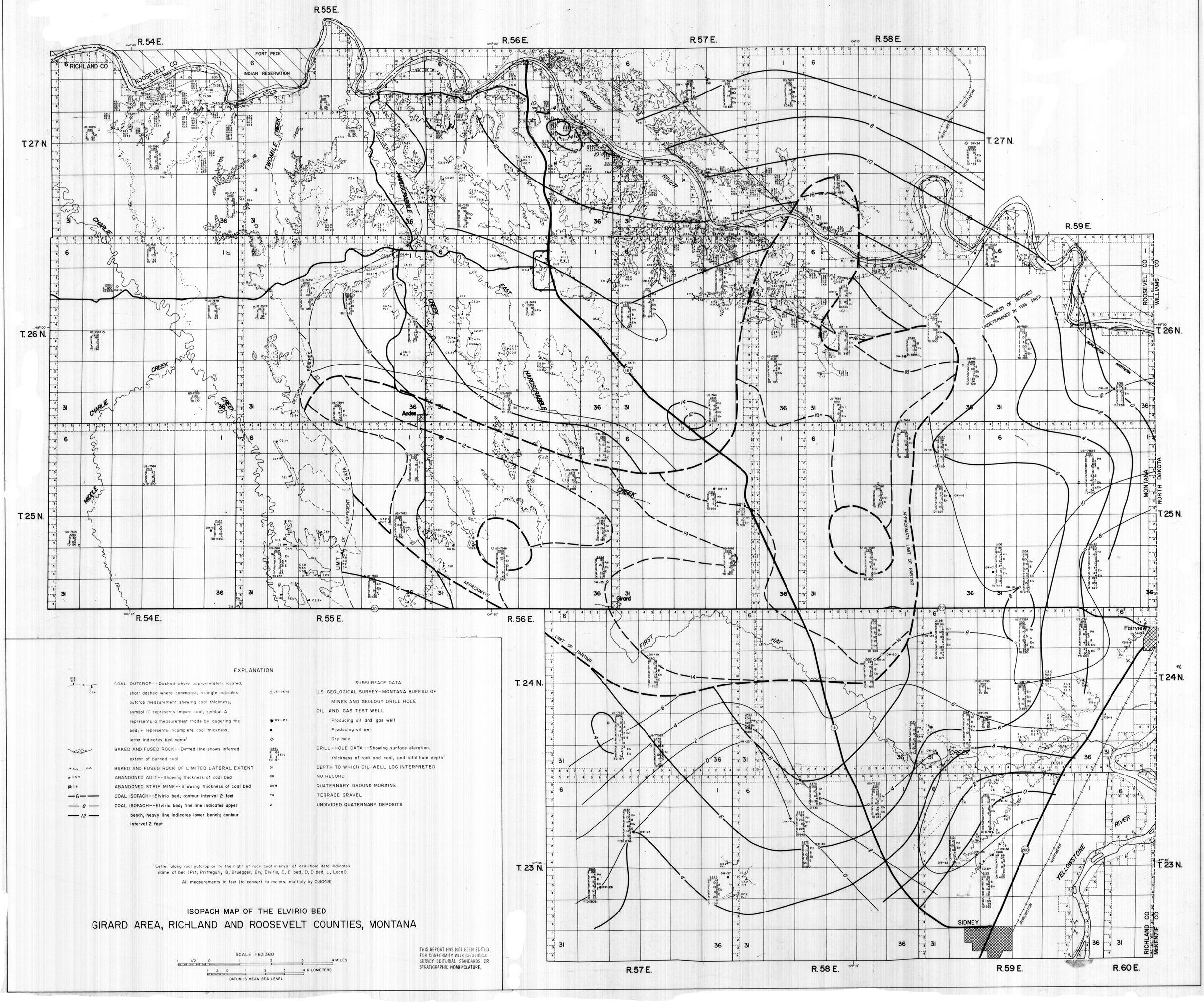
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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Plate 7 of 12



EXPLANATION

COAL OUTCROP--Dashed where approximately located, short dashed where concealed, triangle indicates outcrop measurement showing coal thickness; symbol IC represents impure coal, symbol A represents a measurement made by augering the bed; + represents incomplete coal thickness, letter indicates bed name[1]

BAKED AND FUSED ROCK--Dotted line shows inferred extent of burned coal

BAKED AND FUSED ROCK OF LIMITED LATERAL EXTENT

ABANDONED ADIT--Showing thickness of coal bed

ABANDONED STRIP MINE--Showing thickness of coal bed

COAL ISOPACH--Elvirio bed, contour interval 2 feet

COAL ISOPACH--Elvirio bed; fine line indicates upper bench, heavy line indicates lower bench; contour interval 2 feet

SUBSURFACE DATA

US-7575 — U.S. GEOLOGICAL SURVEY-MONTANA BUREAU OF MINES AND GEOLOGY DRILL HOLE

OIL AND GAS TEST WELL

OW-27 — Producing oil and gas well

Producing oil well

Dry hole

2550 / Dk / TD 97 / Elv — DRILL-HOLE DATA--Showing surface elevation, thickness of rock and coal, and total hole depth[1]

DI — DEPTH TO WHICH OIL-WELL LOG INTERPRETED

NR — NO RECORD

QGM — QUATERNARY GROUND MORAINE

TG — TERRACE GRAVEL

Q — UNDIVIDED QUATERNARY DEPOSITS

[1]Letter along coal outcrop or to the right of rock coal interval of drill-hole data indicates name of bed (Prt, Pritteguri, B, Bruegger, Elv, Elvirio, E, E bed, D, D bed, L, Local)

All measurements in feet (to convert to meters, multiply by 0.3048)

ISOPACH MAP OF THE ELVIRIO BED
GIRARD AREA, RICHLAND AND ROOSEVELT COUNTIES, MONTANA

SCALE 1:63 360

1 1/2 0 1 2 3 4 MILES

1 .5 0 1 2 3 4 KILOMETERS

DATUM IS MEAN SEA LEVEL

THIS REPORT HAS NOT BEEN EDITED FOR CONFORMITY WITH GEOLOGICAL SURVEY EDITORIAL STANDARDS OR STRATIGRAPHIC NOMENCLATURE.