OPEN FILE REPORT

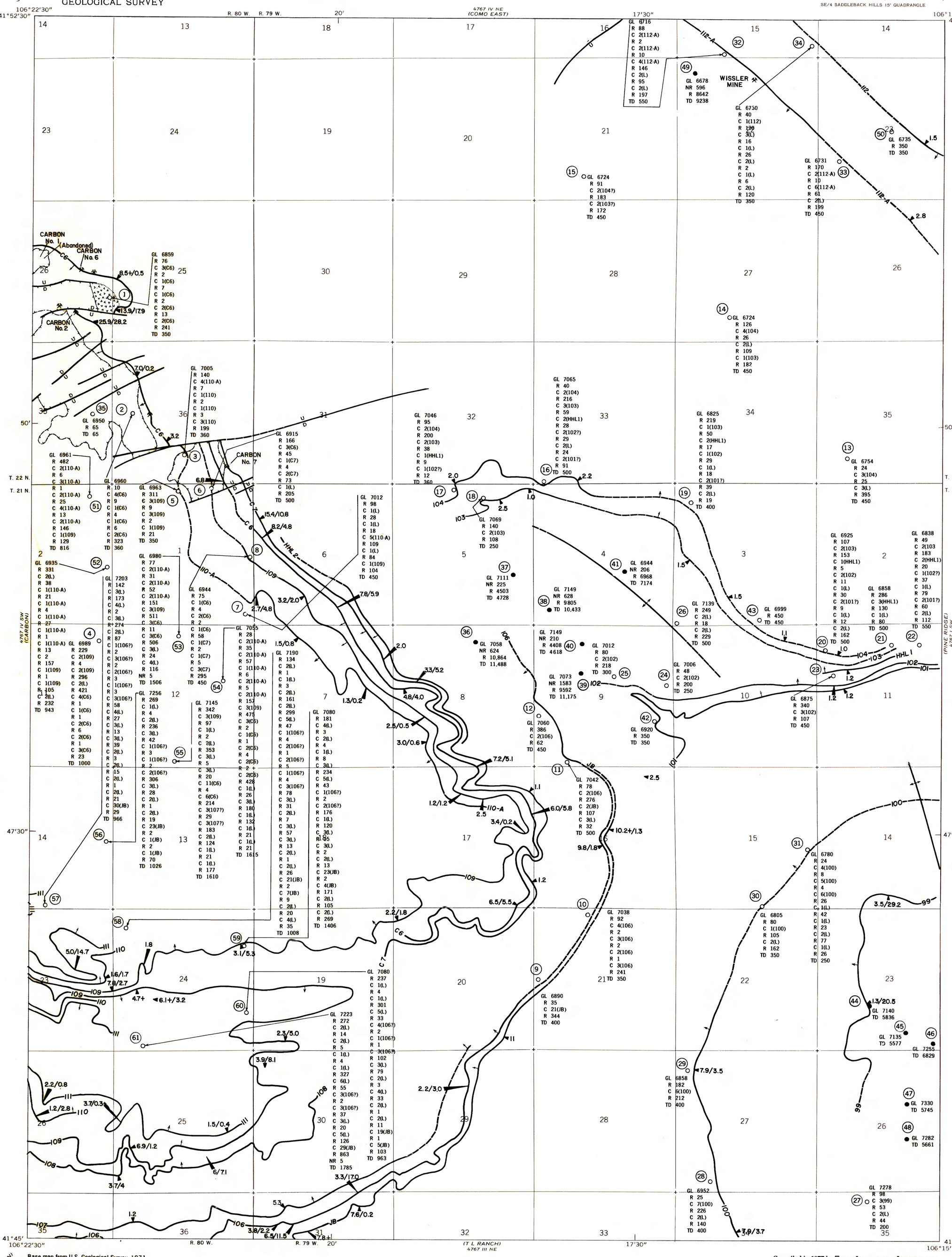
78-043

1 OF 31

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HALFWAY HILL QUADRANGLE
WYOMING–CARBON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 SADDLEBACK HILLS 15' QUADRANGLE



Base map from U.S. Geological Survey, 1971

Compiled in 1977 by TEXAS INSTRUMENTS INCORPORATED

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

GN MN 0°52' 16 MILS 14° 248 MILS

WYOMING

QUADRANGLE LOCATION

EXPLANATION

(18) GL 7069
R 140
C 2(103)
R 108
TD 250

COAL TEST HOLE–Showing index number of hole on plate 3 of CRO map and drill-hole data, in feet.

(37) GL 7111
NR 225
R 4,503
TD 4,728

OIL AND GAS TEST HOLE–Showing index number of hole on plate 3 of CRO map and drill-hole data, in feet.

GL–Ground level elevation
NR–No record
R–Rock interval
C–Coal interval
TD–Total depth

DRILL-HOLE DATA SYMBOLS

111
110-A
110
109
108
C6 = Carbon No. 6
C7
HHL2 = Halfway Hill Lens 2
107
106
JB = Johnson Bed
104
103
HHL1 = Halfway Hill Lens 1
102
101
100≈112-A
112
99
L = Local lens
HHL = Local bed identifier

COAL BED SYMBOLS AND NAMES

1.8 3.1/5.3 ——— ***109***

TRACE OF COAL BED OUTCROP–Line dashed where outcrop is uncertain. Showing thickness of coal, in feet, or ratio of coal thickness to interburden, in feet, measured at triangle. Letter and/or number designate name of coal bed as listed above. Arrow points toward coal-bearing area.

BURNED AND CLINKERED COAL BED–Showing area of baked and fused rock (, symbol). Dotted line indicates the inferred limit of burning.

U D

FAULT–Dashed where approximately located. U, upthrown side; D, downthrown side.

ANTICLINE–Showing crestline and plunge. Dashed where indefinite.

UNDERGROUND MINE WORKINGS

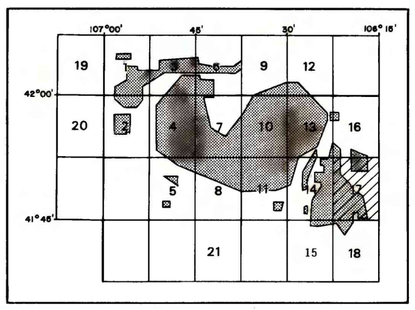
ABANDONED UNDERGROUND MINE

To convert feet to meters, multiply feet by 0.3048.

REFERENCES

Dobbin, C.E., Bowen, C.F., and Hoots, H.W., 1929, Geology and coal and oil resources of the Hanna and Carbon Basins, Carbon County, Wyoming: U.S. Geol. Survey Bull. 804, 88 p., 27 pls., 3 figs.

Glass, G.B., 1972, Mining in the Hanna coal field: Wyoming Geol. Survey Misc. Rept., 45 p., 13 figs.



MAP SHOWING LOCATION OF THE HALFWAY HILL (17) QUADRANGLE AND THE HANNA-CARBON BASINS KNOWN RECOVERABLE COAL RESOURCE AREA, WYOMING.

COAL RESOURCE OCCURRENCE MAP OF THE HALFWAY HILL QUADRANGLE, CARBON COUNTY, WYOMING

BY

TEXAS INSTRUMENTS INCORPORATED

1978

PLATE 1

COAL DATA MAP