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

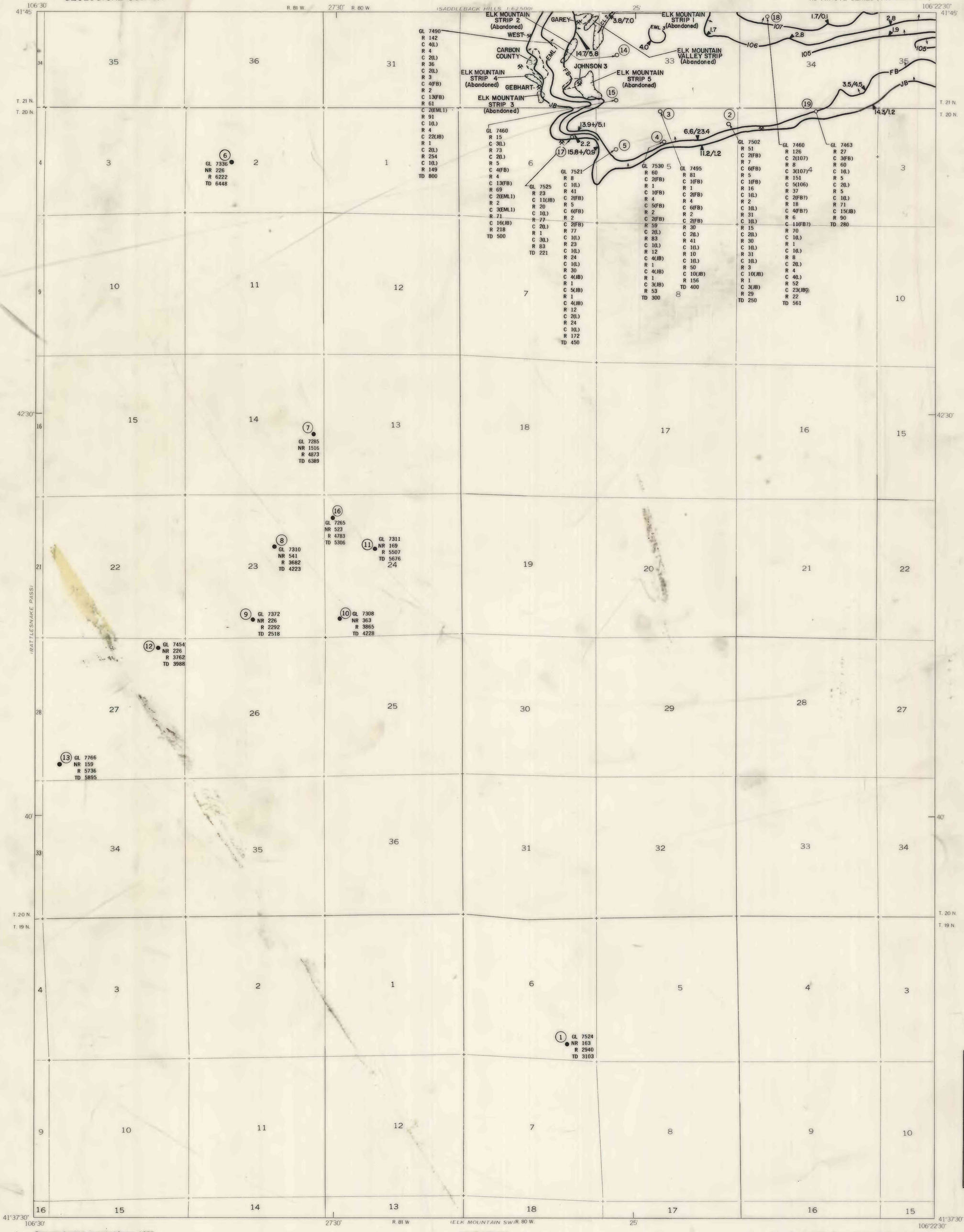
OPEN FILE REPORT

78-051

1 OF 15

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ELK MOUNTAIN QUADRANGLE
WYOMING-CARBON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)




Base map from U.S. Geological Survey, 1955

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETRE

14½°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1955

WYOMING
QUADRANGLE LOCATION

Compiled in 1977 by TEXAS INSTRUMENTS INCORPORATED

## EXPLANATION

GL 7502
R 51
C 2(FB)
R 7
\
TD 250

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

GL 7336
NR 226
R 6222
TD 6448

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

***107***
***106***
***105***
***EML3*** = Elk Mountain Lens 3
***CL2*** = Carbon Lens 2
***FB*** = Finch Bed
***EML1*** = Elk Mountain Lens 1
***JB*** = Johnson Bed
***L*** = Local lens
***EML, CL*** = Local bed identifier

COAL BED SYMBOLS AND NAMES

2.2 6.6/23.4 FB

TRACE OF COAL BED OUTCROP—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.

STRIP MINE

UNDERGROUND MINE WORKINGS

ABANDONED UNDERGROUND MINE

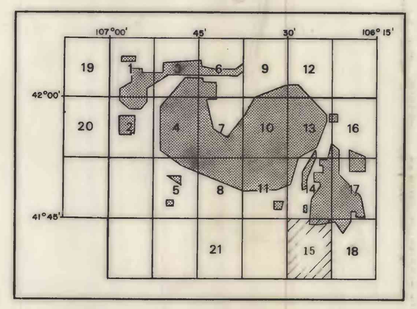
To convert feet to meters, multiply feet by 0.3048.

## 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.

Wyoming Geol. Survey, 1977, Plats of surface and underground mines: Wyoming Geol. Survey, unpublished data.




MAP SHOWING LOCATION OF THE ELK MOUNTAIN (15) QUADRANGLE AND THE HANNA-CARBON BASINS KNOWN RECOVERABLE COAL RESOURCE AREA, WYOMING.

# COAL RESOURCE OCCURRENCE MAP OF THE ELK MOUNTAIN QUADRANGLE, CARBON COUNTY, WYOMING

## BY

## TEXAS INSTRUMENTS INCORPORATED

## 1978

PLATE 1

COAL DATA MAP