UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NE¼ OF NORTH STAR SCHOOL 15' QUADRANGLE
WYOMING-CAMPBELL CO.

OPEN FILE REPORT 79-060
PLATE 1 OF 30

105°37'30" 35' R.73 W. R.72 W. 32'30" 105°30'
44°00' 57'30" 55' T.46 N. T.45 N. 43°52'30"

(3) GL 4842 NR 803 R 11 C 22(UWy) R 212 C 127(M-LWy) R 74 C 18(W) R 148 C 14(P) R 357 C 8(Wc) R 23 C 20(M) R 167 C 21(O) R 10+

(2) GL 4818 NR 579 R 26 C 16(S) R 109 C 11(UWy) R 177 C 37(MWy) R 4 C 98(LWy) R 102 C 23(W) R 151 C 12(P) R 278 C 8(Wc) R 92 C 23(M) R 170 C 22(O) R 11 C 6(O) R 10+

(4) GL 4938 R 236 C 8(F) R 56 TD 280

(6) GL 4980 NR 900 R 166 C 39(MWy) R 14 C 37(LWy) R 2 C 7(LWy) R 10 C 6(LWy) R 52 C 11(W) R 166 C 10(P) R 306 C 7(Wc) R 98 C 23(M) R 138 C 33(O) R 10+

Outcrop concealed by alluvium up drainages.

(7) GL 4769 NR 1445 R 54 C 7(Wc) R 71 C 19(M) R 185 C 6(O) R 2 C 17(O) R 3 C 6(O) R 10+

(10) GL 4818 NR 538 C 8+(S) R 783 C 11(P) R 247 C 5(Wc) R 128 C 18(M) R 173 C 4(O) R 3 C 18(O) R 4 C 7(O) R 10+

(9) GL 4867 NR 1524 R 99 C 3(Wc) R 115 C 19(M) R 192 C 14(O) R 4 C 6(O) R 10+

(11) GL 4868 NR 1586 R 88 C 5(Wc) R 82 C 21(M) R 177 C 16(O) R 9 C 6(O) R 10+

(8) GL 4755 R 76 C 6(F) R 352 C 13(S) R 154 C 13(UWy) R 40 C 41(MWy) R 223 C 48(LWy) R 69 C 6(W) R 147 C 8(P) R 279 C 3(Wc) R 101 C 19(M) R 190 C 3(O) R 7 C 17(O) R 5 C 5(O) R 10+

(14) GL 4868 NR 14 R 70 C 4(F) R 53 C 5(F) R 2 C 12(F) R 198 C 4(L) R 118 C 10(S) R 120 C 12(UWy) R 18 C 10(MWy) R 3 C 8(MWy) R 517 C 10(W) R 152 C 8(P) R 255 C 4(Wc) R 102 C 8(M) R 3 C 8(M) R 185 C 4(O) R 2 C 25(O) R 10+

(12) GL 4860 NR 1498 R 100 C 6(Wc) R 111 C 21(M) R 178 C 4(O) R 6 C 14(O) R 10 C 4(O) R 10+

(5) GL 4799 NR 292 R 262 C 11(S) R 147 C 13(UWy) R 28 C 39(MWy) R 247 C 55(LWy) R 55 C 11(W) R 138 C 10(P) R 330 C 7(Wc) R 4 C 7(Wc) R 25 C 28(M) R 176 C 12(O) R 26 C 5(O) R 10+

Outcrop concealed by alluvium up drainages.

(13) GL 4759 R 53 C 25(F) R 384 C 17(S) R 203 C 13(UWy) R 19 C 49(MWy) R 144 C 49(LWy) R 63 C 11(W) R 151 C 9(P) R 301 C 24(Wc) GTD 1504

(16) GL 476(NR 39 R 18 C 6(F) R 28 C 31(F) R 304 C 17(S) R 17(C 14(UWy) R 94+ C 53(MWy) R 112 C 53(LWy) R 87 C 10(W) R 10+

(15) GL 4703 R 315 C 14(S) R 130 C 12(UWy) R 18 C 44(MWy) R 147 TD 680

GL 4708 R 352 C 16(S) R 132+

GL 4766 R 376 C 15(S) R 109+

(1) GL 4771 R 82 C 6(F) R 2 C 16(F) R 134 TD 240

(17) GL 4892 R 101 C 5(F) R 15 C 27(F) R 346 C 13(S) R 142 C 12(UWy) R 115 C 52(MWy) R 138 C 45(LWy) R 44 C 4(W) R 181 C 6(P) R 394 C 14(M) R 112 C 3(L) R 138 C 3(O) R 10+

GL 4841 R 27 C 5(F) R 8 C 26(F R 346 C 13(S) R 75+

GL 4775 R 334 C 13(S) R 143 C 12(UWy) R 10+

F 6.4* 5.8* 5.4* 3.8* LF 4.9 UF 5.1* 10.9* 4.3 5.8 4.0

EXPLANATION

(1) COAL TEST HOLE

DRILL HOLE-From unpublished CRO-CDP Map

(2) OIL AND GAS TEST HOLE

Showing index number of hole on Plate 3 of CRO map and drill hole data in feet.

DRILL HOLE DATA SYMBOLS

GL-Ground level elevation
NR-No record
R-Rock interval
C-Coal interval
TD-Total depth
GTD-Gamma log total depth

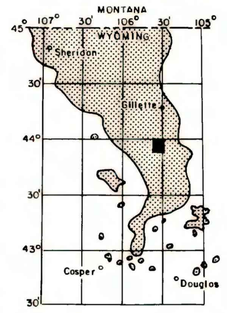
COAL BED SYMBOLS AND NAMES

F-Felix
S-Smith
UWy-Upper Wyodak
MWy-Middle Wyodak
LWy-Lower Wyodak
Wy-Wyodak
W-Wall
P-Pawnee
Wc-Wildcat
M-Moyer
O-Oedekoven
L-Local

3.8* UF — TRACE OF COAL BED OUTCROP-Showing coal thickness in feet, measured at triangle. Asterisk indicates measured section was not honored due to localized attenuation. Arrow points toward the coal-bearing area. "V" symbol indicates baked rock with dotted line showing limit of burning. Coal bed dashed where inferred.

To convert feet to meters multiply feet by 0.3048.

This outcrop mapping is derived and enlarged from 1:126,720 scale publications from Wegemann and others (1928, p. 1-14) and Dobbin and others (1928). Numerous irregularities in outcrop elevations and the areal geology-topographic map relationship emphasize that this map presents a generalized configuration of the coal bed outcrop. Horizontal accuracy of outcrop location is estimated at ± 1000 feet (305 m).



MAP SHOWING LOCATION OF THE NE¼ NORTH STAR SCHOOL 15' QUADRANGLE AND THE POWDER RIVER BASIN KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED), WYOMING

Base from U.S. Geological Survey, 1959

Compiled in 1979

SCALE 1:24000

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

QUADRANGLE LOCATION

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

COAL RESOURCE OCCURRENCE MAP OF THE NE¼ NORTH STAR SCHOOL 15' QUADRANGLE, CAMPBELL COUNTY, WYOMING

BY

IntraSearch

1979

PLATE 1
COAL DATA MAP