UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FOUR BAR J RANCH QUADRANGLE
WYOMING—CAMPBELL CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-046
PLATE I OF 55

105°45′ — 42′50″ — R. 74 W. — (ORIVA) R. 73 W. — 40′ — 105°37′30″
44°15′ — 12′30″ — T. 49 N. — T. 48 N. — 10′ — 44°07′30″

(SCOTT DAM) — (APPEL BUTTE) — (DOUBLE TANK) 4672 III SE — (SCAPER RESERVOIR) 4672 II SE — (GILLETTE WEST) 4672 I SE — (PLEASANTDALE)

GL 4661 R 297 C 30(F) R 173+

GL 4724 R 371 C 31(F) R 98+

GL 4753 R 424 C 30(F) R 461+

(1) GL 5062 NR 797 R 172 C 10(S) R 4 C 2(S) R 112 C 5(UA) R 154 C 27(LA) R 207 C 4(Co) R 23 C 17(W) R 65 C 12(W) R 183 C 5(P) R 116 C 31(P) R 215 C 9(Wc) R 435 C 4(L) R 10+

(2) GL 4982 R 57 C 5(U) R 873 C 7(S) R 8 C 5(S) R 86 C 11(UA) R 109 C 34(LA) R 255 C 19(Co) R 14 C 19(W) R 37 C 15(W) R 151 C 8(P) R 36 C 32(P) R 228 C 8(Wc) R 53 C 2(M) R 10+

(3) GL 4993 R 45 C 13(U) R 55 C 6(L) R 46 TD 165

(4) GL 4830 R 365 C 21(F) R 2 C 10(F) R 20 TD 418

(5) GL 4825 NR 802 R 173 C 56(A) R 19 C 13(C) R 129 C 13(Co) R 106 C 8(W) R 42 C 3(W) R 82 C 20(P) R 358 C 14(Wc) R 141 C 5(UO) R 63 C 14(LO) R 10+

(6) GL 4863 NR 801 R 278 C 62(A) R 23 C 20(C) R 125 C 10(Co) R 80 C 8(W) R 162 C 25(P) R 340 C 8(Wc) R 199 C 16(O) R 10+

(7) GL 4909 NR 810 R 78 C 10(S) R 280 C 60(A) R 14 C 16(C) R 100 C 10(Co) R 111 C 5(W) R 134 C 8(P) R 6 C 16(P) R 345 C 5(Wc) R 10+

GL 4922 R 450 C 42(F) R 8+

GL 4827 NR 1021 R 46 C 4(C) R 76 C 6(Co) R 214 C 21(P) R 364 C 16(Wc) R 36 C 5(M) R 10+

GL 4577 NR 1013 R 105 C 7(Co) R 193 C 20(P) R 394 C 17(Wc) R 40 C 4(M) R 10+

GL 4675 NR 980 R 84 C 4(C) R 140 C 6(Co) R 212 C 22(P) R 370 C 12(Wc) R 45 C 5(M) R 10+

GL 4664 R 259 R 315 C 18(S) R 226 C 52(A) R 12 C 5(A) R 131 C 7(C) R 117 C 6(Co) R 219 C 23(P) R 5 C 5(P) R 60 GTD 1488

GL 4727 R 320 C 25(F) R 318 C 17(S) R 17 GTD 697

GL 4664 NR 1013 R 45 C 8(C) R 85 C 6(Co) R 231 C 23(P) R 339 C 14(Wc) R 57 C 4(M) R 178 C 7(UO) R 10+

GL 4617 NR 488 R 49 C 14(S) R 222 C 43(A) R 177 C 9(C) R 84 C 5(Co) R 228 C 23(P) R 38 C 13(P) R 310 C 15(Wc) R 35 C 5(M) R 10+

GL 4635 NR 578 R 17 C 14(S) R 175 C 44(A) R 194 C 10(C) R 107 C 7(Co) R 246 C 25(P) R 27 C 9(P) R 264 C 9(Wc) R 50 C 5(M) R 235 C 3(UO) R 10+

GL 4618 R 238 C 31(F) R 308 C 18(S) R 187 C 45(A) R 192 C 9(C) R 98 C 5(Co) R 248 C 25(P) R 11 C 5(P) R 8 C 6(P) R 12 GTD 1446

GL 4735 R 330 C 28(F) R 314 C 18(S) R 170 C 46(A) R 94 GTD 1000

GL 4737 R 312 C 29(F) R 159+

GL 4759 R 346 C 32(F) R 308 C 22(S) R 286 C 57(A) R 91 C 15(C) R 217 C 14(W) R 66 C 19(P) R 199 C 8(Wc) R 375 C 7(UO) R 90 C 6(LO) R 10+

GL 4746 NR 905 C 36+(A) R 65 C 14(C) R 106 C 4(Co) R 160 C 9(W) R 99 C 8(P) R 193 C 5(Wc) R 403 C 3(UO) R 90 C 8(LO) R 10+

GL 4824 NR 356 R 32 C 27(F) R 83+

GL 4785 R 20 C 3(L) R 37 C 2(L) R 22 C 2(L) R 96 C 2(L) R 114 C 16(F) R 3 C 9(F) R 64 TD 390

GL 4794 NR 571 R 63 C 16(S) R 204 C 57(A) R 94 C 13(C) R 109 C 6(Co) R 191 C 7(W) R 84 C 10(P) R 186 C 5(Wc) R 448 C 6(LO) R 9 C 5(LO) R 10+

GL 4785 R 278 C 28(F) R 194 NR 741 R 70 C 5(W) R 92 C 10(P) R 208 C 20(Wc) R 69 C 6(L) R 95 C 5(M) R 245 C 4(LO) R 5 C 3(LO) R 10+

GL 4752 NR 162 R 111 C 22(F) R 205+

GL 4766 NR 156 R 123 C 26(F) R 195+

GL 4734 NR 165 R 59 C 17(F) R 5 C 6(F) R 248+

GL 4790 R 266 C 15(F) R 2 C 8(F) R 303 C 10(S) R 215 C 55(A) R 103 C 13(C) R 108 C 5(Co) R 200 C 4(W) R 71 C 16(P) R 436 C 5(M) R 131 C 8(UO) R 74 C 12(LO) R 10+

GL 4870 NR 314 R 33 C 28(F) R 125+

GL 4817 NR 8 R 320 C 28(F) R 322 C 20(S) R 176 C 58(A) R 126 C 13(C) R 247 C 7(W) R 83 C 12(P) R 580 C 5(UO) R 108 C 6(LO) R 5 C 5(LO) R 10+

GL 4833 R 355 C 16(F) R 3 C 10(F) R 116+

GL 4838 NR 20 R 57 C 6(L) R 441 C 32(F) R 315 C 13(S) R 2 C 6(S) R 76 C 6(UA) R 199 C 37(LA) R 30 C 8(LA) R 92 C 9(C) R 147 GTD 1496

GL 4665 NR 400 R 255 C 15(S) R 183 C 37(A) R 220 C 9(C) R 61 C 8(Co) R 257 C 23(P) R 8 C 12(P) R 239 C 11(Wc) R 49 C 3(M) R 10+

(16) GL 4865 NR 229 R 132 C 30(F) R 308 C 16(S) R 266 C 71(A) R 85 C 14(C) R 384 C 11(P) R 16 C 17(P) R 188 C 6(Wc) R 487 C 9(LO) R 10+

(17) GL 4855 NR 167 R 141 C 25(F) R 316 C 15(S) R 333 C 67(A) R 30 C 15(C) R 175 C 5(W) R 63 C 6(W) R 71 C 13(P) R 455 C 4(M) R 124 C 3(UO) R 111 C 11(LO) R 10+

(29) GL 4984 R 59 C 14(U) R 50 C 4(L) R 68 TD 195

EXPLANATION

(2) OIL AND GAS TEST HOLE

DRILL HOLE-From unpublished CRO-CDP Map

(3) COAL 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

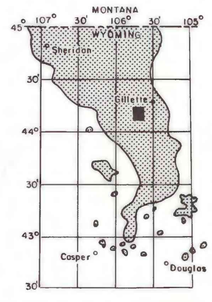
COAL BED SYMBOLS AND NAMES

U-Ulm
F-Felix
S-Smith
A-Anderson
UA-Upper Anderson
LA-Lower Anderson
C-Canyon
Co-Cook
W-Wall
P-Pawnee
Wc-Wildcat
M-Moyer
O-Oedekoven
UO-Upper Oedekoven
LO-Lower Oedekoven
L-Local

TRACE OF COAL BED OUTCROP-Showing coal thickness in feet. 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.

MAP SHOWING LOCATION OF THE FOUR BAR J RANCH QUADRANGLE AND THE POWDER RIVER BASIN KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED), WYOMING



Base from U.S. Geological Survey, 1971

Compiled in 1979

SCALE 1:24000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

GN MN 0°29′ 9 MILS 14½° 258 MILS
UTM GRID AND 1971 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

WYOMING
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 FOUR BAR J RANCH QUADRANGLE, CAMPBELL COUNTY, WYOMING

BY
IntraSearch
1979

PLATE I
COAL DATA MAP