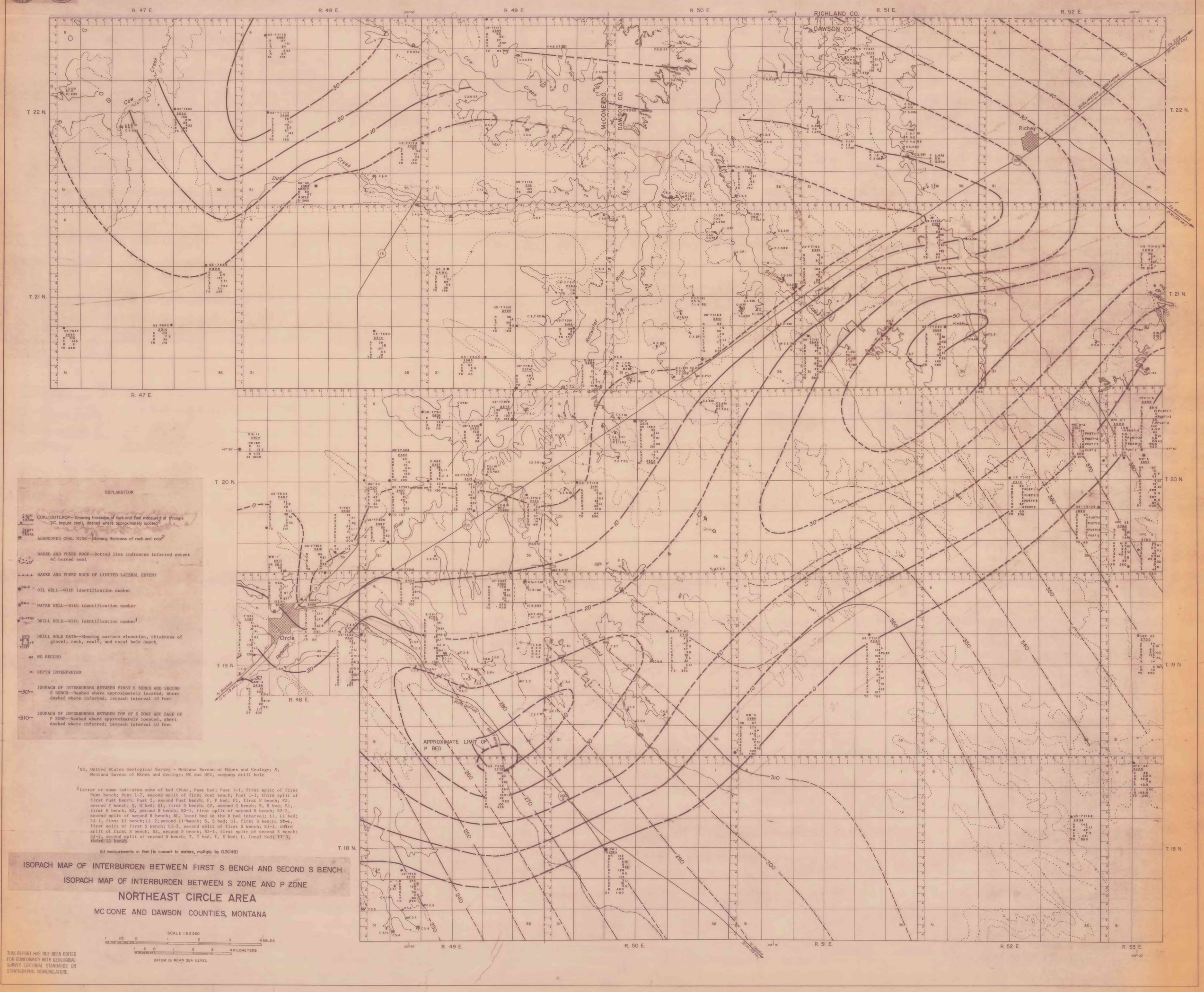


EXPLANATION

COAL OUTCROP--Showing thickness of rock and coal measured at triangle (IC, impure coal), dashed where approximately located[2]

ABANDONED COAL MINE--Showing thickness of rock and coal[2]

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

BAKED AND FUSED ROCK OF LIMITED LATERAL EXTENT

OW-3 OIL WELL--With identification number

WW-1 WATER WELL--With identification number

US-77181 DRILL HOLE--With identification number[1]

2372 GR 31 R 16 S 8 TD 137 DRILL HOLE DATA--Showing surface elevation, thickness of gravel, rock, coal[2], and total hole depth

NR NO RECORD

DI DEPTH INTERPRETED

-30- ISOPACH OF INTERBURDEN BETWEEN FIRST S BENCH AND SECOND S BENCH--Dashed where approximately located, short dashed where inferred, isopach interval 10 feet

-310- ISOPACH OF INTERBURDEN BETWEEN TOP OF S ZONE AND BASE OF P ZONE--Dashed where approximately located, short dashed where inferred; isopach interval 10 feet

[1]US, United States Geological Survey - Montana Bureau of Mines and Geology; S, Montana Bureau of Mines and Geology; WC and HFC, company drill hole

[2]Letter or name indicates name of bed (Pust, Pust bed; Pust 1-1, first split of first Pust bench; Pust 1-2, second split of first Pust bench; Pust 1-3, third split of first Pust bench; Pust 2, second Pust bench; P, P bed; P1, first P bench; P2, second P bench; Q, Q bed; Q1, first Q bench; Q2, second Q bench; R, R bed; R1, first R bench; R2, second R bench; R2-1, first split of second R bench; R2-2, second split of second R bench; RL, local bed in the R bed interval; L1, L1 bed; L1 1, first L1 bench; L1 2; second L1 bench; S, S bed; S1, first S bench; S1-1, first split of first S bench; S1-2, second split of first S bench; S1-3, third split of first S bench; S2, second S bench; S2-1, first split of second S bench; S2-2, second split of second S bench; T, T bed, U, U bed; L, local bed; L1 3, third L1 bench

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

# ISOPACH MAP OF INTERBURDEN BETWEEN FIRST S BENCH AND SECOND S BENCH

# ISOPACH MAP OF INTERBURDEN BETWEEN S ZONE AND P ZONE

## NORTHEAST CIRCLE AREA

MC CONE AND DAWSON 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.