

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Structure and structure contour maps of the Choteau 1°x2° quadrangle

Lewis and Clark, Teton, Powell, Missoula,

Lake, Flathead, and Cascade Counties, Montana

(To accompany U.S. Geological Survey

Open-File Report 79-280)

By

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Open-File Report 79-863

1979

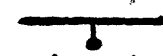





This report is preliminary and has not been

edited or reviewed for conformity with





U.S. Geological Survey standards.

EXPLANATION







Line symbols dashed where inferred

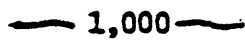

-  -- FAULT--Bar and ball on downthrown side
-  -- THRUST FAULT--Sawteeth on upper plate
-  -- ANTICLINE--Showing direction of plunge
-  -- SYNCLINE--Showing direction of plunge
-  -- OVERTURNED ANTICLINE--Showing direction of dip of limbs
-  -- OVERTURNED SYNCLINE--Showing direction of dip of limbs

STRIKE AND DIP OF BEDS

-  25
Inclined
-  Vertical
-  50
Overtaken
-  Horizontal

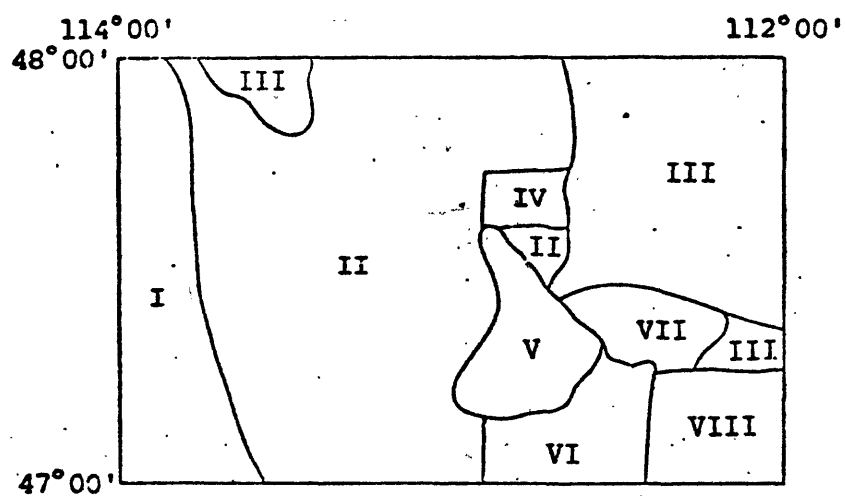
OIL AND GAS WELLS

-  Dry hole
-  Gas well, abandoned or shut in
-  Oil well
-  Dry hole, with show of oil
-  Dry hole, with show of gas
-  Dry hole, with show of oil and gas

-  1,000 -- STRUCTURE CONTOURS--Shown only on plate 2. On present top of Mississippian rocks. Dashed where inferred. Hachures indicate depression contour. Datum is mean sea level (in feet)
-  -- APPROXIMATE EAST EDGE OF DISTURBED BELT

Well data mostly from Petroleum Information Corporation, Denver,
Colorado

MAP CREDIT



(Numbers refer to references
listed on next page)

Data modified, from the following sources:

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- II. Harrison, J. E., Reynolds, M. W., Kleinkopf, M. D., and Pattee, E. C., 1969, Mineral resources of the Mission Mountains Primitive Area, Missoula and Lake Counties, Montana: U.S. Geological Survey Bulletin 1261-D, 48 p.
- III. Mudge, M. R., unpublished geologic maps, U.S. Geological Survey.
- IV. _____ 1972, Pre-Quaternary rocks in the Sun River Canyon area: U.S. Geological Survey Professional Paper 663-A, 142 p.
- V. Earhart, R. L., Grimes, D. J., Leinz, R. W., and Marks, L. Y., 1976, Mineral resources of the Scapegoat additions, Powell and Lewis and Clark Counties, Montana: U.S. Geological Survey Bulletin 1430, p. 63.

Mudge, M. R., Earhart, R. L., Watts, K. C., Tuckek and Rice, 1974, Mineral resources of the Scapegoat Wilderness, Powell and Lewis and Clark Counties, Montana: U.S. Geological Survey Bulletin 1385-B, 82 p.
- VI. Whipple, J. W., Mudge, M. R., and Earhart, R. L., unpublished geologic maps, U.S. Geological Survey.
- VII. Harris, F. G., III, 1963, Geology of the Dry Creek area, Lewis and Clark County, Montana: Univ. of Missouri, M. A. thesis, 114 p.

Viele, G. W., 1960, The geology of the Flat Creek area, Lewis and Clark County, Montana: Utah Univ., PH.D. thesis, 213 p.

VIII. Schmidt, R. G., 1972, Geologic map of the Wolf Creek quadrangle, Lewis and Clark County, Montana: U.S. Geological Survey Quadrangle Map GQ-974.

_____ 1972, Geologic map of the Coburn Mountain quadrangle, Lewis and Clark County, Montana: U.S. Geological Survey Quadrangle map GQ-975.

_____ 1972, Geologic map of the Comb Rock quadrangle, Lewis and Clark County, Montana: U.S. Geological Survey Quadrangle Map GQ-976.

Schmidt, R. G., and Strong, C. P., Jr., 1972, Geologic map of the Roberts Mountain quadrangle, Lewis and Clark County, Montana: U.S. Geological Survey Quadrangle Map GQ-977.