Open File MBMG 389, Plate 1 of 2 Geologic Map, Malta 30'x60' Quadrangle MONTANA BUREAU OF MINES AND GEOLOGY A Department of Montana Tech of The University of Montana MALTA, MONTANA

108°00′ 28000mE 2375 R 29 E 30X60 MINUTE SERIES (TOPOGRAPHIC) INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1984 SCALE 1:100 000

1 CENTIMETER ON THE MAP REPRESENTS 1 KILOMETER ON THE GROUND

CONTOUR INTERVAL 20 METERS

5000

10 000

10 000

10 000

40 000

50 000

60 000

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Geologic and Structure Contour Maps of the Malta 30' x 60' Quadrangle Northeastern Montana

Robert N. Bergantino

1999

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http://www.mbmg.mtech.edu

MALTA, MONTANA 48107-A1-TM-100

MAP UNITS

Qal Alluvium of modern channels and floodplains

Qg Glacial deposits, undivided

Qls Landslide deposit

Tsg Sand and gravel

Kb Bearpaw Shale

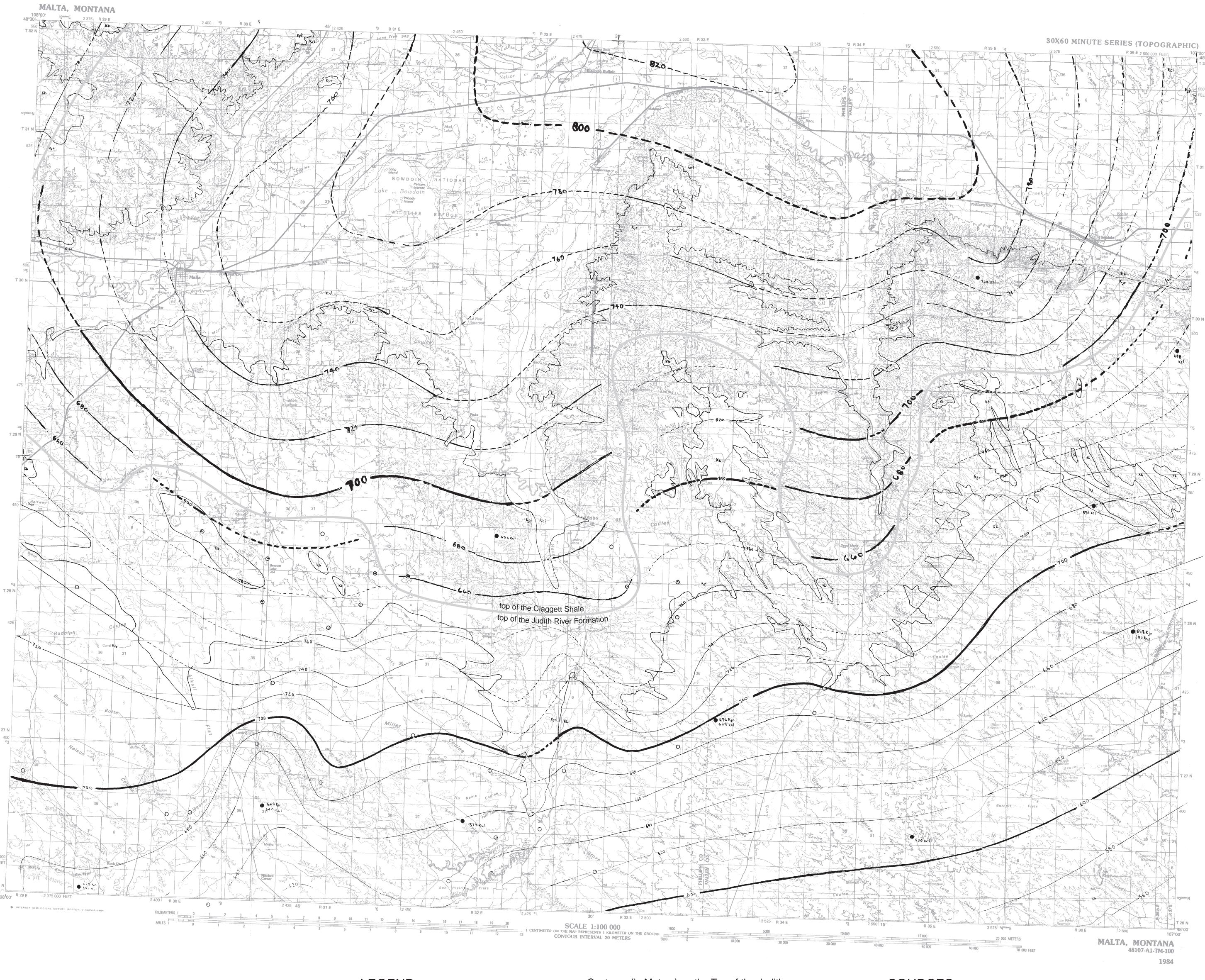
Kcl Claggett Shale

Kjr Judith River Formation

1984

Open File MBMG 389, Plate 2 of 2
Structure Contour Map, Malta 30'x60' Quadrangle

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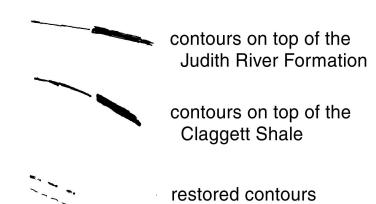
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LEGEND

- кь Bearpaw Shale
- Kyr Judith River Formation
- Kcl Claggett Shale
- water well, approximate data only, altitudes not given
- control well, Feltis and others 1981

Contour Interval: 20 meters



Contours (in Meters) on the Top of the Judith River Formation and Claggett Shale

division between contours of the top of the Judith River Formation, below the line, and top of the Claggett Shale, above the line

SOURCES

Feltis, R.D. and others, 1981, Selected geologic data from the northern Great Plains area of Montana: U.S. Geolgical Survey Open-file Report 81-415.

Additional contour information from:

- Collier, A.J., 1917, The Bowdoin dome, U.S. Geolgical Survey Bulletin 661, p. 193-209, plate 9, map scale1:375,000.
- Erdmann, C.E. and Schwabrow, J.R.,1932, Structural contour map of the central part of the Bowdoin dome, [unpublished map]: U.S. Geological Survey, map scale 1:125,000
- Osterkamp, W.R., 1968, Occurrence of ground water in the Judith River Formation, north central Montana: U.S. Geological Survey Hydrologic Investigations Atlas HA-306, map scale 1:250,000.

