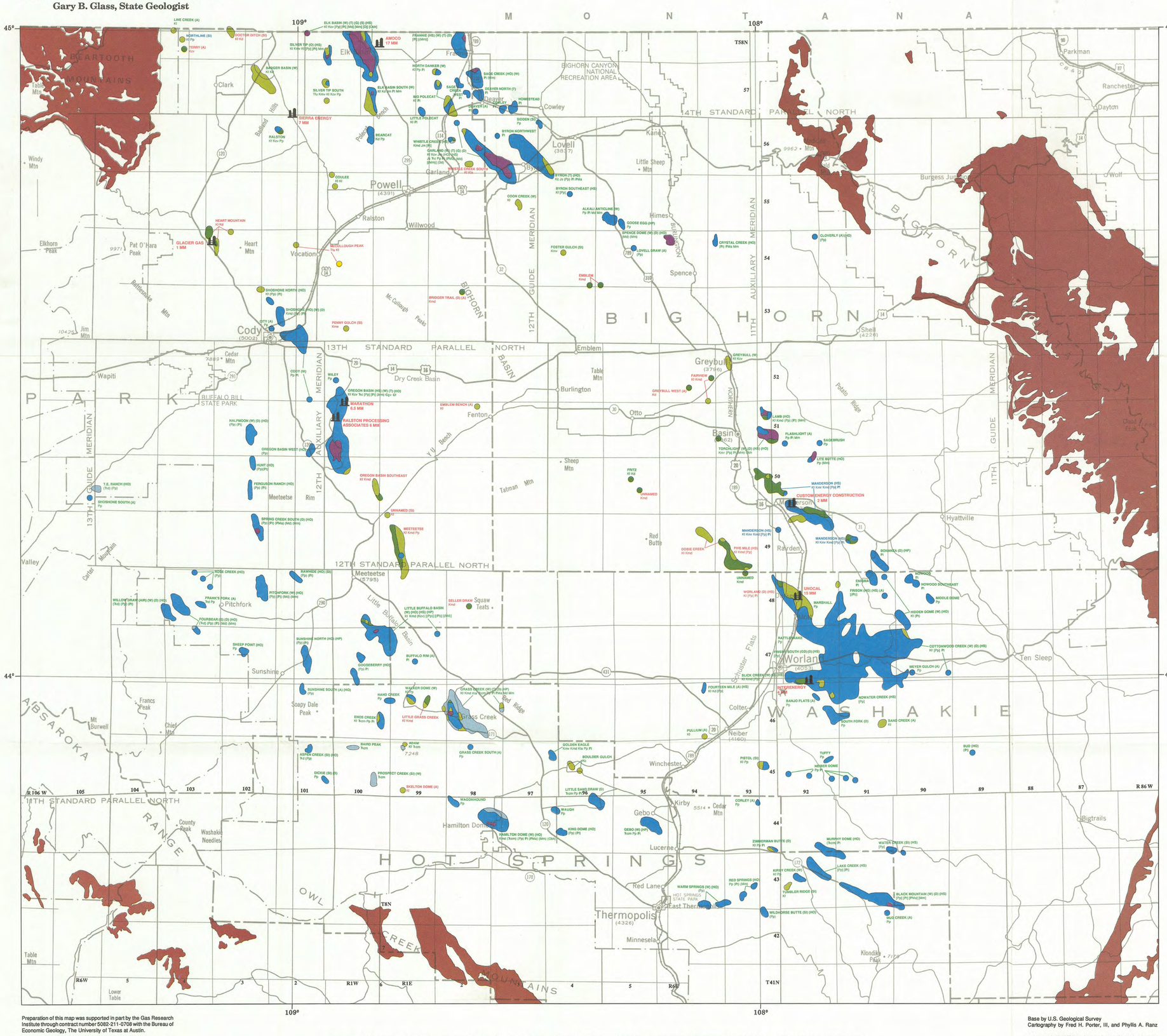
THE GEOLOGICAL SURVEY OF WYOMING
Gary B. Glass, State Geologist

MAP SERIES 40
Bighorn Basin oil and gas map



EXPLANATION

PREDOMINANT AGE OF PRODUCTIVE ROCKS

- TERTIARY
- UPPER CRETACEOUS
- LOWER CRETACEOUS
- JURASSIC-TRIASSIC
- PERMIAN-PENNSYLVANIAN
- MISSISSIPPIAN-DEVONIAN-ORDOVICIAN-CAMBRIAN

FIELD DESIGNATIONS

(A)	Abandoned field	(HP)	Huff 'n' Puff tertiary project
(AIR)	Air injection project	(HS)	Hydrogen sulfide
(D)	Produced water disposal project	(S)	Gas or LPG storage
(G)	Gas injection project	(SI)	Shut-in field
(GD)	Gas disposal project	(T)	Tertiary project
(HO)	Heavy oil - less than 20° API gravity	(W)	Waterflood project

FIELDS

(New fields are spotted through October 1, 1992. Field boundaries are approximate.)

KIRBY CREEK (W) KI Pp — Green denotes fields that primarily produce oil.

HEART MOUNTAIN KI Kd — Red denotes fields that primarily produce gas.

NORTHLINE (SI) KI Pp — Blue denotes fields that produce significant amounts of both oil and gas.

UNDIFFERENTIATED PRECAMBRIAN ROCKS EXPOSED AT THE SURFACE

AMOCO 17 MM — GAS PROCESSING PLANT
Notation includes operator and capacity in millions of cubic feet per day. Locations are approximate.

INDEX OF PRODUCTIVE FORMATIONS

TERTIARY
- Ttu — Fort Union Formation

UPPER CRETACEOUS
- Kl — Lance Formation
- Kme — Meeteetse Formation
- Kmv — Mesaverde Formation
- Kc — Cody Shale
- Kf — Frontier Formation
- Kmr — Mowry Shale

LOWER CRETACEOUS
- Kmd — Muddy Sandstone
- Kcv — Cloverly Formation
- Kd — Dakota Sandstone[1]
- Kla — Lakota Sandstone

JURASSIC
- Jm — Morrison Formation
- Js — Sundance Formation

TRIASSIC
- TRc — Chugwater Formation (or Group)
- TRcm — Crow Mountain Formation (or Member)
- TRd — Dinwoody Formation

PERMIAN
- Pp — Phosphoria Formation

PENNSYLVANIAN
- IPt — Tensleep Sandstone

PENNSYLVANIAN/MISSISSIPPIAN
- IPMa — Amsden Formation

MISSISSIPPIAN
- Md — Darwin Sandstone
- Mm — Madison Limestone

DEVONIAN
- Dj — Jefferson Limestone
- Dd — Darby Formation

ORDOVICIAN
- Obh — Bighorn Dolomite

CAMBRIAN
- €gv — Gros Ventre Formation
- €f — Flathead Sandstone

[1]Formation name not commonly used in the Bighorn Basin, Wyoming.

(Both abandoned and currently producing formations are shown for each field.)

(Kf) Formations which produce heavy oil are enclosed with parentheses.

[Mm] Formations which produce significant hydrogen sulfide are enclosed with brackets.

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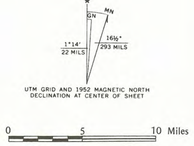
LOCATION MAP



0 5 10 Miles

0 5 10 Kilometers

Scale 1:316,800

Preparation of this map was supported in part by the Gas Research Institute through contract number 5082-211-0708 with the Bureau of Economic Geology, The University of Texas at Austin.

1,000 copies printed by Cheyenne Newspapers, Inc., Cheyenne, Wyoming.

OIL AND GAS FIELDS MAP OF THE BIGHORN BASIN, WYOMING

by

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1993

Base by U.S. Geological Survey
Cartography by Fred H. Porter, III, and Phyllis A. Ranz

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