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

MAP SERIES 42
Oil and Gas Fields Map of Southeastern Wyoming Basins

MS-42

EXPLANATION

PREDOMINANT AGE OF PRODUCTIVE ROCKS

- TERTIARY
- UPPER CRETACEOUS
- LOWER CRETACEOUS
- JURASSIC-TRIASSIC
- PERMIAN-PENNSYLVANIAN

INDEX OF PRODUCTIVE FORMATIONS

TERTIARY
- Tha Hanna Formation

UPPER CRETACEOUS
- Kmv Mesaverde Formation
- Ksh Shannon Sandstone
- Kn Niobrara Formation
- Kcd Codell Sandstone
- Kf Frontier Formation
- Kmr Mowry Shale

LOWER CRETACEOUS
- Kmd Muddy Sandstone
- Kd Dakota Sandstone[1]
- Kla Lakota Sandstone

JURASSIC
- Jm Morrison Formation
- Js Sundance Formation

JURASSIC/TRIASSIC
- J'Tn Nugget Sandstone

PERMIAN/PENNSYLVANIAN
- PPc Casper Formation

PENNSYLVANIAN
- Pt Tensleep Sandstone

[1]Formation name not formally recognized in Wyoming. Equivalent to part of the Cloverly Formation.

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

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

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

FIELD DESIGNATIONS

- **(A)** Abandoned field
- **(CM)** Coalbed methane
- **(D)** Produced-water disposal project
- **(HD)** Horizontal-drilling project
- **(HO)** Heavy oil - less than 20° API gravity
- **(HS)** Hydrogen sulfide
- **(S)** Gas or LPG storage
- **(SI)** Shut-in field
- **(W)** Waterflood project

FIELDS

(New fields are spotted through February, 1993. Field boundaries are approximate.)

CHUGSPRINGS (A) Kn Kcd — Green denotes fields that primarily produce oil.

DIAMOND DOME Kah — Red denotes fields that primarily produce gas.

ALLEN LAKE EAST (D) Js PPc Pt — Blue denotes fields that produce significant amounts of both oil and gas.

OTHER SYMBOLS

- UNDIFFERENTIATED PRECAMBRIAN ROCKS EXPOSED AT THE SURFACE
- APPROXIMATE EXTENT OF BASINS
- INCLINE RESERVES 0.5 MM — GAS PROCESSING PLANT. Notation includes operator and capacity in millions of cubic feet per day. Locations are approximate.
- FRONTIER OIL REFINING 41,000 B/D — REFINERY. Notation includes operator and capacity in barrels of oil per day. Locations are approximate.

REFERENCES

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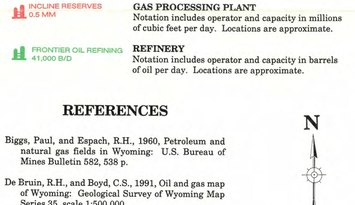
N

5 0 5 Miles
5 0 5 Kilometers
Scale 1:316,800

LOCATION MAP



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OIL AND GAS FIELDS MAP OF SOUTHEASTERN WYOMING BASINS

by

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