Energy, Mines and Resources Canada | Énergie, Mines et Ressources Canada

MAP 1558A
GAS POOLS OF WESTERN CANADA

Information to June 30, 1981; minor revisions to October, 1989

Scale 1:1 013 760 – Échelle 1/1 013 760

Kilometres 25 0 25 50 75 Kilometres

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LEGEND

ALBERTA | N.E. BRITISH COLUMBIA | SASKATCHEWAN | MANITOBA

TERTIARY AND UPPER CRETACEOUS
- Paskapoo Fm, Edmonton Gp, Belly River Gp, Foremost Fm, Pakowki Fm, Milk River Fm, Chinook Mbr, First White Speckled Shale, Medicine Hat Sand
- Cardium Fm, Jumpingpound Mbr, Second White Speckled Shale, Dowling Fm, Puskwaskau Mbr, Dunvegan Fm, Fish Scale sandstone

LOWER CRETACEOUS
- Bow Island Fm, Viking Fm, Peace River Fm, Pelican Fm, Paddy Mbr, Cadotte Mbr, Basal Colorado Gp — Cadotte Mbr — Viking Fm, Unity Sand
- Upper Blairmore Gp, Upper Mannville Gp, Spirit River Fm, Notikewin Mbr, Falher Mbr, Bluesky Fm, Grand Rapids Fm, St. Edouard Mbr, Colony Sand, Sparky Sand, Wainwright Sand, General Petroleum Sand, Lloydminster Fm, Cummings Mbr, Clearwater Fm, Wabiskaw Mbr, Basal Sandstone, Glauconitic Sandstone — Bluesky Fm — Colony Fm, McLaren Mbr, Wasieca Mbr, Sparky Sand, General Petroleum Sand, Rex Sand, Lloydminster Fm, Basal Blairmore Gp, Cummings Mbr
- Lower (Basal) Mannville Gp, Lower (Basal) Blairmore Gp, Gething Fm, McMurray Fm, Dina Mbr, Ostracod Zone, Ellerslie Mbr (Basal Quartz), Moulton Sand, Sunburst Sand, Cutbank Sandstone, Taber Sand, Cadomin Fm, Detrital Zone, Nikanassin Fm — Gething Fm, Dunlevy Fm — Cantuar Sand, Basal Cantuar Sand, Dina Mbr, Detrital Zone

JURASSIC
- Fernie Fm, Ellis Gp, Swift Fm, Sawtooth Fm, Nordegg Mbr — Roseray Sand, Wapelle Sand, Shaunavon Fm

TRIASSIC
- Baldonnel Fm, Charlie Lake Fm, Inga Mbr, Boundary Lake Mbr, Halfway Fm, Montney Fm — Baldonnel Fm, Charlie Lake Fm, Siphon Mbr, Cecil Mbr, Boundary Lake Mbr, Basal Boundary Lake Mbr, Coplin Mbr, Mica Mbr, Blueberry Mbr, Inga Mbr, North Pine Mbr, Pingle Mbr, "A" Sand Mbr, Halfway Mbr, Doig Fm — Lower Watrous Mbr — Lower Watrous Mbr (Upper Triassic – Lower Jurassic)

UPPER MISSISSIPPIAN, PENNSYLVANIAN AND PERMIAN
- Belloy Fm, Stoddart Gp, Kiskatinaw Fm, Golata Fm, Rundle Gp, Debolt Fm, Mount Head Fm, Turner Valley Fm, Elkton Mbr — Belloy Fm, Mattson Fm, Debolt Fm, Kiskatinaw Fm — Ratcliffe Beds

LOWER MISSISSIPPIAN
- Shunda Fm, Pekisko Fm — Shunda Fm — Midale Beds, Frobisher-Alida Beds, Tilston Beds — Mission Canyon Fm
- Banff Fm, Bakken Fm — Banff Fm — Souris Valley Beds, Bakken Fm, Madison Gp — Lodgepole Fm

UPPER DEVONIAN
- Wabamun Gp, Big Valley Fm, Stettler Fm, Crossfield Mbr — Wabamun Gp
- Winterburn Gp, Graminia Fm, Calmar Fm, Nisku Fm, Arcs Mbr, Jean Marie Mbr — Kaskia Fm, Jean Marie Mbr — Birdbear Fm
- Woodbend Gp, Jefferson Fm, Ireton Fm, Grotto Mbr, Camrose Tongue, Leduc Fm, Grotamont Fm, Duvernay Fm, Cooking Lake Fm

MIDDLE DEVONIAN AND OLDER
- Beaverhill Lake Gp, Swan Hills Fm, Slave Point Fm — Slave Point Fm, Sulphur Point Fm, Naharnni Fm, Pine Point Fm
- Elk Point Gp, Gilwood Fm, Sulphur Point Fm, Presqu'ile Fm, Muskeg Fm, Pine Point Fm, Rainbow Mbr, Keg River Fm, Granite Wash — Winnipegosis

Lower Watrous Mbr (Upper Triassic – Lower Jurassic)

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Gas Pools
Oil Pools
Outline of Oil Sands (cut-off at 3 weight per cent pore volume bitumen or 1.5 m thickness)
Outline of Grosmont Carbonate (cut-off at 30 per cent pore volume bitumen or 5 per cent porosity)

This legend indicates the ages of the hydrocarbon producing groups, formations and members, and is not a correlation chart. Rock units within the same color-coded group are of the same general age, but units at the same level in the four columns are not necessarily stratigraphically equivalent.

Maps 1558A and 1559A supersede Maps 1316A, 1317A, and 1318A "Oil and Gas Pools of Western Canada"

Compiled by K.E. Wallace-Dudley, mainly from information published by provincial government agencies

The statistical data were compiled by the Petroleum Resources Appraisal Secretariat at the Institute of Sedimentary and Petroleum Geology, Calgary, Alberta

Cartography by B.H. Ortman, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

EXPLANATORY NOTES

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Outlines for the Oil Sand Deposits were supplied by the Alberta Energy Resources Conservation Board.

This map illustrates the distribution of gas pools in Western Canada. The pool outlines and their stratigraphic position are as accurate as published reservoir data permit.

In Alberta there are a number of pools whose exact area is not known. These pools are represented on the map by a small circle.

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1558A 1982 Revised

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