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MAP 1559A
OIL POOLS OF WESTERN CANADA

Information to June 30, 1981

Scale 1:1,013,760
1 inch to 16 miles

Kilometres 25 0 25 50 75 Kilometres
Miles 20 0 20 40 Miles

GEOLOGICAL SURVEY OF CANADA — COMMISSION GÉOLOGIQUE DU CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

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		Victoria Mbr Milk River Fm Medicine Hat Sand	
	Cardium Fm Jumpingpound Mbr Second White Speckled Shale Doe Creek 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 Wasesa 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		Rosseray Sand Wapella 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 Oreil Mbr Boundary Lake Mbr Basal Boundary Lake Mbr Copin Mbr Mica Mbr Blueberry Mbr Inga Mbr North Pine Mbr Pingle Mbr "A" Sand Mbr Halfway Mbr Doig Fm	Lower Watrous Mbr	
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	Mcdale Beds Frobisher-Alida Beds Tilston Beds	
	Banff Fm Bakken Fm	Banff Fm	Souris Valley Beds Bakken Fm Madison Gp	Mission Canyon Fm 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 Perrin Fm Grotto Mbr Camrose Tongue Leduc Fm Grosmont 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 Nahanni 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			

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Oil Pools .....
Gas 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 was compiled by the Petroleum Resources Appraisal Secretariat at the Institute of Sedimentary and Petroleum Geology, Calgary, Alberta

Cartography by D.J. Walter, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

EXPLANATORY NOTES

The contributions of the following people and agencies are gratefully acknowledged; R.V.M. McLaughlin; British Columbia Ministry of Energy, Mines and Petroleum Resources; Alberta Energy Resources Conservation Board; Saskatchewan Department of Mineral Resources.

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

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

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.

Copies of this map may be obtained from the Geological Survey of Canada:
601 Booth Street, Ottawa, Ontario K1A 0E8
3303-33rd Street N.W., Calgary, Alberta T2L 2A7
100 West Pender Street, Vancouver, B.C. V6B 1R8

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