

A BIBLIOGRAPHY OF THE ATHABASCA OIL SANDS

FORT MCMURRAY, ALBERTA AREA:

SOCIO-ECONOMIC AND ENVIRONMENTAL STUDIES

1980 CUMULATED UPDATE

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NOTE: THIS EDITION SUPERCEDES ALL OTHERS.

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Introduction.

This is the fifth cumulated update of a bibliography originally prepared in early 1974 at the request of Dr. S. B. Smith, who was at that time Chairman of the Research Secretariat, Alberta Department of the Environment, and who is presently Director of the Alberta Oil Sands Environmental Research Program.

The objective of the bibliography is to provide a comprehensive listing of reports relating to the socio-economic and environmental aspects of the development of the Athabasca Oil Sands. Major reports and some articles on the other oil sands areas of Alberta - Cold Lake, Peace River and Wabasca - are also included.

This edition, which includes journal articles received up to the end of September 1979 and reports received prior to November 1979 by the Alberta Environment Library, contains references to about 1,900 items. In addition to listing materials published since the previous edition, it also includes references to earlier items on the history of the development of the Alberta Oil Sands and on the environmental and socio-economic implications of this development. These were located by using the Alberta Oil Sands Index and Oil Shales and Tar Sands: A Bibliography. These bibliographies are cited in Section I.

Several modifications have been made to the organization of the bibliography. Items in the "General Background References" section are now arranged chronologically. The "Economic Aspects" and "Industry and Resources Development" sections under "Socio-Economic Studies, Fort McMurray Area" have been merged. The "Manpower and Employment" section formerly under the "New Town of Fort McMurray" has become a sub-heading of the "Fort McMurray Area" section. The "Ecology/Environment" section has been moved to become the first section of the "Environmental Studies" section.

Separate sections have been established for items pertaining to the Cold Lake, Peace River and Wabasca Oil Sands. The Cold Lake and Peace River sections have also been further subdivided to bring articles on the same topic together.

Please note that the "Geology" section contains only very selective references. Also, the "Historical Background Material" section includes a selective listing of early Geological Survey of Canada reports and other early studies. These items give a general description of the area including topography and climate, as well as the hydrological and geographical features.

References are only cited once, e.g. if an item deals with both air and water pollution, it could be located in either "Air Pollution - General" or "Water Quality and Pollution", depending on which subject area has received the greatest emphasis.

Title entries have not been made for items listed in the "Application by Industry to the Government of Alberta" sections. An asterisk beside a title in the title index indicates that the report is held by the Alberta Environment Library. Because journals are readily available, it was felt unnecessary to extend this marking to include journal articles.

It would be appreciated if any omissions from this bibliography could be brought to the attention of the compilers.

We would like to draw your attention to two ongoing newsletters published by Syncrude Canada and the Oil Sands Division of Suncor, formerly known as Great Canadian Oil Sands. They are Syncrude Environment Bulletin and The Oilsander, the successor to Great Canadian Oil Sands News. These contain articles on company activities.

Another newsletter, The Tar Paper, prepared by the Oil Sands Information Center for the Oil Sands Technology and Research Authority, published its first issue in May 1978 in response to requests for increased communications among members of the oil sands community. It is issued on an irregular basis.

THIS EDITION SUPERCEDES ALL PREVIOUS
EDITIONS. PLEASE DISCARD ALL PREVIOUS
EDITIONS.

Sources Consulted.

(Note: Some of these were consulted when the bibliography was first initiated).

Alberta. Committee for the Co-ordination of Statistics and Research.
Inventory of research projects by the Government of the Province
of Alberta, Edmonton, January, 1973. 98 p.

Alberta. Dept. of Energy and Natural Resources.

Alberta. Dept. of Intergovernmental Affairs. Office of Program Co-
ordination.

Alberta. Dept. of Municipal Affairs. Provincial Planning Branch.

Alberta. Dept. of the Environment Library.

Alberta. Energy Resources Conservation Board.
Publications, maps and services catalogue. Calgary, January,
1978, 178 p.

Alberta. Energy Resources Conservation Board Library.

Alberta. Northeast Area Commissioner's Office.

Alberta Oil Sands index. Edited by Helga Radvanyi.
Edmonton, Research Council of Alberta. Oil Sands Information
Centre.
4 issues, cumulated annually.
A comprehensive listing of technical reports, articles and
patents dealing with the geology, technology of extraction and
upgrading, and aspects of mining related to the Athabasca Oil
Sands.

Alberta. Provincial Museum and Archives.

Alberta. Task Force on Urbanization and the Future.
Index of Urban and Regional Studies, Province of Alberta 1950-
1973.
Issues 1-7. Edmonton, 1973-75.
Includes 1976 supplements to Issues 1 - 5.

- Alberta. Task Force on Urbanization and the Future.
Research on growth and its distribution in Alberta; reports on a Seminar held at Government House. December 14, 1971. Edmonton, 2 v.
- Boreal Institute for Northern Studies. Library.
- Canada. Dept. of Regional Economic Expansion.
Inventory of NewStart documents. Compiled by H. L. Clement. Ottawa. 1972. 1 v. various pagings.
- Canada. Dept. of the Environment. Canadian Wildlife Service.
- Canada. Dept. of the Environment. Environmental Protection Service.
- Canada. Dept. of the Environment. Lands Directorate.
List of theses and dissertations on Canadian geography.
Compiled by J. Keith Fraser and Mary C. Hynes. Ottawa, 1972. 114 p. (Geographical Paper No. 51).
- Carrigy, M.A., Comp.
Athabasca oil sands bibliography (1789-1964). Edmonton, Research Council of Alberta, 1965. 91 p. (Its Preliminary Report 65-3)
- Central Mortgage and Housing Corporation.
- Ekistic Design Consultants Ltd.
- Fort McMurray Town Office.
- Great Canadian Oil Sands Ltd.
- Home Oil Co. Ltd.
- Intercontinental Engineering Ltd.
- Intergovernmental Committee on Urban and Regional Research.
Information Exchange Service. Toronto.

Nielsen, G. L.

Bibliography of groundwater studies in Alberta 1912-1971, by G. L. Nielsen, D. Hackbarth and S. Bainey. Edmonton, Alberta Dept. of the Environment, Water Resources Division, Soils, Geology and Ground Water Branch, 1972. 1 v. various pagings.

Research Council of Alberta.

List of publications, 1978. Edmonton, 1978, 51 p.

Root, J. D.

Index to geological, bedrock topography, soils and groundwater maps of Alberta. Edmonton, Research Council of Alberta, 1978. 66 p. maps.

Shell Canada Ltd.

Synchrude Canada Ltd.

U.S. Dept. of Energy. Technical Information Centre.

Oil shales and tar sands: a bibliography. Springfield, Va., U.S. National Technical Information Service, Dec. 1977. vi, 416 p., 312 p. (TID-3367)

Urban and Regional References 1945-1969, plus Supplements to 1975. Ottawa, Canadian Council of Urban and Regional Research.

University of Alberta. Cameron Library, Edmonton.

University of Alberta. Dept. of Anthropology, Edmonton.

University of Alberta. Dept. of Geography Reading Room, Edmonton.

I. EXISTING BIBLIOGRAPHIES AND THEIR SCOPE.

Annotated bibliography of geology of the sedimentary basin of Alberta and adjacent parts of British Columbia and Northwest Territories 1845-1955. Calgary, American Society of Petroleum Geologists, 1958. 499 p.

A listing of all geological reports to the end of 1955 dealing with Alberta, Eastern British Columbia, Eastern Yukon and the western parts of the Northwest Territories.

Alberta Oil Sands index. Edited by Helga Radvanyi.

Edmonton, Research Council of Alberta. Oil Sands Information Center,

4 issues, cumulated annually.

A comprehensive listing of technical reports, articles and patents dealing with the geology, technology of extraction and upgrading, and aspects of mining related to the Athabasca Oil Sands.

Boyd, M.L.

Bibliography of the Alberta bituminous sands. Ottawa, Canada. Dept. of Mines and Technical Surveys, Mines Branch, July 1954. 23 p. (B.R. Report No. 1)

Covers the following topics: Early exploration, Geology, Mining and Drilling, Separation, Properties of bitumen, Hydrogenation of bitumen, Properties of the sand, Economic development, and Miscellaneous (review articles, etc.)

Carrigy, M. A., comp.

Athabasca Oil Sands bibliography 1789-1964. Edmonton, Research Council of Alberta, 1965.

91 p. (Its Preliminary Report 65-3).

A comprehensive listing of technical reports, articles and patents relating to the Athabasca Oil Sands from 1789-1964.

Church, Linda

Review of selected literature: social and personal problems accompanying resource development. By Linda Church and David Bai. Edmonton, Applied Research Associates Ltd., March 1975.

101 p.

Accompanied Phase One of a larger study prepared for Alberta. Northern Development Group.

Ekistic Design Consultants Ltd.

Northeast Alberta Regional Plan: summary of working papers and reports produced by EDC and its consultants. Edmonton, April 1976.
20 p.

Geological Survey of Canada.

Index of publications of the Geological Survey of Canada. 1845-1958, plus supplements. Ottawa, 1965

A comprehensive listing of all GSC publications from its inception.

McGee, B.A.

Canadian index to geoscience data; Alberta. Ottawa, Geological Survey of Canada, Canadian Centre for Geoscience data, 1971.

A computer listing of geoscience data produced by the Geological Survey of Canada and the Mineral Resources Branch from inception.

Parker, James M.

Athabasca Oil Sands historical research project. Prepared for Alberta Oil Sands Environmental Research Program. Human System. Sponsored by Alberta. Dept. of the Environment, and Canada. Dept. of the Environment. Edmonton, AOSERP, Apr. 1979.

xv, 75 p.

Project HE 2.4.

Contents: v. 1. Design.- v.2. Bibliography of published sources.- v.3. Bibliography of government publications and primary sources.

Ross, P. S., & Partners.

The economy of Northern Alberta: bibliography. Edmonton, Alberta. Northern Development Group, Sept. 1975.

iii, 71 p.

Schick/Swanson Library & Information Consultants prepared compilation for publication and adapted it to a machine readable format.

U.S Dept. of Energy. Technical Information Center.

Oil shales and tar sands: a bibliography. Springfield, Va., U. S. National Technical Information Service, Dec. 1977.

vi, 416 p., 312 p. (TID-3367)

"A significant portion of the scientific and technical information on oil shales and tar sands published since the early 1930s."

University of Alberta. Faculty of Graduate Studies and Research.

The University of Alberta index of oil sands energy research: inventory of personnel, research projects, research services and facilities, which could be deployed by the University of Alberta to assist the provincial government to develop the required technology for fully exploiting the potential of the Alberta Oil Sands resources. Edmonton, 1974-75.

1 v. (unpaged)

Cover title: Index of oil sands energy research.

II. GENERAL BACKGROUND REFERENCES.

Items in this section are listed chronologically according to the year of publication.

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Alberta. Oil and Gas Conservation Board.

A description and reserve estimate of the oil sands of Alberta.
Calgary, 1963.

60 p. maps (OGCB Report 63-7)

Athabasca Oil Sands Conference, 1st, Edmonton, Sept. 10-14, 1951.

Proceedings. Edmonton, Oil Sands Project. Board of Trustees, 1951.
371 p.

Papers are organized by the following sessions: geological, mining, oil-recovery, oil refining.

A separate entry was made for the paper Guide to the Alberta oil sand area, by K.A. Clark.

Bellows, L.A.

Athabasca Oil Sands, by L.A. Bellows and V.E. Bohme, Alberta. Oil and Gas Conservation Board. Journal of Petroleum Technology, V. 15, No. 5, May 1963, p. 479-483.

Blair, S.M.

The development of the Alberta bituminous sands. Edmonton, King's Printer, 1950.

82 p.

Bowman, C.W.

Mining the Athabasca Tar Sands. Science Journal, V. 5A, No. 5, 1969, p. 28-32.

Carrigy, M.A.

The K.A. Clark Volume; a collection of papers on the Athabasca Oil Sands presented to K.A. Clark on the 75th anniversary of his birthday. Edmonton, Research Council of Alberta, 1963.

241 p. (Its Information Series No. 45).

Contains the substance of 17 papers delivered at the Conference on the Athabasca Oil Sands, Edmonton, Oct. 30-31, 1963.

Clark, K.A.

The bituminous sands of Alberta; by K.A. Clark and S.M. Blair.
Edmonton, 1927.

1 v. (various pagings) illus., map, tables. (Research Council
of Alberta. Report 18).

Clark, K.A.

Guide to the Alberta oil-sand area along the Athabasca River
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Edmonton, 1951.

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Clegg, M.W.

Athabasca tar sands. International Petroleum Review, V. 18, No.
216, Dec. 1964, p. 446-451.

Freeman, J.M.

Biggest sellout in history: foreign ownership of Alberta's oil and
gas industry and the oil sands. Published by Alberta New
Democratic Party, 1966.

The giant awakens: increased interest in Athabasca Tar Sands despite
world oversupply of crude petroleum. Western Business and
Industry, V. 36, No. 9, Sept. 1962, p. 64-66.

Govier, G.W.

The Athabasca oil sands. Dallas, Society of Petroleum Engineers of
AIME, 1965.

12 p. (Preprint SPE 1077)

Preprint of a paper to be presented at the AIME Annual meeting
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Gray, Earle

Pay off at Athabasca - after 50 year's frustration. Oilweek, V.
16, No. 33, Oct. 11, 1965, p. 20-21, 23-24.

Gray, Earle

Tap tar sands in \$200 million building boom to create new northern oil empire. Heavy Construction News, Nov. 19, 1965, p. 14-16.

Great Canadian Oil Sands Ltd.

Annual report. 1968-

Hodgson, G.W.

The McMurray oil field. Alberta Society of Petroleum Geologists News Bulletin, V. 3, No. 3, March 1954, p. 1, 3.

Innes, E.D.

Canada's first commercial tar sand development. By E.D. Innes, Great Canadian Oil Sands Ltd., and J.V.D. Fear, Sun Oil Company. In World Petroleum Congress, 7th, Mexico, 1967. Proceedings. New York, American Elsevier, 1967.
V. 3, p. 633-650.

McClements, Robert, Jr.

The Athabasca Tar Sands. In Hilborn, James D., ed. Dusters and gushers: the Canadian oil and gas industry. Toronto, 1968.
p. 167-175. illus.

Montgomery, D.S.

The Athabasca Tar Sands as a source of crude oil. Ottawa, Canada. Dept. of Mines and Technical Surveys. Mines Branch, Sept. 1964.
13 p. illus. (Canada. Dept. of Mines and Technical Surveys. Mines Branch. Information Circular 169).
Presented at the Symposium on Hydrogen and Its Place in Petroleum Refining held in Montreal Oct. 22, 1963, under the auspices of the Chemical Institute of Canada.

Occurrence and prospects of Tar Sands. World Petroleum Congress, 7th. Proceedings, Vol. 3, Panel Discussion 13. New York, American Elsevier, 1967.

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- Pearse, Chas. R.
Athabasca tar sands. Canadian Geographical Journal, V. 76, No. 1,
Jan. 1968, p. 2-9.
Re: The history of the tar sands and the extraction process.
- Pengelly, Michael
The enigma of Athabasca. Imperial Oil Review, V. 44, No. 2, April
1960, p. 15-18.
Re: Syncrude.
- See, Richard M.
Athabasca oil sands. Lake Charles, Louisiana, Cities Service Oil
Co., 1968.
19 p.
A paper presented before Lake Charles Chapter of Louisiana
Engineering Society, May 13, 1968.
- Spragins, F.K.
Athabasca's place in the future. Journal of Canadian Petroleum
Technology, V. 2, No. 4, Winter 1963, p. 160-164.
Paper presented at the C.I.M. Branch joint meeting with
E.I.C., Calgary. Nov., 1963.
- Spragins, F.K.
Athabasca, present and future. Speech to Calgary Lions Club, March
2, 1966.
10 p.
- Tar sand mining - start of new era. Engineering and Mining Journal, V.
168, No. 12, Dec. 1967, p. 65-71.

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- Athabasca tar sands are back on the scene. Canadian Petroleum, V. 13,
No. 9, Sept. 1972, p. 58+(3).

Egan, Vincent

Energy in the sands. Sphere, No. 4, 1972, p. 5-9.

Re: Shell Canada's involvement with oil sands.

Govier, George W.

Alberta's synthetic crude oil development policy. Quarterly of the Colorado School of Mines, V. 65, No. 2, 1970, p. 229-241.

Govier, G.W.

The Athabasca oil sands. Talk to the American Petroleum Institute. Division of Production Meeting, Houston, Tex., March 7, 1972.

Gray, Earle

The Athabasca Tar Sands - in Great Canadian Oil Patch. Toronto, Maclean Hunter, 1970.
p. 294-311.

Interest hot in Alberta's heavy oil and tar sands. The Oil and Gas Journal, V. 70, No. 29, July 17, 1972, p. 51-54.

Moss, A.E.

The bituminous sands of Northern Alberta. Prepared for delivery to various Canadian Institute of Mining and Metallurgy Branches throughout Canada, 1972-1973.
25 p.

Oil sands deposits delineated for first time by Alberta board. Oilweek, V. 23, No. 21, July 10, 1972, p. 18.

Resources for the Future, Inc.

Oil from tar sands. In its Energy research needs. Washington, U.S. National Technical Information Service, Oct. 1971.

p. IV 25 - IV 37. (Report PB-207 516)

Prepared for National Science Foundation.

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Rowland, Les

New Syncrude bid looks assured. Oilweek, V. 22, No. 26, Aug. 16, 1971, p. 14-16.

Spragins, F.K.

The new look in the Syncrude Canada tar sands project. New York, Society of Mining Engineers of AIME, 1972.

12 p. Preprint no.?

Preprint of a paper to be presented at the AIME annual meeting, San Francisco, Feb. 20-24, 1972.

Also published in Mining Engineering, V. 24, No. 10, Oct. 1972, p. 90-92.

Spragins, F.K.

A second generation tar sands plant. Edmonton, Syncrude Canada Ltd., 1971?

16 p.

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Alberta. Dept. of Mines and Minerals.

Syncrude correspondence and report, tabled Oct. 10, 1973 by Hon. Bill Dickie.

1 v. (loose leaf)(Alberta. Sessional Paper 1973-580)

Includes 2 letters from the Hon. Bill Dickie dated Sept. 14, 1973 and Dec. 13, 1973 re royalty to be paid by the Syncrude project, etc.; letter of Sept. 20, 1973 from Premier Peter Lougheed to Prime Minister Pierre Trudeau re Syncrude project agreement.

Reports by Foster Economic Consultants Ltd. entitled Calculation of Albertans' share of profits from Syncrude project and Principal risk areas of Syncrude Project and a report by W.R. Levy Consultants Corporation entitled Emerging North American oil balances: considerations relevant to a tar sands development policy are separately listed in this bibliography.

Alberta due 50% of Syncrude tar-sands profits. The Oil and Gas Journal, V. 71, No. 39, Sept. 24, 1973, p. 96.

Allen, A.R.

The Great Canadian Oil Sands operation. By A.R. Allen and E.R. Sanford, Great Canadian Oil Sands Limited. In Carrigy, M.A., ed. Guide to the Athabasca oil sands area. Edmonton, Research Council of Alberta, 1973.

p. 103-121.

"Billion" dollar plants underway in Edmonton region. The Edmonton Report on Business and Industrial Development, V. 8, No. 6, Nov. 1973, p. 1, 3.

Delay in tar sands development hinted at by environment minister. Oilweek, V. 23, No. 50, Jan. 29, 1973, p. 10.

Foster Economic Consultants Ltd.

Calculation of Albertans' share of profits from Syncrude Project. Calgary, 1973.

3 p. (Alberta. Sessional Paper 580/73)

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Foster Economic Consultants Ltd.

Principal risk areas of Syncrude Project. Calgary, Sept. 1973.

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GCOS will present argument for boost in tar sands output. Oilweek, V. 23, No. 46-47, Jan. 1-8, 1973, p. 21.

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Alberta's oil sands in the energy supply picture. By G.W. Govier, Alberta. Energy Resources Conservation Board. In Symposium on Energy Resources, Ottawa, Oct. 15-17, 1973. Ottawa, Royal Society of Canada, 1973?

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Heise, Horst

Synthetic crude oil is forecast to secure future for Alberta. Canadian Petroleum, V. 14, No. 14, 1973, p. 22-27.

Hydrocarbons from Athabasca Tar Sands - challenge. Engineering Journal, V. 56, No. 11, Nov./Dec., 1973, p. 25 (3p.).

Levy (W.J.) Consultants Corporation.
Emerging North American oil balances: considerations relevant to a tar sands development policy, by W.J. Levy Consultants Corp. New York, 1973.
2 v. tables.

Lynett, Steve
Digging for oil. Imperial Oil Review, V. 57, No. 4, 1973, p. 16-23.

New oil-sand plants sure to come. Canadian Chemical Processing, V. 57, No. 8, Aug. 1973, p. 34+

New syn-crude plants have big chemical potential. Canadian Chemical Processing, V. 57, No. 8, Aug., 1973, p. 38-39.
Re: Byproducts of oil sands industry.

Page, Harold V.
Alberta's bituminous sands industry. Abstract of paper presented at The Petroleum Society of the Canadian Institute of Mining and Metallurgy. 24th annual technical conference held in Edmonton. Oilweek, V. 24, No. 14, May 21, 1973, p. 16+.

Room for everyone in tar sands plans, as Alberta moves to early development. Oilweek, V. 24, No. 31, 1973, p. 68-69.

Scott, T.F.
Hydrocarbons from the Athabasca Tar Sands - a major challenge. Engineering Journal, V. 56, No. 11, 1973, p. 25-27.

Step-up in Athabasca development urged. The Oil and Gas Journal, V. 71, No. 38, Sept. 17, 1973, p. 54.

Swedish Trade Commission

The oil and gas industry in Canada. Vancouver, 1973.

3 v.

V. 3: The Alberta tar (oil) sands.

Symposium to cover technology needed for Athabasca oil sands. Canadian Petroleum, V. 14, No. 8, August 1973, p. 39-41.

Synchrude Canada Ltd.

Synchrude: a profile. Edmonton, 1973.

18 p. col. illus.

Thirty tar sands plants expected in next 30 years.

Oilweek, V. 24, No. 42, 1973, p. 9.

Walters, E.J.

Oil-sands and oil-shale: the limitations and the need. B.P. Shield International, Dec. 1973, p. 12-15.

Walwyn, Stodgell & Co.

A look at world energy; the Athabasca Tar Sands. Toronto, 1973.

51 p. illus., tables, maps.

Items Published in 1974

AOP is biggest investment yet in oil sands development. Canadian Petroleum, V. 15, No. 3, 1974, p. 29-31.

Alberta. Department of Federal and Intergovernmental Affairs.

Return ordered by the Assembly re: development of the Athabasca Sands.

1 p. (Alberta Sessional Paper 172/74).

Tabled June 4, 1974 by the Honourable Don Getty.

Alberta. Department of Municipal Affairs.

Alberta oil sands government organization chart.

1 sheet. (Alberta Sessional Paper 676).

Tabled 1974 by the Honourable D.J. Russell.

Alberta. Government.

An Alberta oil sands status report. Edmonton, Alberta. Dept. of Federal and Intergovernmental Affairs, Jan. 1974.

vi, 44 p. illus. (part of Alberta Sessional Paper 603/74).

Tabled March 8, 1974 by the Hon. Don Getty.

Cover title: The Alberta Oil Sands story.

Athabasca Tar Sands - Future energy source. Texaco Star, Autumn, 1974, p. 18-23.

Ballem, John Bishop

The trouble with tapping Alberta's tar sands. Maclean's, V. 87, Dec. 1974, p. 82-86.

The boom takes hold at Fort McMurray. Business Life, V. 2, No. 7, Nov./Dec., 1974, p. 66-72.

Canadian ResourceCon Ltd.

Decision making in the north: oil sands case study. Final report.

Prepared for Science Council of Canada. Vancouver, Nov. 1974.

255 p. illus.

Carrigy, Maurice

Alberta oil sands: fuel of the future. Geoscience Canada, V. 1, No. 1, March 1974, p. 41-44. Also Research Council of Alberta Contribution Series 670.

Clay, Dean N.

The contribution of Alberta's tar and heavy-oil sands to Canada's intermediate-term oil supply. Ottawa, Research Branch, Library of Parliament, rev. July 1974.

34 p. illus. (Background Paper MR-3)

Details on biggest tar sands investment yet. (AOP Group:). Energy
Analysts, V. 3, No. 4, 1974, p. 5-6.

Engineering Institute of Canada. Western Region. 1st Conference,
Edmonton, April 17-19, 1974.
Athabasca oil sands: proceedings. Montreal, Quebec, 1974.
429 p. illus. (part fold.)
Conference papers include discussion of the geology, impact of
development on the land surface, air pollution, nuclear energy
extraction, the need for future research, and the role of the oil
sands in solving the energy crisis.
Separate entries have been made for some of the papers in this
volume.

Getting rich at Fort McMurray is not as easy as it looks. Business
Life, V. 2, No. 7. Nov./Dec. 1974, p. 76.

Govier, G.W.
Alberta's oil sands in the energy supply picture. By G.W. Govier ,
Alberta. Energy Resources Conservation Board. In Hills, L.V., ed.
Oil sands fuel of the future. Calgary, 1974.
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Govier, G.W.
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Electrical Association, 84th annual meeting, Banff, Alberta, June
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This section includes applications to the Energy Resources
Conservation Board and its predecessor, their reports on these
applications and transcripts of the hearings.

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Board. Hearing No. 167.

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A of the Oil and Gas Conservation Act. Calgary, 1960.
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Great Canadian Oil Sands Limited.

Application for approval of a scheme for the recovery of 31,500 barrels per day of synthetic crude oil - June, 1962 (from oil sands of lease # 4 in the bituminous sands area of Alberta), to the Alberta Oil and Gas Conservation Board. Hearing No. 205A.

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Great Canadian Oil Sands Limited.
Application for permission to increase production of Synthetic
crude oil from 45,000 to 65,000 barrels per day. Submitted to
the Energy Resources Conservation Board, Sept. 1, 1972.
35 p.

Great Canadian Oil Sands Limited.
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Imperial Oil Ltd. and Royalite Oil Co. Ltd.
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product from oil sands: Mildred Lake area of the
Athabasca oil sands deposit. 1962, Amended to May 1968,
to the Alberta Oil and Gas Conservation Board.
Application No. 4000.

Muskeg Oil Company.
Application for the approval of a scheme for the In-Situ
recovery of oil and crude hydrocarbon product from certain oil
sands in the Province of Alberta - October, 1968, to the
Alberta Oil and Gas Conservation Board. Application No. 4301.

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Report of an application of Atlantic Richfield Co., Cities Service Athabasca, Inc., Imperial Oil Ltd., and Royalite Oil Co. Ltd. under Part VI A of the Oil and Gas Conservation Act. Calgary, December, 1968.

1 v. (OGCB Report 68-C).

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Alberta. Oil and Gas Conservation Board.

Supplement to the Report of an application of Atlantic Richfield Co., Cities Service Athabasca, Inc., Imperial Oil Ltd., and Royalite Oil Co. Ltd. under Part VI A of the Oil and Gas Conservation Act. Calgary, March, 1969.

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Atlantic Richfield Canada Ltd.

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Alberta. Energy Resources Conservation Board.

In the matter of an application of Atlantic Richfield Canada Ltd., Canada-Cities Service Ltd., Gulf Oil Canada Ltd. and Imperial Oil Ltd. under Part 8 of the Oil and Gas Conservation Act. Calgary, December, 1971.

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Alberta. Energy Resources Conservation Board.

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Syncrude Canada Ltd.

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Limited, known as the Alsands Project Group, for approval of a
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