

CATALOGUE No.

26-207

ANNUAL

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MAR 1 1960



CONTRACT DRILLING IN THE MINING INDUSTRY 1958



Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

March, 1960
6514-516

Price 50 cents

PUBLICATIONS ON MINERAL STATISTICS

Dominion Bureau of Statistics
Ottawa, Canada

Catalogue number	Name of publication	Price	
Annual			
26 - 201	A - General Review of the Mining Industry	\$.75
26 - 209	B - The Gold Mining Industry75
26 - 216	C - The Silver-Lead-Zinc Mining Industry50
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CONTRACT DRILLING IN THE MINING INDUSTRY

1958

SECTION I

Diamond Drilling of Deposits other than Fuels

During 1958 the footage drilled by contract diamond drilling was 4,426,594 compared with 6,296,128 in 1957. Income received from drilling was \$21,221,593. There were 48 firms reporting their operations in this industry. Drilling was reported in all provinces and territories. The av-

erage number of employees was estimated at 1,717 and the salaries and wages totalled \$6,921,761.

Equipment owned by the operators included 354 air or steam-driven drills, 652 gasoline-driven drills and 10 electric driven drills.

TABLE 1. Contract Diamond Drilling Operations, 1949-58 (Drilling operations conducted by contractors who employed diamond drills only, and which were confined chiefly to the testing of metalliferous deposits)

Year	Footage drilled	Income from drilling	Average number of employees	Total salaries and wages paid
		\$		\$
1949.....	4,777,015	7,570,454	1,415	3,423,124
1950.....	6,006,747	9,492,679	1,862	4,532,903
1951.....	5,091,514	12,357,329	2,431	5,996,026
1952.....	5,180,783	14,667,847	2,345	7,119,714
1953.....	5,258,870	15,779,420	2,238	7,110,188
1954.....	5,639,574	15,932,481	2,352	7,833,645
1955.....	6,443,641	21,444,802	2,840	9,852,432
1956.....	7,840,670	27,610,974	3,415	12,644,217
1957				
Newfoundland.....	103,956	586,505	83	264,618
Nova Scotia.....	36,261	184,740	43	100,663
New Brunswick.....	169,528	854,172	99	358,830
Quebec.....	2,147,881	6,597,516	742	3,025,729
Ontario.....	2,145,334	7,182,542	1,066	3,407,961
Manitoba.....	823,485	1,864,203	423	1,851,564
Saskatchewan.....	319,991	1,115,244	109	452,705
Alberta.....	22,661	266,311	61	157,062
British Columbia.....	333,190	1,890,995	217	923,863
Northwest Territories.....	177,270	551,506	99	230,699
Yukon.....	16,571	127,859	9	57,769
Canada.....	6,296,128	21,221,593	2,951	10,831,483
1958				
Newfoundland.....	79,414	388,732	81	188,941
Nova Scotia and P.E.I.....	1,086	3,024	1	652
New Brunswick.....	52,054	210,660	27	95,074
Quebec.....	1,483,572	3,937,572	462	1,908,843
Ontario.....	1,513,190	3,894,204	523	2,284,065
Manitoba.....	650,782	3,133,636	290	1,074,257
Saskatchewan.....	289,092	887,110	96	356,635
Alberta.....	12,943	101,632	28	110,594
British Columbia.....	194,944	1,423,416	156	685,325
Northwest Territories.....	137,156	359,481	47	163,481
Yukon.....	12,361	79,956	6	33,894
Canada.....	4,426,594	14,419,623	1,717	6,921,761

TABLE 2. Value of Stones, Readysset and Castset Bits, Purchased by Contractors, 1949-1958

Year	Value	Year	Value
	\$		\$
1949	1,379,793	1954	2,051,999
1950	1,640,194	1955	3,356,757
1951	2,390,351	1956	2,689,302
1952	3,322,289	1957	3,267,887
1953	2,939,143	1958	1,274,074

TABLE 3. Drilling Completed on Gold Quartz Deposits, 1957 and 1958

	Footage drilled	
	1957	1958
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	497,076	455,666
By diamond drilling contractors ¹	1,226,071	1,276,442
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	99,079	53,981
By diamond drilling contractors ¹	24,395	8,075
Drilling by percussion or other machines ²	36,123,171	37,885,485

¹ Included in Table 1.² Not complete as records are unavailable at certain mines.

Note: Value of diamonds purchased by gold mining companies in 1958 totalled \$163,988 compared with \$191,296 in 1957.

TABLE 4. Drilling Completed on Copper-Gold-Silver and Nickel-Copper Deposits, 1957 and 1958

	Footage drilled	
	1957	1958
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	305,758	175,124
By diamond drilling contractors ¹	1,729,530	1,530,397
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	1,096,657	941,857
By diamond drilling contractors ¹	472,026	380,924
Drilling by percussion or other machines ²	37,377,046	29,514,722

¹ Included in Table 1.² Not complete as records are unavailable at certain mines.

Note: Value of diamonds purchased by copper-gold-silver and nickel-copper mining companies in 1958 totalled \$409,965 compared with \$699,615 in 1957.

TABLE 5. Drilling Completed on Silver-Lead-Zinc and Silver-Cobalt Deposits, 1957 and 1958

	Footage drilled	
	1957	1958
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment.....	155,574	65,126
By diamond drilling contractors ¹	392,462	275,795
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment.....	509,105	459,088
By diamond drilling contractors ¹	4,879	177,000
Drilling by percussion or other machines ²	7,249,582	6,565,289

¹ Included in Table 1.

² Not complete as records are unavailable at certain mines.

Note: Value of diamonds purchased by silver-lead-zinc and silver-cobalt companies in 1958 amounted to \$107,161 compared with \$103,542 in 1957.

TABLE 6. Drilling Completed on Other Metal-bearing Deposits, 1957 and 1958

	Footage drilled	
	1957	1958
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment.....	217,118	82,078
By diamond drilling contractors ¹	698,273	856,425
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	16,694	3,000
By diamond drilling contractors ¹	10,709	..
Drilling by percussion or other machines ²	24,370,404	63,811,035

¹ Included in Table 1.

² Includes drilling on iron, chromite, titanium and uranium deposits.

.. Not available.

Note: Value of diamonds purchased by other metal-mining companies in 1958 amounted to \$92,190 compared with \$20,204 in 1957.

TABLE 7. Drilling Completed on Asbestos Deposits, 1957 and 1958

	Footage drilled	
	1957	1958
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	—	1,803
By diamond drilling contractors ¹	110,216	69,609
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	28,353	—
By diamond drilling contractors ¹	584	—
Drilling by percussion or other machines ²	4,547,404	802,576

¹ Included in Table 1.

² Not complete as data are not reported by some firms.

Note 1: The total footage of contract drilling recorded in Tables 3 to 7 does not necessarily agree with the corresponding totals shown in Table 1 as drilling data are incomplete or unobtainable from some mining firms.

Note 2: Diamonds purchased by asbestos mining companies were valued at nil in 1957 and in 1958.

Directory, 1958
List of Active Diamond Drilling Contractors, 1958

Name of firm	Head office address
Anderson Diamond Drilling.....	306 Patricia Blvd., Timmins, Ontario
Arno Diamond Drilling Co. Ltd.	Box 426, Timmins, Ontario
Baderski, Frank, & Son	464 Algonquin Blvd. E., Timmins, Ontario
Baker, L.J., Diamond Drilling Co. Ltd.	Box 218, Val d'Or, Quebec
Barron, R. Diamond Drilling	Box 606, Halleybury, Ontario
Boyles Bros. Drilling (Alberta) Ltd.	10210-111 Street, Edmonton, Alberta
Boyles Bros. Drilling Co. Ltd.	Vancouver, British Columbia
Boyles Bros. Drilling (Eastern) Ltd.	142 N. Cumberland St., Port Arthur, Ontario
Boyles Bros. (Quebec) Ltd.	Noranda, Quebec
Bradley Bros. Ltd.	Noranda, Quebec
Bradville Drilling & Exploration Ltd.	Box 475, Kirkland Lake, Ontario
Brochu, W.C.	116 Highland Rd., North Bay, Ontario
Burton, Archie S.	352 Howey Crescent, Sudbury, Ontario
Byberg, Harry	907-1st St. S., Kenora, Ontario
Cameron Drilling Co. Ltd.	491 First Ave., Malartic, Quebec
Canadian Longyear Ltd.	1111 Main St. W., North Bay, Ontario
Chenette Drilling Reg'd	81 Pecteau St., Thetford Mines, Quebec
Cloutier Bros.	North Cobalt, Ontario
Connors, T., Diamond Drilling Co. Ltd.	181 Eglinton Ave. E., Toronto, Ontario
Continental Diamond Drilling Co. Ltd.	Drawer 250, Rouyn, Quebec
Cloutier Bros. Diamond Drilling	Box 361, Cobalt, Ontario
Deeg & Ottman Drilling Co. Ltd.	1000 Commercial Dr., Vancouver, British Columbia
DeMorest Drillers Ltd.	Box 430 Chibougamau, Quebec
Dion, L., Diamond Drill Contractor	Box 134, Madsen, Ontario
Downing, Geo. (Estate)	Kilmar, Quebec
Dufresne, J.B., & Co. Ltd.	1014 Maitland Ave., Ottawa, Ontario
Edwards, Jack H.	Box 369, Kenora, Ontario
Eco Exploration Co. Ltd.	411 Childs Building, Winnipeg, Manitoba
Fathom Drilling Ltd.	240 Madison St., Winnipeg, Manitoba
Gisler, Peter	Balmertown, Ontario
Global Mine Developers Ltd.	6 Church St., Mimico, Ontario
Globe Drilling & Exploration Co.	19 Regina Ave., Kenora, Ontario
Goyette Diamond Drilling Reg'd	1010-6th Ave., Val d'Or, Quebec
Groleau Freres Diamond Drilling Ltd.	44 Taschereau St., Rouyn, Quebec
Griffith Bros. Diamond Drilling	Bissett, Manitoba
Harvey Kendrick Development Ltd.	Uranium City, Saskatchewan
Heath & Sherwood	Box 340, Kirkland Lake, Ontario
Inspiration Mining & Development Co. Ltd.	170 Regina St., North Bay, Ontario
Joy Manufacturing Co. (Can.) Ltd.	175 Beverly St., Galt, Ontario
Labine Bros.	Cochonour, Ontario
Larson, B.E.	Box 651, Bathurst, New Brunswick
La Rocque, T.E., Diamond Drilling Co. Ltd.	10 Frontenac St., Val d'Or, Quebec
Logan Bros. Diamond Drilling	R.R. No. 2, Truro, Nova Scotia
Lantz Diamond Drilling Co.	Box 367 Dryden, Ontario
Martin, Thos.	Chaput Hughes, Ontario
Morisette Diamond Drilling Ltd.	Box 440, Halleybury, Ontario
Midwest Diamond Drilling Co. Ltd.	866 King Edward, Winnipeg, Manitoba
McIsaac, R.M.	866 King Edward St., Winnipeg 12, Manitoba
Mutch Diamond Drilling Co. Ltd.	786 Edgewood Rd. North, Vancouver, British Columbia
National Diamond Drilling Co. Ltd.	Box 508, Rossland, British Columbia
Niemetz & Caron Diamond Drilling	Halleybury, Ontario
Pacific Diamond Drilling Co. Ltd.	367 East 2nd Ave., Vancouver, British Columbia
Patricia Diamond Drilling Co. Ltd.	McKenzie Island, Ontario
Pilon, J.L., Limited	Box 626, North Bay, Ontario
Portelance Diamond Drilling Co. Ltd.	2135 Blvd. Levesque, Duvernay, Quebec
Rowan, Angus	99 Elm St. N., Timmins, Ontario
Roy, Aime	St. Ubald, Quebec
Rouyn Diamond Drilling Reg'd	122 Taschereau St. E., Rouyn, Quebec
St. Louis - Bergeron Diamond Drilling Co. Ltd.	Box 848 New Liskeard, Ontario
St. Lambert Drilling Co. Ltd.	Box 243, Thetford Mines, Quebec
St. Lawrence Drilling Co. Ltd.	585 Cormier St., Sherbrooke, Quebec
Sprague & Henwood, Inc.	221 W. Olive St., Scranton, Pennsylvania, U.S.A.
Terr Exploration & Drilling Ltd.	Gunnar, Saskatchewan
Trans-Canada Diamond Drilling & Development Corp.	27 de la Fabrique, Thetford Mines, Quebec
Wallace Drilling Company	Box 37, Uranium City, Saskatchewan
Wilson, A.	Box 277, Noranda, Quebec

SECTION II

Contract Drilling for Fuels

Drilling for petroleum or natural gas, direct, or exploratory drilling for these minerals was reported by 105 contractors. The total reported footage was 13,444,545 feet and the income from operations amounted to \$69,344,896 compared, respectively, with 12,495,346 feet and \$75,632,962 in 1957 Rotary drilling amounted to 12,998,094 feet and 446,451 feet were done by cable drills. The firms owned 333 rotary drills and 62 cable drills.

Supplies used during the year included 12,190 tons of bentonite, Pembina clay, etc., valued at \$675,358; 252 tons of barite valued at \$15,070; drilling bits, cables and lubricants valued at \$8,196,295 general repairs to rig, \$9,940,804 and casing pipe was valued at \$181,109. Data on supplies are incomplete as many items are furnished to the contractor drillers by the well owners.

Drilling done by oil companies with their own equipment is not included in this report.

TABLE 8. Drilling Conducted During 1957 and 1958 by Contractors, for Petroleum, Natural Gas and Other Purposes not Included in Section I of this Report

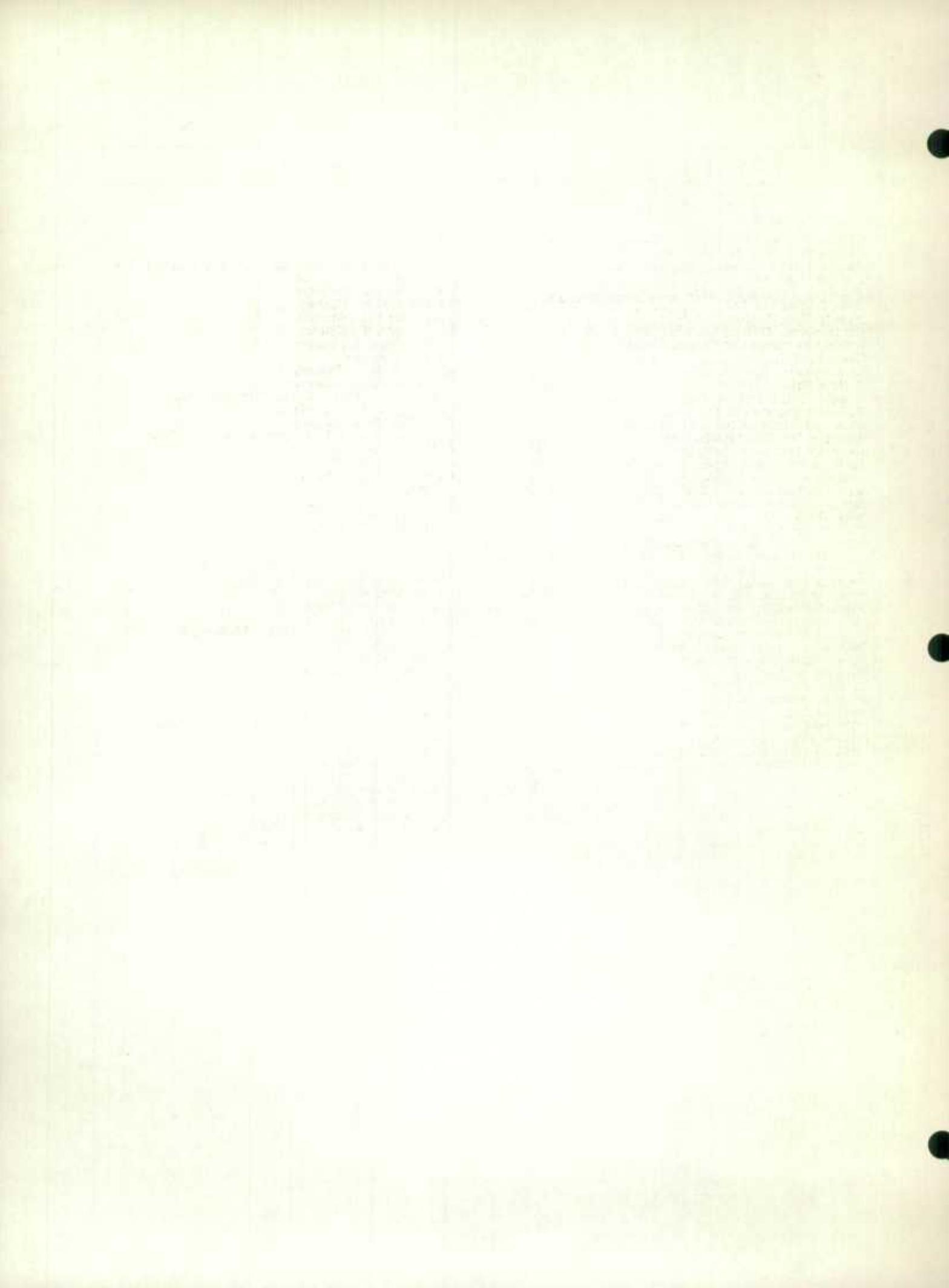
Province	Footage drilled						Gross income from drilling	Average number of employees	Total salaries and wages paid
	For petroleum		For gas		For other purposes				
	Type of drill		Type of drill		Type of drill				
	Cable	Rotary	Cable	Rotary	Cable	Rotary			
1957							\$		\$
Quebec	44,266	—	9,661	15,681	—	—	390,880	45	160,529
Ontario	39,278	5,683	257,603	4,150	17,165	12,246	1,350,888	173	556,164
Manitoba	—	445,604	—	—	1,304	3,060	2,330,666	266	823,516
Saskatchewan	—	3,767,653	—	5,763	—	234,825	18,990,781	1,351	5,980,640
Alberta	—	5,976,494	—	302,666	—	775,340	46,538,071	3,138	15,826,330
British Columbia	—	269,039	—	81,110	—	160,116	5,852,254	467	2,327,159
Northwest Territories	—	10,839	—	—	—	56,000	179,422	28	70,551
Canada	83,544	10,475,312	267,264	409,370	18,469	1,241,387	75,632,962	5,468	25,744,889
1958									
New Brunswick	6,671	—	—	—	—	—	29,944	2	5,316
Quebec	22,184	—	—	—	—	50	69,507	12	16,839
Ontario	55,605	29,163	182,723	7,049	10,140	3,675	1,367,528	148	594,577
Manitoba	—	174,490	2,816	—	—	—	918,960	82	242,269
Saskatchewan	—	3,126,630	—	5,080	—	133,970	11,121,233	919	4,014,073
Alberta	—	7,789,447	166,312	618,643	—	509,092	50,084,435	3,582	16,910,205
British Columbia	—	407,328	—	78,581	—	63,716	5,470,667	482	2,194,196
Northwest Territories	—	27,220	—	—	—	23,960	282,622	54	102,359
Canada	84,460	11,554,278	351,851	709,353	10,140	734,463	69,344,896	5,261	24,079,834

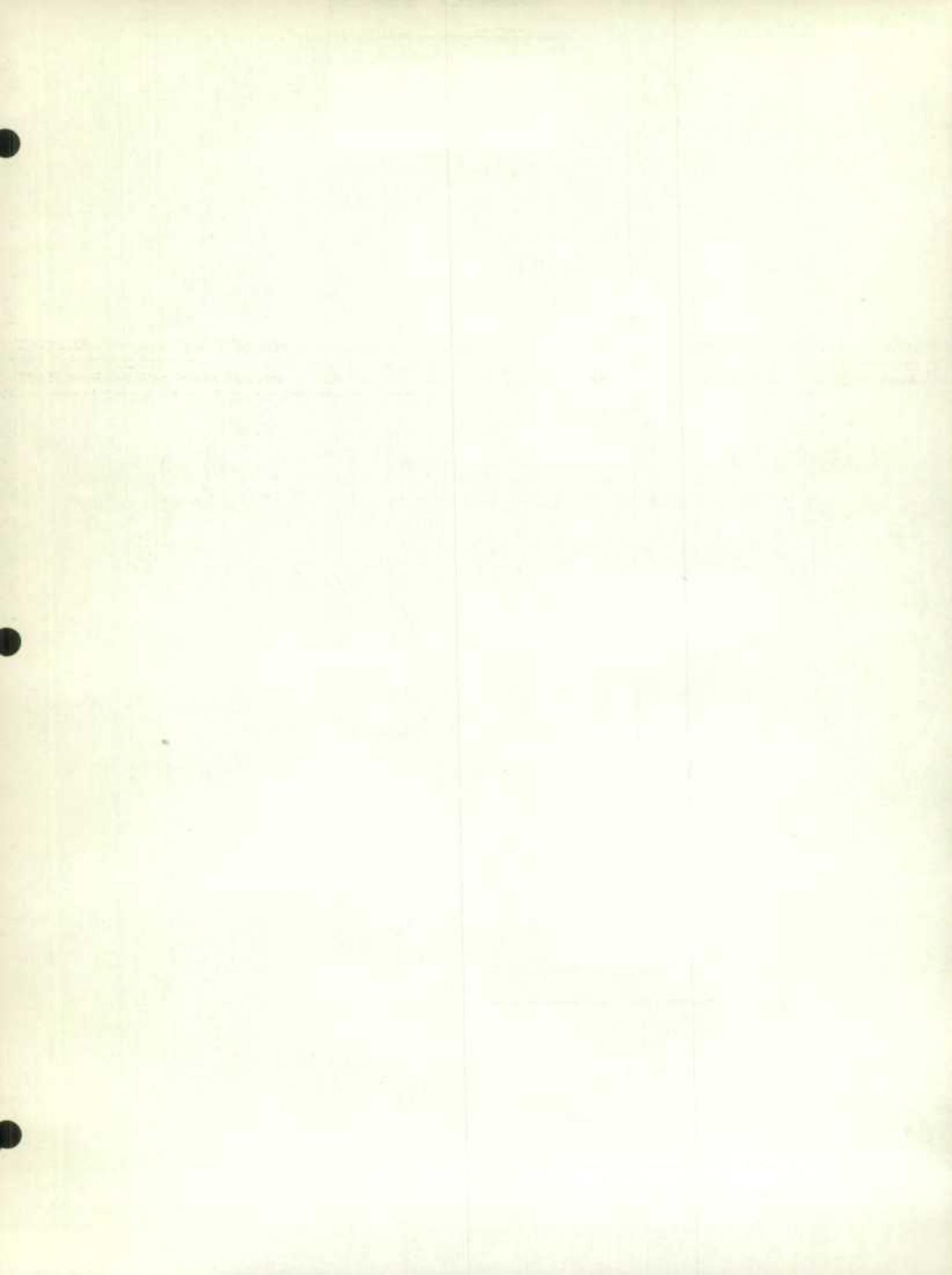
List of Contract Drillers, 1938

Name of firm	Head office address
Nova Scotia:	
Logan Bros.	Truro
Quebec:	
Dubé A.	3477 Drummond St., Montreal
St. Lawrence Drilling Co. Ltd.	Sherbrooke
Ontario:	
Ashton, J.L.	550 King St. W., Chatham
Culver, M., & Son	R.R. 2, Selkirk
Culver, O.	Stevensville
Davidson, F.L.	Wingham
Earl, Sydney	Kerrwood
Emerson & Rose	Port Rowan
Emerson, H.L.	R.R. No. 1, Dunnville
Garringer, Wm.	161 Forest St. E., Dunnville
Haskell, Bert	Bright
Heal, A.A.	Box 264, Watford
Heath & Sherwood	Kirkland Lake
Held, Karl F., & Son	Fort Erie
Irving, Donald	64 Culver St., Simcoe
Kiser, Wayne, & Son	111 Victoria Ave., Chatham
Knight & Neale	R.R. No. 5, Dunnville
Lather, R.	Bothwell
Lyons, S., & Son	R.R. 5, Simcoe
Mandy Drilling Contractors.....	Dunnville
McMaster, R., & Sons Co. Ltd.	Box 455, Caledonia
McPherson, R.L. Drilling Ltd.	88 Thompson Blvd., Riverside
Meier & Shaw	R.R. 1, Paincourt
Nagel, Elmer	Stevensville
Nauman, H.V.	Fisherville
Nauman, J.R.	Fisherville
Schweyer, George	Fisherville
Shank, E.	Port Dover
Sider, Ralph	Fort Erie
Smelser, Ivan, & Sons	Jarvis
Stewart, Elgin	R.R. 3, Jarvis
Stubble & Stubble	Merlin
Stubble, H.H., & Sons	225, Grand Ave., Chatham
Union Rotary Drillers (Canada) Limited	1104 N. Mission St., Mt. Pleasant, Michigan, U.S.A.
Manitoba:	
Coyle, D.J.	799 Gateway Rd., Winnipeg 5
Saskatchewan:	
Border Drilling Co. Ltd.	Lloydminster
Carroll Drilling Co. Ltd.	Lloydminster
Hub City Drilling Co.	321-21st. Ave. E., Saskatoon
L. & J. Drilling Ltd.	Empire Bldg., Calgary, Alta.
Porter Drilling Ltd.	306 Brent Bldg., Regina
Alberta:	
American Northland Oil Company	127 Montgomery St., San Francisco, California, U.S.A.
Arrow Drilling Company Canada Limited	203 Oil Exchange Bldg., Calgary
Bawdon, Peter, Drilling Ltd.	640-7th Ave. S.W., Calgary
Big Indian Drilling Co. Ltd.	216 Blow Bldg., Calgary
Brinkerhoff Drilling Company Ltd.	1001 Mobil Oil Bldg., Calgary
Brown Drilling Ltd.	10509-81st Ave., Edmonton
Cactus Drilling Corp. Ltd.	Box 853, Calgary
Canadian Husky Oil Ltd.	815-6th St. W., Calgary
Canamerican Drilling Ltd.	320-7th Ave. W., Calgary
Cambridge Corporation Ltd.	237-7th Ave. W., Calgary
Can-Tex Drilling Co. Ltd.	239-6th Ave. W., Calgary
Cascade Drilling Company Ltd.	330-9th Ave. W., Calgary
Charter Drilling Co. Ltd.	111-Petroleum Bldg., Calgary
Commonwealth Drilling Co. Ltd.	534-8th Ave. W., Calgary
Coralta Drilling Ltd.	Box 4104, Edmonton

List of Contract Drillers, 1958 - Concluded

Name of firm	Head office address
Alberta - Concluded:	
Coultis Drilling Ltd.	1724 Suffolk St., Calgary
Custom Drilling & Well Servicing Co. Ltd.	Wainwright
Dallas Drilling Company Ltd.	1208 First National Bank Bldg., Dallas, Texas, U.S.A.
Dernick-Guyer Inc.	505-8th Ave. S.W. Calgary
Double A. Drilling Co. Ltd.	8109-102nd St., Edmonton
Duke Drilling Co. Ltd.	239-8th Ave. W., Calgary
Fast Drilling Company Ltd.	11146-86th St., Edmonton
Gardner Bros. Drilling Co. Ltd.	309-7th Ave. W., Calgary
General Petroleum of Canada Limited	224-Ninth Ave. W., Calgary
Glacier Drilling Co.	Box 117, Coleman
Gustavson Drilling Co. Ltd.	203 Empire Bldg., Calgary
Guthrie McLean Drilling	11810-124th St., Edmonton
Hewgley Drilling Co. of Can. Ltd.	1111 Philtower Bldg., Tulsa, Oklahoma, U.S.A.
Hi-Tower Drilling Co. Ltd.	400 Lancaster Bldg., Calgary
Hunter Drilling Limited	202 Empire Bldg., Calgary
Jennings Drilling (Alberta) Ltd.	606 Luson-Lincham Bldg., 209-8th Ave., Calgary
Kenyon's Drilling & Servicing Ltd.	10439-82nd. Ave., Edmonton
Loffland Brothers Company of Canada	Box 1649, Tulsa, Oklahoma, U.S.A.
Lohmann-Johnson Drilling Co. Ltd.	208 Bamlett Bldg., Calgary
MacLean Well Servicing Ltd.	Redwater
McKay & Booth Drilling Co. Ltd.	534-8th Ave. W., Calgary
Merit Drilling Co.	415-10th St. N.W., Calgary
Nufield Operators Ltd.	308 Northgate Bldg. Edmonton
Parker Drilling Co. of Canada Limited	409-8th Ave. W., Calgary
Paul Guthrie Development Ltd.	815-6th St. W., Edmonton
Pennant Drilling Ltd.	203 Mayo Bldg., Tulsa, Oklahoma, U.S.A.
Petrolia Drilling Co. Ltd.	1410-4th St. S.W., Calgary
Portable Drilling Ltd.	209-6th Ave. W., Calgary
Precision Drilling Co. Ltd.	1134-8th Ave. W., Calgary
R. & J. Drilling Co. Ltd.	Tylvan Lake
Reading & Bates Drilling Co. Ltd.	1502 Philtower Bldg., Tulsa 3, Oklahoma, U.S.A.
Regent Drilling Company Limited	Box 421, Edmonton
Rine Drilling Co. of Canada Ltd.	534-8th Ave. W., Calgary
Rodcliff Drilling Ltd.	10830-138th St., Edmonton
Ryland Drilling Limited	Box 608, Edmonton
S. & T. Drilling Co. Ltd.	10852-82nd Ave., Edmonton
Seaman Engineering & Drilling Co. Ltd.	320-39th Ave. E., Calgary
Thorton & Bates Drilling Co.	1101 Philtower Bldg., Tulsa, Oklahoma, U.S.A.
Trennd Enterprises Ltd.	2201-10th Ave. W., Calgary
Tri-City Drilling Co. Ltd.	Box 2347, Edmonton
Trident Drilling Co. Ltd.	803-8th St. W., Calgary
Trinity Canadian Drilling Co.	237-7th Ave. W., Calgary
Tronsgard Drilling Ltd.	10548-82nd Ave., Edmonton
Wardean Drilling Co. Ltd.	10916-146th St., Edmonton
Wilderman Drilling Ltd.	216 Blow Bldg., Calgary
Wildrich Drilling Co.	1134-8th Ave. W., Calgary





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