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CONTRACT DRILLING FOR THE MINING INDUSTRY

1962



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CONTRACT DRILLING FOR THE MINING INDUSTRY

1962

SECTION I

Diamond Drilling of Deposits other than Fuels

This portion of the report includes statistics for industry 098—Other Contract Drilling of the Standard Industrial Classification Manual (Catalogue number 12-501).

During 1962 the footage drilled by contract diamond drilling was 5,549,733 compared with 5,290,813 in 1961. Income received from drilling was \$17,907,424. There were 58 firms reporting

their operations in this industry. Drilling was reported in all provinces and territories. The average number of employees was estimated at 1,926 and the salaries and wages totalled \$7,985,202.

Equipment owned by the operators included 363 air or steam-driven drills, 378 gasoline-driven drills, 13 electric driven drills and 260 diesel driven drills.

TABLE 1. Contract Diamond Drilling Operations, 1953 - 62
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
			\$		\$
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	6,296,128		21,221,593	2,951	10,831,483
1958	4,426,594		14,419,623	1,717	6,921,761
1959	5,435,971		17,879,624	1,902	7,967,756
1960	5,521,211		17,056,676	1,912	7,977,782
	Footage drilled				
	Surface	Underground			
1961					
Newfoundland	139,380	61,199	853,394	105	389,237
Nova Scotia and Prince Edward Island	4,998	—	24,787	6	11,068
New Brunswick	48,550	29,344	307,012	49	139,806
Quebec	984,010	842,250	4,365,605	655	2,075,117
Ontario	775,547	1,113,647	5,331,059	609	2,329,342
Manitoba	640,378	2,954	2,111,417	279	1,272,982
Saskatchewan	52,963	30,955	269,584	39	135,905
Alberta	18,240	—	93,314	7	22,655
British Columbia	220,683	95,680	2,194,219	198	1,087,456
Northwest Territories	56,592	157,696	565,628	68	255,309
Yukon	3,327	12,420	109,159	10	46,600
Canada	2,944,668	2,346,145	16,225,178	2,025	7,765,477
1962					
Newfoundland	89,325	21,091	602,174	69	250,372
Nova Scotia and Prince Edward Island	52,635	—	238,893	36	106,797
New Brunswick	109,232	43,506	571,011	71	209,247
Quebec	997,958	904,713	4,780,098	568	2,298,703
Ontario	865,724	1,142,094	5,774,148	621	2,518,933
Manitoba	624,124	—	2,181,874	198	962,316
Saskatchewan	42,054	—	197,085	29	95,008
Alberta	13,190	—	94,561	13	39,171
British Columbia	202,788	123,488	2,365,806	210	1,024,635
Northwest Territories	100,014	192,191	853,979	96	367,943
Yukon	12,719	12,887	247,795	15	112,077
Canada	3,109,763	2,439,970	17,907,424	1,926	7,985,202

TABLE 2. Value of Stones, Ready-set and Cast-set Bits, Purchased by Contractors, 1953 - 62

Year	Value	Year	Value
	\$		\$
1953	2,939,143	1958	1,807,398
1954	2,051,999	1959	2,828,106
1955	3,356,757	1960	2,713,923
1956	2,689,302	1961	1,826,298
1957	3,267,887	1962	2,111,111

TABLE 3. Diamonds Purchased and Stones used in 1962

Diamonds	Purchased		Consumed or used	
	Weight	Value	Weight	Value
	carats	\$	carats	\$
Borts	182,955	1,189,226	186,709	1,173,465
Ballas	3,702	11,415	4,041	12,434
Carbons (black diamonds)	1,018	29,218	1,018	28,018
Other	2,807	12,687	5,886	21,511
Ready-set and cast-set bits not included above	92,890	868,565	133,783	913,844

TABLE 4. Drilling Completed on Gold Quartz Deposits, 1961 and 1962

	Footage drilled	
	1961	1962
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	552,128	127,348
By diamond drilling contractors ¹	1,380,785	2,796,117
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	6,161	27,614
By diamond drilling contractors ¹	13,619	9,186
Drilling by percussion or other machines ²	36,632,556	35,157,376

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 1962 totalled \$220,715 compared with \$259,838 in 1961.

TABLE 5. Drilling Completed on Copper-Gold-Silver and Nickel-Copper Deposits, 1961 and 1962

	Footage drilled	
	1961	1962
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	267,448	346,548
By diamond drilling contractors ¹	1,973,835	1,785,459
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	898,785	1,029,509
By diamond drilling contractors ¹	561,017	201,503
Drilling by percussion or other machines ²	49,626,934	53,523,999

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 1962 totalled \$369,268 compared with \$293,751 in 1961.

TABLE 6. Drilling Completed on Silver-Lead-Zinc and Silver-Cobalt Deposits, 1961 and 1962

	Footage drilled	
	1961	1962
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment.....	74,744	64,813
By diamond drilling contractors ¹	411,961	602,426
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment.....	350,240	426,920
By diamond drilling contractors ¹	—	54,727
Drilling by percussion or other machines ²	10,110,085	11,914,507

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 1962 amounted to \$150,262 compared with \$123,806 in 1961.

TABLE 7. Drilling Completed on Other Metal-bearing Deposits, 1961 and 1962

	Footage drilled	
	1961	1962
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment.....	98,779	9,894
By diamond drilling contractors ¹	620,470	550,981
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment.....	6,076	250,538
By diamond drilling contractors ¹	—	365,355
Drilling by percussion or other machines ²	32,984,610	30,922,506

¹ Included in Table 1.

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

Note: Value of diamonds purchased by other metal-mining companies in 1962 amounted to \$15,758 compared with \$56,739 in 1961.

TABLE 8. Drilling Completed on Asbestos Deposits, 1961 and 1962

	Footage drilled	
	1961	1962
Diamond drilling for exploration and testing:		
By mining companies with their own personnel and equipment	28,018	—
By diamond drilling contractors ¹	230,357	178,945
Other diamond drilling:		
Blast hole diamond drilling:		
By mining companies with their own personnel and equipment	—	—
By diamond drilling contractors ¹	—	—
Drilling by percussion or other machines ²	5,433,667	6,462,201

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 4 to 8 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 \$4,489 in 1962 and \$3,400 in 1961.

List of Diamond Drilling Contractors, 1962

Name	Head office address
Acme Diamond Drilling Ltd	24 Wellington St. W., Toronto, Ontario
Arno Diamond Drilling Co. Ltd.	Box 426, Timmins, Ontario
Atlantic Drillers & Explorers Ltd.	Springdale, Newfoundland
Baderski, Frank, & Son Ltd.	464 Algonquin Blvd. E., Timmins, Ontario
Barron, Diamond Drilling Ltd.	Haileybury, Ontario
Boyles Bros. Drilling (Alberta) Ltd.	10210-111 Street, Edmonton, Alberta
Boyles Bros. Drilling Co. Ltd.	1651 Franklin St., Vancouver, British Columbia
Boyles Bros. Drilling (Eastern) Ltd.	142 N. Cumberland St., Port Arthur, Ontario
Boyles Bros. (Quebec) Ltd.	98-14th Street Noranda, Quebec
Bradley Bros. Ltd.	Noranda, Quebec
Brochu Diamond Drilling ¹	116 Highland Rd., North Bay, Ontario
Brown & Hall	R.R. 2, Armdale-Halifax Co., N.S.
Burton, Archie S. ¹	352 Howey Drive, Sudbury, Ontario
Byberg Diamond Drilling	907-1st St. S., Kenora, Ontario
Cameron Drilling Co. Ltd.	491 First Ave., Malartic, Quebec
Canadian Longyear Ltd.	Box 330, North Bay, Ontario
Caron Bros. Diamond Drilling	Box 772, Haileybury, Ontario
Chenette Drilling Reg'd	81 Fecteau St., Thetford Mines, Quebec
Cloutier Bros. Diamond Drilling	North Cobalt, Ontario
Collin, A Diamond Drilling	1005 Abitibi, Val d'Or, Quebec
Connors, T. Diamond Drilling Co. Ltd.	Box 148, Newcastle, New Brunswick
Connors, T., Diamond Drilling Co., Ltd.	147 West, 3rd Ave., Vancouver, British Columbia
Continental Diamond Drilling Co. Ltd.	Drawer 250, Rouyn, Quebec
Dion, L., Diamond Drill Contractor	Box 724, Red Lake, Ontario
Edwards, Jack H. Diamond Drilling Ltd.	Box 369, Kenora, Ontario
Fathom Drilling Ltd.	Madsen, Ontario
Fournier Diamond Drilling Reg'd	Sullivan, Quebec
Gisler, Diamond Drilling (R.L.) Ltd.	Red Lake, Ontario
Goyette Diamond Drilling Co. Ltd.	1010-6th Ave., Val d'Or, Quebec
Griffith Bros. Diamond Drilling Ltd.	Bissett, Manitoba
Groleau Bros. Diamond Drilling Co. Ltd.	44 Taschereau St. E., Rouyn, Quebec
Heath & Sherwood Drilling Ltd.	Box 998, 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. Ltd.	Cochénour, Ontario
Lantz Diamond Drilling Co.	Wabigoon, Ontario
Larson, B.E.	600 St. Anne St., Bathurst, New Brunswick
Lebel, J.B. Ltée	Box 280, Senneterre, Quebec
Logan Bros. Diamond Drilling	R.R. No. 2, Truro, Nova Scotia
Midwest Diamond Drilling Co. Ltd.	866 King Edward, Winnipeg, Manitoba
Minogue, I.G. Diamond Drilling Co.	474 Spruce St. North, Timmins, Ontario
Morissette Diamond Drilling Ltd.	Box 789, Haileybury, Ontario
Mutch Diamond Drilling Co. Ltd.	786 Edgewood Rd. North, Vancouver, British Columbia
National Diamond Drilling Co. Ltd. ¹	Box 508, Rossland, British Columbia
Newman, Drilling & Exploration	8 Kowan Ave., Kirkland Lake, Ontario
Pacific Diamond Drilling Co. Ltd.	854 Dunsmuir St., Vancouver, British Columbia
Parcher, E.R. Drilling	34 Nickel St., Cobalt, Ontario
Patricia Diamond Drilling Co. Ltd.	McKenzie Island, Ontario
Portelance Diamond Drilling Co. Ltd.	10039 Rome Ave., Montreal North, Quebec
Quenville Diamond Drilling	1980 Bancroft Drive, Sudbury, Ontario
Rabb Diamond Drilling Co. Ltd.	88 Spruce St., Cardiff, Ontario
Rouyn Diamond Drilling & Dev. Co. Ltd.	122 Taschereau St. E., Rouyn, Quebec
Rowan, Angus Diamond Drilling	99 Elm St. N., Timmins, Ontario
Roy, Aimé	St. Ubald, Quebec
St. Lambert Drilling Co. Ltd.	Box 243, Thetford Mines, Quebec
St. Lawrence Drilling Co. Ltd.	R.R. No. 4 Lennoxville, Quebec
St. Louis-Bergeron Diamond Drilling Co. Ltd.	Box 848, New Liskeard, Ontario
Sprague & Henwood Inc.	221 West Olive St., Scranton, Pennsylvania, U.S.A.
Sudbury Diamond Drilling	375 Laforest Ave., Sudbury, Ontario
Talbot, Claude, Diamond Drilling Contracteur	Chibougamau, Quebec
Wilson A. Contract Diamond Drilling	Box 277, Noranda, Quebec
Zagozewski, Joseph	McKenzie Island, Ontario

¹ Inactive during the year under review.

SECTION II

Contract Drilling for Fuels

This report includes statistics for industry 096 - Contract Drilling for Petroleum of the Standard Industrial Classification Manual (Catalogue number 12-501).

Drilling for petroleum or natural gas, direct, or exploratory drilling for these minerals was reported by 72 contractors. The total reported footage was 12,712,203 feet and the income from operations amounted to \$62,152,954 compared, respectively, with 12,787,048 feet and \$68,591,114 in 1961. Rotary drilling amounted to 12,459,736 feet and 252,467 feet were done by cable drills.

The firms owned 322 rotary drills and 42 cable drills.

Supplies used during the year included 9,971 tons of bentonite, Pembina clay, etc., valued at \$552,301; 2,958 tons of barite valued at \$172,435; drilling bits, cables and lubricants valued at \$7,929,461; general repairs to rig, \$9,057,935 and casing pipe was valued at \$1,497,156. 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 9. Drilling Conducted during 1960-62 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	Dia- mond	Rotary			
								\$		\$
1960										
New Brunswick	13, 117	—	—	—	—	—	—	31,689	4	9,652
Quebec	10, 022	—	—	—	—	—	—	34,551	8	22,964
Ontario	76, 053	23, 156	99, 271	596	21, 802	—	19, 266	1, 303, 429	122	539, 871
Manitoba	—	156, 361	—	—	1, 500	—	5, 200	644, 498	49	177, 633
Saskatchewan	—	1, 415, 646	—	236, 683	—	—	355, 016	4, 536, 088	512	2, 204, 914
Alberta	—	7, 646, 440	—	681, 225	505	—	1, 578, 462	56, 995, 583	3, 451	17, 080, 996
British Columbia	—	394, 832	—	173, 154	9, 478	—	597, 839	8, 957, 960	613	2, 699, 174
Northwest Territories	—	54, 634	—	8, 723	—	—	134, 164	1, 334, 094	72	240, 572
Yukon	—	—	—	8, 004	—	—	49, 382	402, 904	29	180, 994
Canada	99, 192	9, 691, 069	99, 271	1, 108, 385	33, 285	—	2, 739, 329	75, 240, 796	4, 860	23, 156, 770
1961										
New Brunswick	—	—	—	—	—	—	—	—	—	—
Quebec	17, 018	—	—	3, 600	—	—	—	62, 300	9	36, 837
Ontario	43, 256	14, 421	75, 131	—	24, 845	—	14, 086	846, 293	93	339, 936
Manitoba	—	58, 179	—	—	1, 200	—	90	313, 771	23	84, 807
Saskatchewan	—	1, 721, 490	—	2, 814	—	—	187, 197	5, 968, 159	420	1, 744, 991
Alberta	—	7, 858, 781	—	462, 168	—	—	1, 092, 017	51, 986, 359	3, 100	16, 794, 051
British Columbia	—	759, 215	—	203, 391	8, 648	—	64, 036	8, 576, 398	450	2, 502, 287
Northwest Territories	—	56, 117	—	20, 584	—	—	84, 544	829, 099	48	240, 901
Yukon	—	—	—	—	—	—	14, 220	8, 735	1	1, 159
Canada	60, 274	10, 468, 203	75, 131	692, 557	34, 693	—	1, 456, 190	68, 591, 114	4, 144	21, 744, 969
1962										
Quebec	—	—	—	5, 736	—	—	—	20, 400	3	8, 378
Ontario	62, 593	4, 331	24, 011	2, 738	144, 203	—	9, 378	868, 969	84	294, 130
Manitoba	—	52, 069	—	—	600	—	1, 200	274, 399	25	87, 226
Saskatchewan	—	1, 332, 974	—	17, 246	—	—	161, 247	5, 713, 903	310	1, 427, 061
Alberta	—	7, 451, 400	—	355, 213	—	—	1, 295, 509	42, 895, 421	2, 597	15, 093, 283
British Columbia	—	997, 342	—	253, 359	21, 060	—	328, 507	9, 873, 081	641	3, 290, 171
Northwest Territories	—	36, 392	—	—	—	—	117, 678	1, 051, 253	70	187, 481
Yukon	—	36, 617	—	—	—	—	800	1, 455, 528	70	382, 793
Canada	62, 593	9, 911, 125	24, 011	634, 292	165, 863	—	1, 914, 319	62, 152, 954	3, 800	20, 770, 523

List of Contract Drillers, 1962

Name	Head office address
Ontario:	
Atkin Contracting Ltd.	Box 3, Madsen
Culver, M., & Son	R.R. 2, Selkirk
Davidson, G.	Wingham
Earl, Sydney	Kerrwood
Emerson & Rose	Port Rowan
Irving, Donald	64 Culver St., Simcoe
Jackson, P.L. & Co.	211 George St., Dunnville
Kiser, W.R.	111 Victoria Ave., Chatham
Lather, R. & V.	Bothwell
Lyons, S., & Son	R.R. 5, Simcoe
McMaster, Robert & Son Co. Ltd.	Box 455, Caledonia
McPherson, R.L. Drilling Ltd.	88 Thompson Blvd., Riverside
Nauman, J.R.	Fisherville
Smelser, Ivan & Son	Jarvis
Stewart, Elgin	R.R. 3, Jarvis
Stubble & Stubble	Merlin
Union Rotary Drillers (Canada) Limited	1300 N. Fancher St., Mt. Pleasant, Michigan, U.S.A.
Manitoba:	
Coyle, D.J.	799 Gateway Rd., Winnipeg 5
Saskatchewan:	
Border Drilling Co. Ltd.	Lloydminster
Hub City Drilling Co.	610 Canada Bldg., Saskatoon
Porter Drilling Ltd.	201 A Brent Bldg., Regina
Alberta:	
Accurate Exploration Ltd.	2201 - 10th Ave. S.W., Calgary
Arrow Drilling Company Limited	309-7th Ave. W., Calgary
Aurora Drilling	10823-95th St., Grande Prairie
Bawden Peter Drilling Ltd.	707-7th Ave. W., Calgary
Becker Drilling (Alberta) Ltd. c/o Foothills Drilling Ltd.	2633-17th Ave. S.E. Calgary
Bennett & Nowak Drilling Co. Ltd.	1315-1st St. W., Calgary
Big Horn Drilling Ltd.	6530-100th St. Edmonton
Big Indian Drilling Co. Ltd.	1318-9th Ave. S.E., Calgary
Brinkerhoff Drilling Company Ltd.	220 Bentall Bldg., Calgary
Brown Drilling Ltd.	10509-81st Ave., Edmonton
Cactus Drilling Corp. Ltd.	Box 1508, Calgary
Canamerican Drilling Corp. Ltd.	320-7th Ave. W., Calgary
Canbridge Corporation Ltd.	237-7th Ave. W., Calgary
Can-Tex Drilling & Exploration Ltd.	320-7th Ave. S.W., Calgary
Carroll Drilling Co. Ltd.	Box 350, Lloydminster
Cascade Drilling Company Ltd.	5112-31 St. S.E., Calgary
Central Del Rio Oils Ltd.	224-9th Ave. W., Calgary
Chipmunk Drilling Co. Ltd.	5-411-6th Ave. S.W., Calgary
Commonwealth Drilling Co. Ltd.	706-7th Ave. S.W., Calgary
Coralta Drilling Ltd.	Box 4104, Edmonton
Coultis Drilling Ltd.	1724 Suffolk St., Calgary

List of Contract Drillers, 1962 - Concluded

Name	Head office address
Alberta - Concluded:	
Crosbie, G.R. Drilling Ltd.	2007 Centre St. N., Calgary
Double A. Drilling Co. Ltd.	1700 Elveden House, Calgary
Duke Drilling Co. Ltd.	1550 Elveden House, Calgary
Foothills Drilling Ltd.	2633-17th Ave. S.E. Calgary
Gustavson Drilling Co. Ltd.	1660 Elveden House, Calgary
Gyro Explorations Ltd.	7032 Farrel Rd., Calgary
Hi-Tower Drilling Co. Ltd.	915-42nd Ave., S.E., Calgary
Hunter Drilling Limited	202 Empire Bldg., Calgary
Jennings Drilling Co. Ltd.	736-8th Ave., Calgary
Kuntz, H.M. & Associated Ltd.	Ingraham Bldg., Calgary
Loffland Brothers Company of Canada	Box 4567, Tulsa, Oklahoma, U.S.A.
Lohmann-Johnson Drilling Co. Ltd.	740-Elveden House, Calgary
Moose Drilling Ltd.	2420-39th St. S.E., Forest Lawn
Parker Drilling Co. of Canada Limited	444-7th Ave. S.W., Calgary
Pennant Drilling Company Ltd.	415 Petroleum Club Block, Denver, Colorado, U.S.A.
Petrolia Drilling Ltd.	1410-4th St. S.W., Calgary
Portable Drilling Ltd.	212-640-7th Ave. S.W., Calgary
Precision Drilling Co. Ltd.	1147-17th Ave. S.W., Calgary
R. & J. Drilling Co. Ltd.	Sylvan Lake
Reading & Bates Drilling Co. Ltd.	1101 Philtower Bldg., Tulsa 3, Oklahoma, U.S.A.
Rine Drilling Co. of Canada Ltd.	536-8th Ave. S.W., Calgary
S. & T. Drilling Ltd.	10762-82nd Ave., Edmonton
Sedco Exploration Ltd.	915-42nd Ave. S.E., Calgary
Strategic Surveys Ltd.	1303 Colborne Crescent, Calgary
Trail Drilling Ltd.	Airdrie
Tri-City Drilling Co. Ltd.	11903 Kingsway, Edmonton
Trinity Canadian Drilling Co.	237-7th Ave. W., Calgary
Wardean Drilling Ltd.	4431-6th Ave. S.W., Calgary
Warnke Bros. Ltd.	Wetaskiwin
Young Exploration Co. of Canada	Box 5086, Oklahoma City, Oklahoma, U.S.A.
British Columbia:	
Western Water Wells & Hamelin Drilling Ltd.	1533 West Pender St., Vancouver

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