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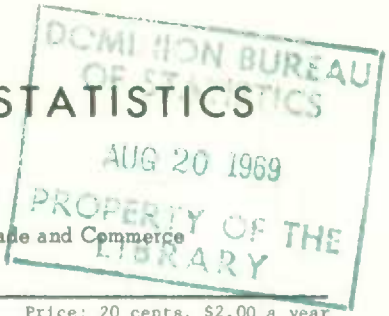
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CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

JANUARY 1969

The production of crude petroleum and equivalent hydrocarbons during January 1969 amounted to 36,644,531 barrels, or 1,182,082 barrels per day, an increase of 20.0 per cent or 196,672 barrels per day from January 1968. The production figures for all petroleum liquids for the two years are as follows:

	January 1968		January 1969	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensate	30.5	985,410	33.5	1,080,413
Pentanes plus	2.8	89,220	3.2	101,669
Propane and butanes	2.4	75,897	2.5	82,174
Totals	35.7	1,150,527	39.2	1,264,256

The disposition of Canadian crude and equivalent for January 1969 was 20.8 million barrels (56.8 per cent) to Canadian refineries and 15.0 million barrels (41.1 per cent) was exported. The difference between supply and sales of 2.1 per cent is accounted for by inventory changes, industry own use, etc. Imported crude petroleum for the same period amounted to 16.6 million barrels (535,119 barrels per day) bringing domestic requirements for crude petroleum and equivalent hydrocarbons to 37.4 million barrels (1,206,354 barrels per day).

Natural gas production increased 15.4 per cent to 201,856,251 Mcf. from 174,894,943 Mcf. in January 1968. The disposition of natural gas for January 1969 is as follows: 2.2 million was net deliveries to storage and injection operations; 29.3 million was used, lost or unaccounted for in fields and processing plants; 58.0 million was exported; 47.7 million was sold to ultimate customers in the prairies; 39.9 million in Ontario; 10.1 in British Columbia and 4.9 million in Quebec. The remaining 9.8 million Mcf. was accounted for by other deliveries, pipeline fuel losses and line pack fluctuations.

Table 1 includes production of petroleum and equivalent hydrocarbons, propane and butanes. Pentanes plus represent the crude oil equivalent production at gas processing plants. Propane and butanes represent the net withdrawals from gas processing plants.

Table 2 Supply and Disposition of Crude oil and Equivalent. Disposition is given to the first stage of marketing, either directly as deliveries to refineries or export. The companion publication "Refined Petroleum Products" gives the disposition of crude oil received by the refinery including the sales of various refined petroleum products. Inventories held by purchasers and refiners in field and pipeline are included in Table 2, while inventories held by refiners in a refinery complex are excluded. Details on the movement of crude oil by pipeline are given in another companion report "Oil Pipeline Transport", Catalogue number 55-001.

All volumes of crude oil are given in barrels of 35 Canadian gallons at 60° F. Details of production are published by the individual provinces.

In Table 3, disposition is given to the ultimate delivery by the gas utilities. Deliveries of natural gas to storage are considered as terminated, and therefore receipts from storage originate in the province where the storage is located. Field flared and waste gas are not considered as net new production; but processing plant flared and waste gas are included and constitute a disposition end use.

A companion publication "Gas Utilities," Catalogue number 55-002 provides additional details on the movement and sales of natural gas.

All volumes of natural gas in this report are given in thousand cubic feet measured at 14.73 p.s.i.a. at 60° F.

Sulphur volumes are expressed in short tons measured at 2,000 pounds.

Manufacturing and Primary Industries Division

August 1969
6503-515

TABLE 1. Field and Plant Production of Liquid Hydrocarbons by Month, by Province, January 1969

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Canadian gallons							
<u>Crude oil and condensate</u>								
January	588	95,432	523,232	7,611,116	23,213,183	1,967,296	81,957	33,492,804
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
<u>Pentanes plus</u>								
January	-	-	-	30,142	3,039,460	82,125	-	3,151,727
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
<u>Propane</u>								
January	-	-	-	72,784	1,439,826	41,529	-	1,554,139
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
<u>Butanes</u>								
January	-	-	-	29,834	913,941	49,485	-	993,260
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Total January 1969	588	95,432	523,232	7,743,876	28,606,410	2,140,435	81,957	39,191,930
Total year to date	588	95,432	523,232	7,743,876	28,606,410	2,140,435	81,957	39,191,930
Total January 1968	668	101,554	489,030	7,815,936	25,157,212	1,927,890	79,213	35,571,503

TABLE 2. Supply and Disposition of Crude Oil and Equivalent, by Source, Canada, January 1957

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
<u>Supply</u>										
<u>Domestic production</u>										
Crude oil	588	95,432	523,232	7,611,116	23,213,197	1,957,774	85,537	33,486,876	...	33,486,876
Synthetic crude oil	-	-	-	-	673,548	-	-	673,548	...	673,548
Less returned to formation	-	-	-	-	737,139	-	3,580	740,719	...	740,719
Totals	588	95,432	523,232	7,611,116	23,149,606	1,957,774	81,957	33,419,705	...	33,419,705
Condensate	-	-	-	-	63,577	9,522	-	73,099	...	73,099
Pentanes plus	-	-	-	30,142	3,039,460	82,125	-	3,151,727	...	3,151,727
Net withdrawals	588	95,432	523,232	7,641,258	26,252,643	2,049,421	81,957	36,644,531	...	36,644,531
Imports .....	...	...	...	...	...	...	...	...	16,588,677	16,588,677
Total supply	588	95,432	523,232	7,641,258	26,252,643	2,049,421	81,957	36,644,531	16,588,677	53,233,208
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	3,773,780	3,773,780
Quebec	-	-	-	-	-	-	-	-	12,811,303	12,811,303
Ontario	-	95,432	246,545	4,367,339	6,487,436	-	-	11,196,752	-	11,196,752
Manitoba	-	-	19,855	814,317	557,983	-	-	1,392,155	-	1,392,155
Saskatchewan	-	-	-	209,204	1,952,870	-	-	2,162,074	-	2,162,074
Alberta	-	-	-	-	3,284,040	-	-	3,284,040	-	3,284,040
British Columbia	-	-	-	-	1,041,144	1,667,990	-	2,709,134	-	2,709,134
Northwest Territories	-	-	-	-	-	-	67,731	67,731	-	67,731
Totals	-	95,432	266,400	5,390,860	13,323,473	1,667,990	67,731	20,811,886	16,585,083	37,396,969
<u>Exports to U.S.A.</u>										
<u>Petroleum Administration</u>										
District I	-	-	-	84,653	1,695,181	-	-	1,779,834	-	1,779,834
II	-	-	286,453	2,185,991	5,188,122	-	-	7,660,566	-	7,660,566
IV	-	-	-	-	664,498	-	-	664,498	-	664,498
V	-	-	-	-	4,616,540	323,983	-	4,940,523	-	4,940,523
Totals	-	-	286,453	2,270,644	12,164,341	323,983	-	15,045,421	-	15,045,421
<u>Inventories</u>										
Opening - Field and plant	5,769	-	71,621	449,246	1,677,804 ^F	- 17,221	73,232	2,260,451	-	2,260,451
Transporters'	-	-	94,621	5,059,221	26,105,946	1,325,394	-	32,585,182	359,835	32,945,017
Closing - Field and plant	5,267	-	70,897	446,992	1,802,591	- 26,090	87,458	2,387,115	-	2,387,115
Transporters'	-	-	63,134	5,045,974	26,452,190	1,453,912	-	33,015,210	359,835	33,375,045
Net change	- 502	-	- 32,211	- 15,501	471,031	119,649	14,226	556,692	-	556,692
Deliveries to other purchasers	1,223	-	-	-	2,107	1,060	-	4,390	-	4,390
Pipeline fuel	-	-	-	-	14,141	-	-	14,141	-	14,141
Field and plant use	-	-	-	11,357	51,941	-	-	63,298	-	63,298
Losses and adjustments	- 133	-	2,590	- 16,102	225,609	- 63,261	-	148,703	3,594	152,297
Total disposition	588	95,432	523,232	7,641,258	26,252,643	2,049,421	81,957	36,644,531	16,588,677	53,233,208

... Figures not appropriate or not applicable.

^F Revised figures.

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, January 1969

No.		New Brunswick	Quebec	Ontario	Saskatchewan
		Mcf.			
	<u>A. FIELD AND PROCESSING PLANTS</u>				
	<u>Supply</u>				
1	Gross new production	11,624	13,947	1,243,165	7,312,242
2	Less field flared and waste	-	-	-	913,274
3	Net new production (1 - 2)	11,624	13,947	1,243,165	6,398,968
4	Reproduced	-	-	-	-
5	Less injected and stored	-	-	-	-
6	Net withdrawals	11,624	13,947	1,243,165	6,398,968
	<u>Disposition</u>				
7	Field disposition and uses	195	-	-	316,177
8	Gathering system disposition and uses	-	-	-	105,711
9	Processing plant disposition and uses:				
9a	Processing shrinkage	-	-	-	199,564
9b	Other disposition and uses	-	-	-	226,454
10	Other uses	-	-	-	78,129
11	Adjustment	-	-	-	- 19,168
12	Deliveries of marketable gas	11,429	13,947	1,243,165	5,492,101
13	Total disposition	11,624	13,947	1,243,165	6,398,968
	<u>B. GAS UTILITIES</u>				
	<u>Supply</u>				
14	Receipts of marketable gas				
14a	Plants	-	-	4,111	3,018,412
14b	Fields	11,429	13,947	1,239,054	3,473,689
15	Total (14a + 14b)	11,429	13,947	1,243,165	5,492,101
16	Receipts from distributor storage	-	-	14,756,105	1,785,378
17	Imports	-	-	-	-
17a	Other receipts(1)	-	-	769	-
18	Total supply of marketable gas (15 + 16 + 17 + 17a)	11,429	13,947	16,000,039	7,277,479
	<u>Disposition</u>				
	<u>Sales</u>				
19	British Columbia	-	-	-	-
20	Alberta	-	-	-	-
21	Saskatchewan	-	-	-	5,925,337
22	Manitoba	-	-	-	-
23	Ontario	-	-	16,069,702	-
24	Quebec	-	13,947	-	-
25	New Brunswick	7,325	-	-	-
26	Total sales (19 to 25 inclusive)	7,325	13,947	16,069,702	5,925,337
27	Exports	-	-	-	-
28	Other deliveries(2)	-	-	-	-
29	Delivered to distributor storage	-	-	-	100,899
30	Pipeline line pack fluctuation	-	-	-	- 17,582
31	Pipeline fuel	-	-	36,592	297,997
32	Pipeline losses etc.	4,104	-	- 106,255	970,828
33	Total disposition of marketable gas (26 to 32 inclusive)	11,429	13,947	16,000,039	7,277,479

(1) L.P.G. for gas enrichment, peak shaving or temporary supply.

(2) Direct deliveries for industrial consumption and miscellaneous utility deliveries.

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, January 1969

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
169,745,675	29,938,969	60,650	208,326,272	...	208,326,272	1
4,538,197	964,414	54,136	6,470,021	...	6,470,021	2
165,207,478	28,974,555	6,514	201,856,251	...	201,856,251	3
-	-	-	-	...	-	4
18,472,675	477,372	-	18,950,047	...	18,950,047	5
146,734,803	28,497,183	6,514	182,906,204	...	182,906,204	6
989,870	157,792	-	1,464,034	...	1,464,034	7
656,537	216	-	762,464	...	762,464	8
19,403,698	663,760	-	20,267,022	...	20,267,022	9a
6,903,067	3,279,679	-	10,409,200	...	10,409,200	9b
96,791	-	6,514	181,434	...	181,434	10
- 3,343,690	- 379,374	-	- 3,742,232	...	- 3,742,232	11
122,028,530	24,775,110	-	153,564,282	...	153,564,282	12
146,734,803	28,497,183	6,514	182,906,204	...	182,906,204	13
92,803,180	24,275,792	-	119,101,495	...	119,101,495	14a
28,225,350	499,318	-	34,462,787	...	34,462,787	14b
122,028,530	24,775,110	-	153,564,282	...	153,564,282	15
876,489	-	-	17,417,972	...	17,417,972	16
-	-	-	-	2,968,411	2,968,411	17
295,336	8,684	-	304,789	...	304,789	17a
123,200,355	24,783,794	-	171,287,043	2,968,411	174,255,454	18
1,574,459	8,492,308	-	10,066,767	-	10,066,767	19
30,188,721	-	-	30,188,721	22,846	30,211,567	20
4,650,468	-	-	10,575,805	-	10,575,805	21
6,887,603	-	-	6,887,603	-	6,887,603	22
23,872,627	-	-	39,942,329	2,945,216	42,887,545	23
4,864,913	-	-	4,878,860	-	4,878,860	24
-	-	-	7,325	-	7,325	25
72,038,791	8,492,308	-	102,547,410	2,968,062	105,515,472	26
44,598,764	13,435,026	-	58,033,790	-	58,033,790	27
1,459,750	-	-	1,459,750	-	1,459,750	28
594,512	-	-	695,411	-	695,411	29
- 584,676	- 45,641	-	- 647,899	-	- 647,899	30
5,101,024	1,952,413	-	7,388,026	-	7,388,026	31
- 7,810	949,688	-	1,810,555	349	1,810,904	32
123,200,355	24,783,794	-	171,287,043	2,968,411	174,255,454	33

TABLE 4. Net new Production of Natural Gas by Month, by Province, January 1969.

Month	New Brunswick	Quebec	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	Mcf. at 14.73 p.s.i.a. and 60°F							
January	11,624	13,947	1,243,165	6,398,968	165,207,478	28,974,555	6,514	201,856,251
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Total year to date	11,624	13,947	1,243,165	6,398,968	165,207,478	28,974,555	6,514	201,856,251
Total January 1968	12,769	11,570	1,024,625	5,715,059	145,077,404	23,049,330	4,186	174,894,943

TABLE 5. Gas Processing Plant Production of Sulphur by Month, by Province, January 1969

Month	Saskatchewan	Alberta	British Columbia	Canada
	short tons			
January	342	327,032	6,668	334,042
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
Total year to date	342	327,032	6,668	334,042
Total January 1968	372	229,776	3,768	233,916

TABLE 6. Supply of Gas Processing Plant Propane, Butanes and Sulphur, January 1969.

	Propane	Butanes	Sulphur
	barrels		short tons
<u>Production</u>			
Saskatchewan	72,784	29,834	342
Alberta	1,446,864	914,577	327,032
British Columbia	41,529	49,485	6,668
Canada	1,561,177	993,896	334,042
<u>Returned to formation</u>			
Saskatchewan .....	...	...	...
Alberta	7,038	636	...
British Columbia .....	...	...	...
Canada	7,038	636	...
<u>Net withdrawals</u>			
Saskatchewan	72,784	29,834	...
Alberta	1,439,826	913,941	...
British Columbia	41,529	49,485	...
Canada	1,554,139	993,260	...

... Figures not appropriate or not applicable.

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