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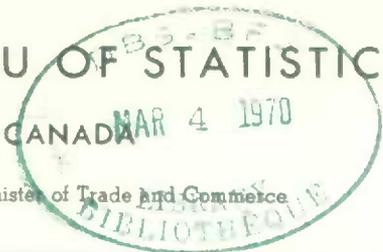
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CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

JULY 1969

The production of crude petroleum and equivalent hydrocarbons during July 1969 amounted to 38,394,437 barrels, or 1,238,530 barrels per day, an increase of 8.6 per cent or 98,508 barrels per day from July 1968. The production figures for all petroleum liquids for the two years are as follows:

	July 1968		July 1969	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensate	33.0	1,062,995	35.3	1,138,908
Pentanes plus	2.4	77,027	3.1	99,622
Propane and butanes	1.9	62,800	2.3	72,711
Totals	37.3	1,202,822	40.7	1,311,241

The disposition of Canadian crude and equivalent for July 1969 was 21.3 million barrels (55.5 per cent) to Canadian refineries, with 17.0 million barrels (44.1 per cent) being exported. The 0.4 per cent difference between supply and sales is accounted for by inventory changes, industry own use, etc. Imported crude petroleum for the same period amounted to 17.1 million barrels (552,010 barrels per day) bringing domestic requirements for crude petroleum and equivalent hydrocarbons to 38.4 million barrels (1,239,894 barrels per day).

Natural gas production increased 17.0 per cent to 157,217,038 Mcf. from 134,367,126 Mcf. in July 1968. The disposition of natural gas for July 1969 was as follows: 29.5 million Mcf. was net deliveries to storage and injection operations; 30.8 million was used, and accounted for in fields and processing plants; 51.8 million was exported; 18.0 million was sold to ultimate customers in the prairies; 16.4 million in Ontario; 4.3 million in British Columbia and 3.4 million in Quebec. The remaining 3.2 million Mcf. between production and disposition was accounted for by other deliveries, pipe line 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.

Table 2 shows Supply and Disposition of Crude Oil and Equivalent by Source. Disposition is given to the first stage of marketing, either directly as deliveries to refineries or export. The companion publication "Refined Petroleum Products", catalogue number 45-004, 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 pipe line are included in Table 2, while inventories held by refiners in a refinery complex are excluded. Details on the movement of crude oil by pipe line are given in another companion report "Oil Pipe Line 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

February 1970
6503-515

TABLE 1. Field and Plant Production of Liquid Hydrocarbons by Month, by Province, July 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	594	92,655	470,199	6,857,620	21,939,037	1,783,233	56,489	31,199,827
March	664	100,374	519,698	7,402,914	26,337,703	2,138,977	61,915	36,562,245
April	657	105,615	496,065	6,780,269	21,752,140	2,054,633	36,238	31,225,617
May	821	107,667	519,808	7,208,696	19,999,447	2,123,298	28,900	29,988,637
June	825	106,204	509,338	7,501,701	22,516,351	1,970,772	85,004	32,690,195
July	794	103,210	528,100	7,683,268	24,604,543	2,291,220	95,016	35,306,151
August								
September								
October								
November								
December								
<u>Pentanes plus</u>								
January	-	-	-	30,142	3,039,460	82,125	-	3,151,727
February	-	-	-	22,600	2,857,601	78,341	-	2,958,542
March	-	-	-	25,957	3,305,053	82,822	-	3,413,832
April	-	-	-	26,533	3,165,833	72,002	-	3,264,368
May	-	-	-	28,518	2,978,774	72,903	-	3,080,195
June	-	-	-	32,550	2,714,460	56,882	-	2,803,892
July	-	-	-	29,006	3,004,441	54,839	-	3,088,286
August								
September								
October								
November								
December								
<u>Propane</u>								
January	-	-	-	72,784	1,439,826	41,529	-	1,554,139
February	-	-	-	60,097	1,249,929	38,395	-	1,348,421
March	-	-	-	70,277	1,482,650	25,709	-	1,578,636
April	-	-	-	68,386	1,398,561	4,639	-	1,471,586
May	-	-	-	62,972	1,355,953	3,845	-	1,422,770
June	-	-	-	77,390	1,088,150	4,909	-	1,170,449
July	-	-	-	77,404	1,312,269	634	-	1,390,307
August								
September								
October								
November								
December								
<u>Butanes</u>								
January	-	-	-	29,834	913,941	49,485	-	993,260
February	-	-	-	24,846	771,517	48,456	-	844,819
March	-	-	-	26,901	862,203	33,972	-	923,076
April	-	-	-	27,347	802,868	26,732	-	856,947
May	-	-	-	25,008	791,536	28,526	-	845,070
June	-	-	-	29,383	653,764	24,280	-	707,427
July	-	-	-	31,363	811,913	20,472	-	863,748
August								
September								
October								
November								
December								
Total July 1969	794	103,210	528,100	7,821,041	29,733,166	2,367,165	95,016	40,648,492
Total year to date	4,943	711,157	3,566,440	51,924,882	196,363,106	15,180,926	445,519	268,196,973
Total July 1968	561	92,387	535,180	8,040,851	26,482,973	2,042,818	92,678	37,287,448

TABLE 1. Supply and Disposition of Crude Oil and Equivalent, by Source, Canada, July 1969

	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	794	103,210	528,100	7,683,268	23,819,600	2,287,251	95,016	34,517,239	...	34,517,239
Synthetic crude oil	-	-	-	-	1,373,882	-	-	1,373,882	...	1,373,882
Less returned to formation ...	-	-	-	-	649,041	-	-	649,041	...	649,041
Totals	794	103,210	528,100	7,683,268	24,544,441	2,287,251	95,016	35,242,080	...	35,242,080
Condensate	-	-	-	-	60,102	3,969	-	64,071	...	64,071
Pentanes plus	-	-	-	29,006	3,004,441	54,839	-	3,088,286	...	3,088,286
Net withdrawals	794	103,210	528,100	7,712,274	27,608,984	2,346,059	95,016	38,394,437	...	38,394,437
Imports .....	...	...	...	...	...	...	...	...	17,112,303	17,112,303
Total supply	794	103,210	528,100	7,712,274	27,608,984	2,346,059	95,016	38,394,437	17,112,303	55,506,740
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	3,693,240	3,693,240
Quebec	-	-	-	-	-	-	-	-	13,334,621	13,334,621
Ontario	-	103,210	493,960	4,254,202	6,088,937	-	-	10,940,309	84,264	11,024,573
Manitoba	-	-	16,394	650,357	642,564	-	-	1,309,315	-	1,309,315
Saskatchewan	-	-	-	212,802	1,951,434	-	-	2,164,236	-	2,164,236
Alberta	-	-	-	-	3,632,147	-	-	3,632,147	-	3,632,147
British Columbia	-	-	-	-	1,290,581	1,907,646	-	3,198,227	-	3,198,227
Northwest Territories	-	-	-	-	-	-	80,358	80,358	-	80,358
Totals	-	103,210	510,354	5,117,361	13,605,663	1,907,646	80,358	21,324,592	17,112,125	38,436,717
<u>Exports to U.S.A.</u>										
<u>Petroleum Administration</u>										
District I	-	-	-	81,010	2,284,777	-	-	2,365,787	-	2,365,787
II	-	-	-	2,378,767	4,374,983	-	-	6,753,750	-	6,753,750
IV	-	-	-	-	987,423	-	-	987,423	-	987,423
V	-	-	-	-	6,224,587	618,616	-	6,843,203	-	6,843,203
Totals	-	-	-	2,459,777	13,871,770	618,616	-	16,950,163	-	16,950,163
<u>Inventories</u>										
Opening - Field and plant	3,060	-	73,150	393,042	1,840,413	- 45,114	37,972	2,302,523	-	2,302,523
Transporters'	-	-	133,748	5,350,422	27,095,567	1,485,988	-	34,065,725	359,835	34,425,560
Closing - Field and plant	2,851	-	68,302	397,199	1,804,591	- 34,095	52,630	2,291,478	-	2,291,478
Transporters'	-	-	156,348	5,525,508	27,116,412	1,383,548	-	34,181,816	359,835	34,541,651
Net change	- 209	-	17,752	179,243	- 14,977	- 91,421	14,658	105,046	-	105,046
Deliveries to other purchasers	918	-	-	-	7,208	150	-	8,276	-	8,276
Pipeline fuel	-	-	-	-	15,293	-	-	15,293	-	15,293
Field and plant use	-	-	-	4,291	71,134	-	-	75,425	-	75,425
Losses and adjustments	85	-	- 6	- 48,398	52,893	- 88,932	-	- 84,358	178	- 84,180
Total disposition	794	103,210	528,100	7,712,274	27,608,984	2,346,059	95,016	38,394,437	17,112,303	55,506,740

... Figures not appropriate or not applicable.

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

No.		New Brunswick	Quebec	Ontario	Saskatchewan	
				Mcf.		
	<u>A. FIELD AND PROCESSING PLANTS</u>					
	<u>Supply</u>					
1	Gross new production	6,955	6,804	620,133	3,495,575	
2	Less field flared and waste	-	-	-	943,010	
3	Net new production (1 - 2)	6,955	6,804	620,133	2,552,565	
4	Reproduced	-	-	-	-	
5	Less injected and stored	-	-	-	-	
6	Net withdrawals	6,955	6,804	620,133	2,552,565	
	<u>Disposition</u>					
7	Field disposition and uses	192	-	-	297,793	
8	Gathering system disposition and uses	-	-	-	32,563	
9	Processing plant disposition and uses:					
9a	Processing shrinkage	-	-	-	194,212	
9b	Other disposition and uses	-	-	-	207,461	
10	Other uses	-	-	-	56,277	
11	Adjustment	-	-	-	43,556	
12	Deliveries of marketable gas	6,763	6,804	620,133	1,720,703	
13	Total disposition	6,955	6,804	620,133	2,552,565	
	<u>B. GAS UTILITIES</u>					
	<u>Supply</u>					
14	<u>Receipts of marketable gas</u>					
14a	Plants	-	-	-	1,153,703	
14b	Fields	6,763	6,804	620,133	560,997	
15	Total (14a + 14b)	6,763	6,804	620,133	1,720,703	
16	Receipts from distributor storage	-	-	1,041,864	84,141	
17	Imports	-	-	-	-	
17a	Other receipts(1)	-	-	-	-	
18	Total supply of marketable gas (15 + 16 + 17 + 17a)	6,763	6,804	1,661,997	1,804,844	
	<u>Disposition</u>					
	<u>Sales</u>					
19	British Columbia	-	-	-	-	
20	Alberta	-	-	-	-	
21	Saskatchewan	-	-	-	802,544	
22	Manitoba	-	-	-	-	
23	Ontario	-	-	1,794,705	-	
24	Quebec	-	6,804	-	-	
25	New Brunswick	3,687	-	-	-	
26	Total sales (19 to 25 inclusive)	3,687	6,804	1,794,705	802,544	
27	Exports	-	-	-	-	
28	Other deliveries(2)	-	-	-	-	
29	Delivered to distributor storage	-	-	-	505,866	
30	Pipeline line pack fluctuation	-	-	-	115,785	
31	Pipeline fuel	-	-	22,596	540,914	
32	Pipeline losses etc.	3,076	-	155,304	71,305	
33	Total disposition of marketable gas (26 to 32 inclusive)	6,763	6,804	1,661,997	1,804,844	

(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, July 1969

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
141,277,605	18,908,550	50,515	164,366,137	...	164,366,137	1
5,113,233	1,043,172	49,684	7,149,099	...	7,149,099	2
136,164,372	17,865,378	831	157,217,038	...	157,217,038	3
-	-	-	-	...	-	4
21,752,902	788,492	-	22,541,394	...	22,541,394	5
114,411,470	17,076,886	831	134,675,644	...	134,675,644	6
403,652	378,472	-	1,080,109	...	1,080,109	7
- 113,551	286	-	- 80,702	...	- 80,702	8
18,954,792	-	-	19,149,004	...	19,149,004	9a
6,821,095	400,327	-	7,428,883	...	7,428,883	9b
83,336	1,947,813	831	2,088,257	...	2,088,257	10
821,027	94,568	-	959,151	...	959,151	11
87,441,119	14,255,420	-	104,050,942	...	104,050,942	12
114,411,470	17,076,886	831	134,675,644	...	134,675,644	13
86,739,303	13,779,777	-	89,678,686	...	89,678,686	14a
12,701,916	475,643	-	14,372,256	...	14,372,256	14b
87,441,119	14,255,420	-	104,050,942	...	104,050,942	15
14,739	-	-	1,140,744	...	1,140,744	16
-	-	-	-	1,814,681	1,814,681	17
3,733	20	-	3,753	-	3,753	17a
87,459,591	14,255,440	-	105,195,439	1,814,681	107,010,120	18
646,360	3,635,249	-	4,281,609	-	4,281,609	19
12,154,328	-	-	12,154,328	2,505	12,156,833	20
2,970,433	-	-	3,772,977	-	3,772,977	21
2,088,238	-	-	2,088,238	-	2,088,238	22
14,653,210	-	-	16,447,915	1,812,015	18,259,930	23
3,365,762	-	-	3,372,566	-	3,372,566	24
-	-	-	3,687	-	3,687	25
35,878,331	3,635,249	-	42,121,320	1,814,520	43,935,840	26
41,491,359	10,356,113	-	51,847,472	-	51,847,472	27
143,241	-	-	143,241	-	143,241	28
7,636,720	-	-	8,142,586	-	8,142,586	29
- 537,720	36,526	-	- 616,979	-	- 616,979	30
2,295,155	214,371	-	3,073,036	-	3,073,036	31
552,505	13,181	-	484,763	161	484,924	32
87,459,591	14,255,440	-	105,195,439	1,814,681	107,010,120	33

TABLE 4. Net new Production of Natural Gas by Month, by Province, July 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	10,840	12,608	1,019,257	5,373,787	150,633,358	27,125,983	5,875	184,181,708
March	10,658	13,449	1,070,363	5,098,121	163,846,372	28,858,227	4,954	198,902,144
April	8,903	11,680	1,033,390	4,632,948	152,369,220	27,369,765	3,658	185,429,564
May	8,616	9,183	876,919	4,334,991	137,599,254	23,879,154	3,139	166,711,256
June	7,450	8,396	747,314	3,993,240	123,635,144	20,799,878	2,521	149,193,943
July	6,955	6,804	620,133	2,552,565	136,164,372	17,865,378	831	157,217,038
August								
September								
October								
November								
December								
Total year to date	65,046	76,067	6,610,541	32,384,620	1,029,455,198	174,872,940	27,492	1,243,491,904
Total July 1968	7,208	6,985	805,146	3,719,567	111,897,504	17,930,216	500	134,367,126

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

Month	Saskatchewan	Alberta	British Columbia	Canada
short tons				
January	342	327,032	6,668	334,042
February	260	302,298	5,873	308,431
March	302	353,114	6,605	360,021
April	312	341,944	5,699	347,955
May	228	333,187	4,480	337,895
June	286	315,445	3,711	319,442
July	337	356,192	3,798	360,327
August				
September				
October				
November				
December				
Total year to date	2,067	2,329,212	36,834	2,368,113
Total July 1968	358	276,879	4,888	282,125

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

	Propane	Butanes	Sulphur
	barrels		short tons
<u>Production</u>			
Saskatchewan	77,404	31,363	337
Alberta	1,326,056	856,470	356,192
British Columbia	634	20,472	3,798
Canada	1,404,094	908,305	360,327
<u>Returned to formation</u>			
Saskatchewan .....	...	...	...
Alberta	13,787	44,557	...
British Columbia .....	...	...	...
Canada	13,787	44,557	...
<u>Net withdrawals</u>			
Saskatchewan	77,404	31,363	...
Alberta	1,312,269	811,913	...
British Columbia	634	20,472	...
Canada	1,390,307	863,748	...

... Figures not appropriate or not applicable.

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