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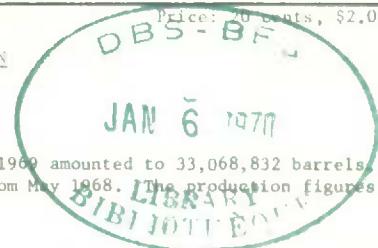
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CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

MAY 1969



The production of crude petroleum and equivalent hydrocarbons during May 1969 amounted to 33,068,832 barrels or 1,066,737 barrels per day, an increase of 3.5 per cent or 36,347 barrels per day from May 1968. The production figures for all petroleum liquids for the two years are as follows:

	May 1968		May 1969	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensate	29.5	951,072	30.0	967,375
Pentanes plus	2.5	79,317	3.1	99,361
Propane and butanes	2.1	67,637	2.3	73,156
Totals	34.1	1,098,026	35.4	1,139,892

The disposition of Canadian crude and equivalent for May 1969 was 18.3 million barrels (55.3 per cent) to Canadian refineries and 15.5 (46.7 per cent) was exported. The 2.0 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 12.5 million barrels (402,104 barrels per day) bringing domestic requirements for crude petroleum and equivalent hydrocarbons to 30.8 million barrels (992,131 barrels per day).

Natural gas production increased 15.3 per cent to 166,768,834 Mcf. from 144,601,709 Mcf. in May 1968. The disposition of natural gas for May 1969 is as follows: 23.5 million Mcf. was net deliveries to storage and injection operations; 28.7 million was used, and accounted for in fields and processing plants; 55.6 million was exported; 23.1 million was sold to ultimate customers in the prairies; 22.5 million in Ontario; 6.1 million in British Columbia and 4.2 million in Quebec. The remaining 3.1 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 45-005, 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

November 1969
6503-515

TABLE 1. Field and Plant Production of Liquid Hydrocarbons by Month, by Province, May 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								
July								
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								
July								
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								
July								
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								
July								
August								
September								
October								
November								
December								
Total May 1969	821	107,667	519,808	7,325,194	25,125,710	2,228,572	28,900	35,336,672
Total year to date	3,324	501,743	2,529,002	36,462,817	139,657,215	10,756,918	265,499	190,176,518
Total May 1968	711	88,428	526,223	7,034,082	24,445,550	1,924,826	18,989	34,038,809

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

	New Brunswick	Ontario	Manitoba	Saskat-chewan	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	821	107,667	519,808	7,208,696	19,847,795	2,117,459	29,245	29,831,491	...	29,831,491
Synthetic crude oil	-	-	-	-	462,746	-	-	462,746	...	462,746
Less returned to formation	-	-	-	-	369,481	-	345	369,826	...	369,826
Totals	821	107,667	519,808	7,208,696	19,941,060	2,117,459	28,900	29,924,411	...	29,924,411
Condensate	-	-	-	-	58,387	5,839	-	64,226	...	64,226
Pentanes plus	-	-	-	28,518	2,978,774	72,903	-	3,080,195	...	3,080,195
Net withdrawals	821	107,667	519,808	7,237,214	22,978,221	2,196,201	28,900	33,068,832	...	33,068,832
Imports .....	...	...	...	...	...	...	...	...	12,465,210	12,465,210
Total supply	821	107,667	519,808	7,237,214	22,978,221	2,196,201	28,900	33,068,832	12,465,210	45,534,042
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	3,449,377	3,449,377
Quebec	-	-	-	-	-	-	-	-	9,014,120	9,014,120
Ontario	-	107,667	223,132	4,105,937	4,182,211	-	-	8,618,947	-	8,618,947
Manitoba	-	-	16,134	511,003	464,256	-	-	991,393	-	991,393
Saskatchewan	-	-	-	158,764	1,610,592	-	-	1,769,356	-	1,769,356
Alberta	-	-	-	-	3,337,566	-	-	3,337,566	-	3,337,566
British Columbia	-	-	-	-	1,520,090	1,978,209	-	3,498,299	-	3,498,299
Northwest Territories	-	-	-	-	-	-	77,010	77,010	-	77,010
Totals	-	107,667	239,266	4,775,704	11,114,715	1,978,209	77,010	18,292,571	12,463,497	30,756,068
<u>Exports to U.S.A.</u>										
<u>Petroleum Administration</u>										
District I	-	-	-	107,071	1,815,515	-	-	1,922,586	-	1,922,586
II	-	-	200,532	2,214,914	4,114,364	-	-	6,529,810	-	6,529,810
IV	-	-	-	-	927,916	-	-	927,916	-	927,916
V	-	-	-	-	5,777,521	300,006	-	6,077,527	-	6,077,527
Totals	-	-	200,532	2,321,985	12,635,316	300,006	-	15,457,839	-	15,457,839
<u>Inventories</u>										
Opening - Field and plant	3,136	-	73,503	429,135	1,701,380	- 18,144	72,608	2,261,618	-	2,261,618
Transporters'	-	-	54,008	5,250,413	27,386,034	1,364,817	-	34,055,272	359,835	34,415,107
Closing - Field and plant	3,084	-	70,242	417,296	1,817,724	- 12,639	24,498	2,320,205	-	2,320,205
Transporters'	-	-	136,612	5,340,676	26,659,575	1,320,013	-	33,456,876	359,835	33,816,711
Net change	- 52	-	79,343	78,424	- 610,115	- 39,299	- 48,110	- 539,809	-	- 539,809
<u>Deliveries to other purchasers</u>										
Pipeline fuel	966	-	-	-	- 3,101	150	-	- 1,985	-	- 1,985
Field and plant use	-	-	-	-	9,628	-	-	9,628	-	9,628
Losses and adjustments	6	-	-	11,299	61,544	-	-	72,849	-	72,849
Total disposition	- 99	-	667	49,802	- 229,766	- 42,865	-	- 222,261	1,713	- 220,548
	821	107,667	519,808	7,237,214	22,978,221	2,196,201	28,900	33,068,832	12,465,210	45,534,042

... Figures not appropriate or not applicable.

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, May 1969

No.		New Brunswick	Quebec	Ontario	British Columbia
					Mcf.
<u>A. FIELD AND PROCESSING PLANTS</u>					
<u>Supply</u>					
1	Gross new production	8,616	9,183	934,497	5,274,573
2	Less field flared and waste	-	-	-	939,582
3	Net new production (1 - 2)	8,616	9,183	934,497	4,334,991
4	Reproduced	-	-	-	-
5	Less injected and stored	-	-	-	974
6	Net withdrawals	8,616	9,183	934,497	4,334,017
<u>Disposition</u>					
7	Field disposition and uses	209	-	-	347,874
8	Gathering system disposition and uses	-	-	-	82,212
9	Processing plant disposition and uses:				
9a	Processing shrinkage	-	-	-	171,284
9b	Other disposition and uses	-	-	-	217,954
10	Other uses	-	-	-	65,919
11	Adjustment	-	-	-	1,320
12	Deliveries of marketable gas	8,407	9,183	934,497	3,447,454
13	Total disposition	8,616	9,183	934,497	4,334,017
<u>B. GAS UTILITIES</u>					
<u>Supply</u>					
14	Receipts of marketable gas				
14a	Plants	-	-	-	1,562,715
14b	Fields	8,407	9,183	934,497	1,764,739
15	Total (14a + 14b)	8,407	9,183	934,497	3,447,454
16	Receipts from distributor storage	-	-	3,315,953	23,228
17	Imports	-	-	-	-
17a	Other receipts(1)	-	-	-	-
18	Total supply of marketable gas (15 + 16 + 17 + 17a)	8,407	9,183	4,250,450	3,470,682
<u>Disposition</u>					
<u>Sales</u>					
19	British Columbia	-	-	-	-
20	Alberta	-	-	-	-
21	Saskatchewan	-	-	-	3,205,287
22	Manitoba	-	-	-	-
23	Ontario	-	-	4,561,992	-
24	Quebec	-	9,183	-	-
25	New Brunswick	4,617	-	-	-
26	Total sales (19 to 25 inclusive)	4,617	9,183	4,561,992	3,205,287
27	Exports	-	-	-	-
28	Other deliveries(2)	-	-	-	-
29	Delivered to distributor storage	-	-	-	935,882
30	Pipeline line pack fluctuation	-	-	-	7,533
31	Pipeline fuel	-	-	33,879	156,139
32	Pipeline losses etc.	3,790	-	- 345,421	- 834,159
33	Total disposition of marketable gas (26 to 32 inclusive)	8,407	9,183	4,250,450	3,470,682

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

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

TABLE 2. Supply and Disposition of Natural Gas by Source, Canada, May 1969

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
141,791,463 4,192,209	24,856,706 977,552	33,644 30,505	172,908,682 6,139,848	... ...	172,908,682 6,139,848	1 2
137,599,254	23,879,154	3,139	166,768,834	...	166,768,834	3
20,527,819	670,506	- -	21,199,299	... ...	21,199,299	4 5
117,071,435	23,208,648	3,139	145,569,535	...	145,569,535	6
590,918 - 289,617	608,499 -	- -	1,547,500 - 207,405	... ...	1,547,500 - 207,405	7 8
18,298,900 5,924,614 119,481 - 27,396 92,454,535	439,838 3,576,732 - - 1,453,142 20,036,721	- - 3,139 -	18,910,022 9,719,300 188,539 - 1,479,218 116,890,797	... ... ... ... ...	18,910,022 9,719,300 188,539 - 1,479,218 116,890,797	9a 9b 10 11 12
117,071,435	23,208,648	3,139	145,569,535	...	145,569,535	13
77,989,185 34,465,350	19,941,740 94,981	- -	99,613,640 17,277,157	... ...	99,613,640 17,277,157	14a 14b
92,454,535	20,036,721	-	116,890,797	...	116,890,797	15
25,902 - 9,040	- - 48	- -	3,365,083 - 9,088	... 4,101,579 -	3,365,083 4,101,579 9,088	16 17 17a
92,489,477	20,036,769	-	120,264,968	4,101,579	124,366,547	18
731,417 14,740,603 2,110,442 3,079,045 17,890,124 4,142,035 -	5,379,162 - - - - - -	- - - - - - -	6,110,579 14,740,603 5,315,729 3,079,045 22,452,116 4,151,218 4,617	- 5,180 - - 4,096,451 - -	6,110,579 14,745,783 5,315,729 3,079,045 26,548,567 4,151,218 4,617	19 20 21 22 23 24 25
42,693,666	5,379,162	-	55,853,907	4,101,631	59,955,538	26
41,777,427 291,506 4,681,565 - 137,053 3,720,661 - 538,295	13,862,940 - - 4,683 1,036,530 - 246,546	- - - - - -	55,640,367 291,506 5,617,447 - 124,837 4,947,209 - 1,960,631	- - - - - - 52	55,640,367 291,506 5,617,447 - 124,837 4,947,209 - 1,960,683	27 28 29 30 31 32
92,489,477	20,036,769	-	120,264,968	4,101,579	124,366,547	33

TABLE 4. Net new Production of Natural Gas by Month, by Province, May 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	934,497	4,334,991	137,599,254	23,879,154	3,139	166,768,834
June								
July								
August								
September								
October								
November								
December								
Total year to date	50,641	60,867	5,300,672	25,838,815	769,655,682	136,207,684	24,140	937,138,501
Total May 1968	8,455	16,609	913,713	4,706,753	118,539,605	20,412,888	3,686	144,601,709

TABLE 5. Gas Processing Plant Production of Sulphur by Month, by Province, May 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				
July				
August				
September				
October				
November				
December				
Total year to date	1,444	1,657,575	29,325	1,688,344
Total May 1968	351	254,608	1,817	256,776

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

	Propane	Butanes	Sulphur
barrels		short tons	
<u>Production</u>			
Saskatchewan	62,972	25,008	228
Alberta	1,364,064	851,915	333,187
British Columbia	3,845	28,526	4,480
Canada	1,430,881	905,449	337,895
<u>Returned to formation</u>			
Saskatchewan .....	...	...	...
Alberta	8,111	60,379	...
British Columbia .....	...	...	...
Canada	8,111	60,379	...
<u>Net withdrawals</u>			
Saskatchewan	62,972	25,008	...
Alberta	1,355,953	791,536	...
British Columbia	3,845	28,526	...
Canada	1,422,770	845,070	...

... Figures not appropriate or not applicable.

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