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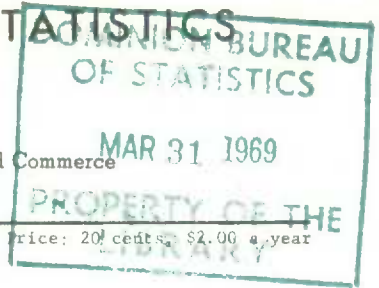
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CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

MAY 1968

The production of crude petroleum and equivalent hydrocarbons during May 1968 amounted to 31,713,276 barrels, 1,023,009 barrels/day, an increase of 1.1 per cent or 11,450 barrels per day from May 1967. The production figures for all petroleum liquids for the two years are as follow:

	May 1967		May 1968	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensate	28.9	931,572	29.3	943,692
Pentanes plus	2.5	79,987	2.5	79,317
Propane and butanes	1.8	58,225	2.1	68,191
Totals	33.2	1,069,784	33.9	1,091,200

The disposition of crude and equivalent for May 1968 was 19.6 million barrels (61.9 per cent) to Canadian refineries and 12.4 million barrels (39.2 per cent) was exported. The difference of 1.1 per cent between supply and sales is accounted for by inventory changes, industry own use, etc. Imported crude petroleum for the same period amounted to 13.2 million barrels (426,756 barrels/day) bringing domestic requirements for crude petroleum and equivalent hydrocarbons to 32.9 million barrels (1,060,288 barrels/day).

Natural gas production increased 5.3 per cent to 145,467,567 Mcf. from 138,075,992 Mcf. in May 1967. The disposition of natural gas for May 1968 is as follows: 19.8 million was net deliveries to storage and injection operations; 26.4 million was used, lost or unaccounted for in fields and processing plants and 48.0 million was exported; 24.5 million was sold to ultimate customers in the prairies; 15.7 million in Ontario; 6.8 million in British Columbia and 3.4 million in Quebec. The remaining 0.9 million Mcf. was accounted for by other deliveries, pipeline fuel losses and line pack fluctuations.

Table 1 includes all crude oil and equivalent hydrocarbon production of condensates and pentanes plus, propane and butane production. Pentanes plus represent the production of crude oil equivalent at processing plants while oil production is production in the fields.

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 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; however, 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

April 1969
5503-515

TABLE 1. Field and Plant Production of Liquid Hydrocarbons by Month, by Province May 1968

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
barrels of 35 Canadian gallons								
<u>Crude oil and condensate</u>								
January	668	101,554	489,030	7,686,615	20,435,025	1,755,611	79,213	30,547,716
February	658	102,588	470,605	7,168,671	20,630,720	1,700,136	56,864	30,130,242
March	721	108,845	521,652	7,535,524	21,799,631	1,830,462	79,490	31,876,325
April	638	101,371	511,806	7,099,325	19,757,063	1,574,233	46,392	29,090,828
May	711	88,428	526,223	6,884,419	19,949,317	1,786,369	18,989	29,254,456
June								
July								
August								
September								
October								
November								
December								
<u>Pentanes plus</u>								
January	-	-	-	22,162	2,653,132	90,518	-	2,765,812
February	-	-	-	24,802	2,652,132	95,568	-	2,772,502
March	-	-	-	24,028	2,829,850	83,882	-	2,937,760
April	-	-	-	25,541	2,628,026	77,006	-	2,730,573
May	-	-	-	29,708	2,353,102	76,010	-	2,458,820
June								
July								
August								
September								
October								
November								
December								
<u>Propane</u>								
January	-	-	-	76,117	1,302,087	35,307	-	1,413,511
February	-	-	-	77,901	1,233,653	35,669	-	1,347,223
March	-	-	-	76,284	1,267,136	35,807	-	1,379,227
April	-	-	-	77,614	1,174,307	24,856	-	1,276,777
May	-	-	-	82,625	1,159,781	26,641	-	1,269,047
June								
July								
August								
September								
October								
November								
December								
<u>Butanes</u>								
January	-	-	-	31,042	861,803	46,454	-	939,299
February	-	-	-	30,464	805,398	42,605	-	878,467
March	-	-	-	32,484	818,549	45,836	-	896,869
April	-	-	-	34,056	753,343	39,741	-	827,140
May	-	-	-	37,330	771,727	35,806	-	844,863
June								
July								
August								
September								
October								
November								
December								
Total May 1968	711	88,428	526,223	7,034,082	24,233,927	1,924,826	18,989	33,827,186
Total year to date	3,396	502,786	2,519,316	37,056,712	125,835,782	9,438,517	280,948	175,637,457
Total May 1967	731	116,491	466,205	7,851,141	22,888,208	1,811,891	28,624	33,163,291

TABLE 1. Supply and Disposition of Crude Oil and Equivalent, by Source, Canada May 1968

	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	711	88,428	526,223	6,884,419	21,105,370	1,782,975	27,071	30,415,197	...	30,415,197
Less returned to formation	-	-	-	-	1,202,192	-	8,082	1,210,274	...	1,210,274
Condensate	-	-	-	-	46,139	3,394	-	49,533	...	49,533
Pentanes plus	-	-	-	29,708	2,353,102	76,010	-	2,458,820	...	2,458,820
Net withdrawals	711	88,428	526,223	6,914,127	22,302,419	1,862,379	18,989	31,713,276	...	31,713,276
Imports .....	...	...	...	...	...	...	...	...	13,230,187	13,230,187
Total supply	711	88,428	526,223	6,914,127	22,302,419	1,862,379	18,989	31,713,276	13,230,187	44,943,463
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	2,512,859	2,512,859
Quebec	-	-	-	-	-	-	-	-	10,628,082	10,628,082
Ontario	-	88,491	232,719	4,111,641	5,445,004	-	-	9,877,855	88,497	9,966,352
Manitoba	-	-	16,043	642,180	473,338	-	-	1,131,561	-	1,131,561
Saskatchewan	-	-	-	290,166	1,826,001	-	-	2,116,167	-	2,116,167
Alberta	-	-	-	87,014	3,068,172	-	-	3,155,186	-	3,155,186
British Columbia	-	-	-	-	1,708,132	1,605,817	-	3,313,949	-	3,313,949
Northwest Territories	-	-	-	-	-	-	44,769	44,769	-	44,769
Totals	-	88,491	248,762	5,131,001	12,520,647	1,605,817	44,769	19,639,487	13,229,438	32,868,925
<u>Exports to U.S.A.</u>										
Petroleum Administration:										
District I	-	-	-	16,856	1,869,753	-	-	1,886,609	-	1,886,609
II and III	-	-	224,719	1,292,384	4,269,364	-	-	5,786,467	-	5,786,467
IV	-	-	-	-	761,768	-	-	761,768	-	761,768
V	-	-	-	-	3,751,194	255,210	-	4,006,404	-	4,006,404
Totals	-	-	224,719	1,309,240	10,652,079	255,210	-	12,441,248	-	12,441,248
<u>Inventories</u>										
Opening - Field and plant	8,523	-	77,369	428,490	1,533,340	- 9,304	80,819	2,119,237	-	2,119,237
Transporters'	-	-	49,074	4,831,022	22,372,349	1,448,930	-	28,701,375	359,835	29,061,210
Closing - Field and plant	8,471	-	72,676	447,736	1,510,539	- 29,702	55,039	2,064,759	-	2,064,759
Transporters'	-	-	105,588	5,228,348	21,813,272	1,498,035	-	28,645,243	359,835	29,005,078
Net change	- 52	-	51,821	416,572	- 581,878	28,707	- 25,780	- 110,610	-	- 110,610
Deliveries to other purchasers	873	-	-	1,294	5,044	350	-	7,561	-	7,561
Pipeline fuel	-	-	-	-	13,914	-	-	13,914	-	13,914
Field and plant use	-	-	-	4,285	26,491	-	-	30,776	-	30,776
Losses and adjustments	- 110	- 63	921	51,735	- 333,878	- 27,705	-	- 309,100	749	- 308,351
Total disposition	711	88,428	526,223	6,914,127	22,302,419	1,862,379	18,989	31,713,276	13,230,187	44,943,463

... Figures not appropriate or not applicable.

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, May 1968

No.		New Brunswick and Quebec	Ontario	Saskatchewan
		Mcf.		
	<u>A. FIELD AND PROCESSING PLANTS</u>			
	<u>Supply</u>			
1	Gross new production	25,064	913,713	5,624,576
2	Less field flared and waste	-	-	917,823
3	Net new production (1 - 2)	25,064	913,713	4,706,753
4	Reproduced	-	-	-
5	Less injected and stored	-	-	5,930
6	Net withdrawals	25,064	913,713	4,700,823
	<u>Disposition</u>			
7	Field disposition and uses	165	-	318,499
8	Gathering system disposition and uses	-	-	47,920
9	Processing plant disposition and uses:			
9a	Processing shrinkage	-	-	226,108
9b	Other disposition and uses	-	-	181,150
10	Other uses	-	-	91,628
11	Adjustment	-	-	- 27,749
12	Deliveries of marketable gas	24,899	913,713	3,863,267
13	Total disposition	25,064	913,713	4,700,823
	<u>B. GAS UTILITIES</u>			
	<u>Supply</u>			
14	Receipts of marketable gas			
14a	Plants	-	-	-
14b	Fields	24,899	913,713	3,863,267
15	Total (14a + 14b)	24,899	913,713	3,863,267
16	Receipts from distributor storage	-	432,378	1,482
17	Other receipts	-	-	-
18	Total supply of marketable gas (15 + 16 + 17)	24,899	1,346,091	3,864,749
	<u>Disposition</u>			
	<u>Sales</u>			
19	British Columbia	-	-	-
20	Alberta	-	-	-
21	Saskatchewan	-	-	4,528,510
22	Manitoba	-	-	-
23	Ontario	-	1,531,858	-
24	Quebec	16,609	-	-
25	New Brunswick	5,250	-	-
26	Total sales (19 to 25 inclusive)	21,859	1,531,858	4,528,510
27	Exports	-	-	-
28	Other deliveries(1)	-	-	-
29	Delivered to distributor storage	-	-	378,716
30	Pipeline line pack fluctuation	-	-	- 28,174
31	Pipeline fuel	-	24,826	130,371
32	Pipeline losses etc.	3,040	- 210,593	- 1,144,674
33	Total disposition of marketable gas (26 to 32 inclusive)	24,899	1,346,091	3,864,749

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

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, May 1968

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
122,939,703	22,008,438	22,714	151,534,208	...	151,534,208	1
4,222,675	907,115	19,028	6,066,641	...	6,066,641	2
118,717,028	21,101,323	3,686	145,467,567	...	145,467,567	3
-	-	-	-	...	-	4
14,197,647	687,830	-	14,891,407	...	14,891,407	5
104,519,381	20,413,493	3,686	130,576,160	...	130,576,160	6
1,165,133	308,993	-	1,792,790	...	1,792,790	7
497,908	-	-	545,828	...	545,828	8
14,703,655	323,409	-	15,253,172	...	15,253,172	9a
6,036,363	1,649,414	-	7,866,927	...	7,866,927	9b
68,958	-	3,686	164,272	...	164,272	10
- 391,364	1,187,413	-	768,300	...	768,300	11
82,438,728	16,944,264	-	104,184,871	...	104,184,871	12
104,519,381	20,413,493	3,686	130,576,160	...	130,576,160	13
71,186,848	16,676,201	-	87,863,049	...	87,863,049	14a
11,251,880	268,063	-	16,321,822	...	16,321,822	14b
82,438,728	16,944,264	-	104,184,871	...	104,184,871	15
29,372	-	-	463,232	...	463,232	16
8,797	1,016	-	9,813	7,772,695	7,782,508	17
82,476,897	16,945,280	-	104,657,916	7,772,695	112,430,611	18
862,820	5,940,192	-	6,803,012	-	6,803,012	19
14,719,771	-	-	14,719,771	5,736	14,725,507	20
1,809,360	-	-	6,337,870	-	6,337,870	21
3,402,483	-	-	3,402,483	-	3,402,483	22
14,143,642	-	-	15,675,500	7,766,833	23,442,333	23
3,337,116	-	-	3,353,725	-	3,353,725	24
-	-	-	5,250	-	5,250	25
38,275,192	5,940,192	-	50,297,611	7,772,569	58,070,180	26
37,516,431	10,478,539	-	47,994,970	-	47,994,970	27
48,811	-	-	48,811	-	48,811	28
5,004,412	-	-	5,383,128	-	5,383,128	29
- 109,942	41,390	-	- 96,726	-	- 96,726	30
4,123,861	599,068	-	4,878,126	-	4,878,126	31
- 2,381,868	- 113,909	-	- 3,848,004	126	- 3,847,878	32
82,476,897	16,945,280	-	104,657,916	7,772,695	112,430,611	33

TABLE 4. Net new Production of Natural Gas by Month, by Province, May 1968

Month	New Brunswick and Quebec	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
Mcf. at 14.73 p.s.i.a. and 60°F							
January	24,339	1,024,625	5,715,059	146,472,605	23,049,330	4,186	176,290,144
February	27,754	1,208,009	5,325,851	129,734,135	22,236,721	3,177	158,535,647
March	26,679	1,417,322	5,391,872	152,367,747	23,270,779	4,309	182,478,708
April	19,358	1,025,161	4,755,450	126,466,383	21,658,518	3,546	153,928,416
May	25,064	913,713	4,706,753	118,717,028	21,101,323	3,686	145,467,567
June							
July							
August							
September							
October							
November							
December							
Total year to date	123,194	5,588,830	25,894,985	673,757,898	111,316,671	18,904	816,700,482
Total May 1967	10,385	1,091,240	3,444,643	95,186,557	18,353,040	3,870	118,089,735

TABLE 5. Gas Processing Plant Production of Sulphur by Month, by Province, May 1968

Month	Saskatchewan	Alberta	British Columbia	Canada
short tons				
January	372	229,776	3,768	233,916
February	360	255,632	3,820	259,812
March	355	301,993	3,715	306,063
April	400	266,072	4,012	270,484
May	351	253,432	1,817	255,600
June				
July				
August				
September				
October				
November				
December				
Total year to date	1,838	1,306,905	17,132	1,325,875
Total May 1967	373	216,234	3,046	219,653

TABLE 6. Supply of Gas Processing Plant Propane, Butanes and Sulphur, May 1968

	Propane	Butanes	Sulphur
	barrels		short tons
<u>Production</u>			
Saskatchewan	82,625	37,330	351
Alberta	1,159,781	771,727	253,432
British Columbia	26,641	35,806	1,817
Canada	1,269,047	844,863	255,600
<u>Returned to formation</u>			
Saskatchewan .....	...	...	...
Alberta .....	...	...	...
British Columbia .....	...	...	...
Canada .....	...	...	...
<u>Net withdrawals</u>			
Saskatchewan	82,625	37,330	...
Alberta	1,159,781	771,727	...
British Columbia	26,641	35,806	...
Canada	1,269,047	844,863	...

... Figures not appropriate or not applicable.

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