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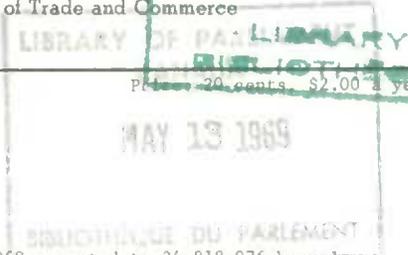
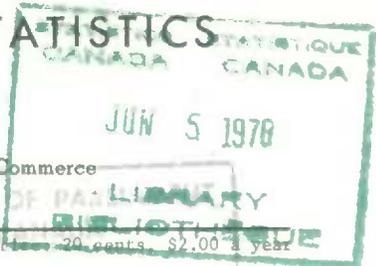
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MONTHLY

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CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

JULY 1968

The production of crude petroleum and equivalent hydrocarbons during July 1968 amounted to 34,818,076 barrels, 1,123,164 barrels/day, an increase of 1.3 per cent or 14,156 barrels per day from July 1967. The production figures for all petroleum liquids for the two years are as follows:

	July 1967		July 1968	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensates	32.0	1,030,791	32.4	1,046,140
Pentanes plus	2.4	78,217	2.4	77,027
Propane and butanes	1.8	58,940	2.0	64,841
Totals	36.2	1,167,948	36.8	1,188,008

The disposition of crude and equivalent for July 1968 was 19.8 million barrels (56.9 per cent) to Canadian refineries and 15.8 million barrels (45.5 per cent) was exported. The difference of 2.4 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 16.4 million barrels (528,236 barrels/day) bringing domestic requirements for crude petroleum and equivalent hydrocarbons to 36.2 million barrels (1,167,898 barrels/day).

Natural gas production increased 9.7 per cent to 133,889,621 Mcf. from 122,091,237 Mcf. in July 1967. The disposition of natural gas for July 1968 is as follows: 27.0 million was net deliveries to storage and injection operations; 24.7 million was used, lost or unaccounted for in fields and processing plants and 46.4 million was exported; 16.5 million was sold to ultimate customers in the prairies, 6.9 million in Ontario, 5.2 in British Columbia and 2.9 million in Quebec. The remaining 4.3 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 exports. 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, 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. and 60°F.

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

Manufacturing and Primary Industries Division

April 1969
6503-515

TABLE 1. Field and Plant Production of Liquid Hydrocarbons by Month, by Province July 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	611	87,199	519,115	7,871,743	18,944,748	1,830,876	57,128	29,311,420
July	561	92,387	535,180	7,899,344	21,905,108	1,904,977	92,678	32,430,235
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	-	-	-	30,036	2,285,833	71,376	-	2,387,245
July	-	-	-	33,107	2,290,749	63,985	-	2,387,841
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	-	-	-	75,002	1,002,036	31,049	-	1,108,087
July	-	-	-	75,210	1,078,644	31,188	-	1,185,042
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	-	-	-	34,393	705,144	39,443	-	778,980
July	-	-	-	33,190	722,100	42,668	-	797,958
August								
September								
October								
November								
December								
Total July 1968	561	92,387	535,180	8,040,851	25,996,601	2,042,818	92,678	36,801,076
Total year to date	4,568	682,372	3,573,611	53,108,737	174,770,144	13,454,079	430,754	246,024,265
Total July, 1967	795	104,315	472,251	8,224,513	25,387,992	1,945,759	70,749	36,206,374

CATALOGUE No.

26-006

MONTHLY

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1968
Errata
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Crude Petroleum and Natural Gas Production

February to July 1968 inclusive

ERRATA

Page 3 of each report, Column 5 (Alberta)

Line 1, Crude oil:

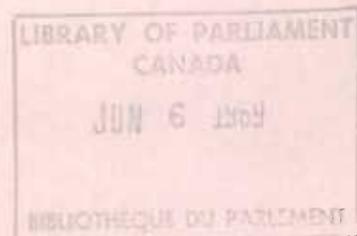
February report reads	21,251,866	should read	21,463,973
March " "	22,651,949	" "	23,220,809
April " "	20,864,456	" "	21,059,588
May " "	21,105,370	" "	21,355,458
June " "	19,511,142	" "	20,049,625
July " "	22,288,524	" "	22,788,110

Line 5, Net withdrawals, line 7, Total supply, line 31, Total Disposition:

February report reads	23,282,852	should read	23,494,959
March " "	24,629,481	" "	25,198,341
April " "	22,385,089	" "	22,580,221
May " "	22,302,419	" "	22,552,507
June " "	21,230,581	" "	21,769,064
July " "	24,195,857	" "	24,695,443

Line 30, Losses and adjustments:

February report reads	- 286,493	should read	- 74,386
March " "	- 573,767	" "	4,907
April " "	- 384,603	" "	- 189,471
May " "	- 333,878	" "	- 83,790
June " "	- 388,099	" "	150,384
July " "	- 452,056	" "	47,530



Revisions should be carried through to Total Canadian sources and Total all sources.

TABLE 2. Supply and Disposition of Crude Oil and Equivalent, by Source, Canada July 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										
Supply										
<u>Domestic production</u>										
Crude oil	561	92,387	535,180	7,899,344	22,288,524	1,900,428	92,678	32,809,102	...	32,809,102
Less returned to formation	-	-	-	-	450,877	-	-	450,877	...	450,877
Condensate	-	-	-	-	67,461	4,549	-	72,010	...	72,010
Pentanes plus	-	-	-	33,107	2,290,749	63,985	-	2,387,841	...	2,387,841
Net withdrawals	561	92,387	535,180	7,932,451	24,195,857	1,968,962	92,678	34,818,076	...	34,818,076
Imports .....	...	...	...	...	...	...	...	...	16,375,311	16,375,311
Total supply	561	92,387	535,180	7,932,451	24,195,857	1,968,962	92,678	34,818,076	16,375,311	51,193,387
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	3,668,508	3,668,508
Quebec	-	-	-	-	-	-	-	-	12,709,808	12,709,808
Ontario	-	92,387	316,518	4,815,242	4,714,646	-	-	9,938,793	-	9,938,793
Manitoba	-	-	16,073	570,284	669,818	-	-	1,256,175	-	1,256,175
Saskatchewan	-	-	-	305,554	1,570,656	-	-	1,876,210	-	1,876,210
Alberta	-	-	-	111,472	3,151,014	-	-	3,262,486	-	3,262,486
British Columbia	-	-	-	-	1,610,845	1,797,802	-	3,408,647	-	3,408,647
Northwest Territories	-	-	-	-	-	-	84,196	84,196	-	84,196
Totals	-	92,387	332,591	5,802,552	11,716,979	1,797,802	84,196	19,826,507	16,378,316	36,204,823
<u>Exports to U.S.A.</u>										
Petroleum Administration:										
District I	-	-	-	118,577	1,817,458	-	-	1,936,035	-	1,936,035
II and III	-	-	3,569	2,529,885	4,606,350	-	-	7,139,804	-	7,139,804
IV	-	-	-	-	871,425	-	-	871,425	-	871,425
V	-	-	-	-	5,609,288	286,737	-	5,896,025	-	5,896,025
Totals	-	-	3,569	2,648,462	12,904,521	286,737	-	15,843,289	-	15,843,289
<u>Inventories</u>										
Opening - Field and plant	8,062	-	72,468	397,718	1,453,603	- 48,694	37,749	1,920,906	-	1,920,906
Transporters'	-	-	160,473	5,337,073	21,600,815	1,426,619	-	28,524,980	359,835	28,884,815
Closing - Field and plant	7,514	-	77,368	419,409	1,451,292	- 24,934	46,228	1,976,877	-	1,976,877
Transporters'	-	-	354,310	4,697,465	21,571,672	1,391,050	-	28,014,497	359,835	28,374,332
Net change	- 548	-	198,737	- 617,917	- 31,454	- 11,809	8,479	- 454,512	-	- 454,512
Deliveries to other purchasers	959	-	-	1,621	10,482	613	-	13,675	-	13,675
Pipeline fuel	-	-	-	-	15,837	-	-	15,837	-	15,837
Field and plant use	-	-	-	4,379	31,548	-	-	35,927	-	35,927
Losses and adjustments	150	-	283	93,354	- 452,056	- 104,381	3	- 462,647	- 3,005	- 465,652
Total disposition	561	92,387	535,180	7,932,451	24,195,857	1,968,962	92,678	34,818,076	16,375,311	51,193,387

... Figures not appropriate or not applicable.

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

No.		New Brunswick and Quebec	Ontario	Saskatchewan
		Mcf.		
	<u>A. FIELD AND PROCESSING PLANTS</u>			
	<u>Supply</u>			
1	Gross new production	14,193	805,146	4,734,861
2	Less field flared and waste	-	-	1,015,294
3	Net new production (1 - 2)	14,193	805,146	3,719,567
4	Reproduced	-	-	-
5	Less injected and stored	-	-	2,600
6	Net withdrawals	14,193	805,146	3,716,967
	<u>Disposition</u>			
7	Field disposition and uses	184	-	302,426
8	Gathering system disposition and uses	-	-	73,458
9	Processing plant disposition and uses:			
9a	Processing shrinkage	-	-	217,125
9b	Other disposition and uses	-	-	186,012
10	Other uses	-	-	112,179
11	Adjustment	-	-	- 29,920
12	Deliveries of marketable gas	14,009	805,146	2,855,687
13	Total disposition	14,193	805,146	3,716,967
	<u>B. GAS UTILITIES</u>			
	<u>Supply</u>			
14	Receipts of marketable gas			
14a	Plants	-	-	1,899,663
14b	Fields	14,009	805,146	956,024
15	Total (14a + 14b)	14,009	805,146	2,855,687
16	Receipts from distributor storage	-	7,006	-
17	Other receipts	-	-	-
18	Total supply of marketable gas (15 + 16 + 17)	14,009	812,152	2,855,687
	<u>Disposition</u>			
	<u>Sales</u>			
19	British Columbia	-	-	-
20	Alberta	-	-	-
21	Saskatchewan	-	-	1,997,384
22	Manitoba	-	-	-
23	Ontario	-	875,026	-
24	Quebec	6,985	-	-
25	New Brunswick	3,819	-	-
26	Total sales (19 to 25 inclusive)	10,804	875,026	1,997,384
27	Exports	-	-	-
28	Other deliveries(1)	-	-	-
29	Delivered to distributor storage	-	-	1,157,754
30	Pipeline line pack fluctuation	-	-	- 11,694
31	Pipeline fuel	-	36,329	125,536
32	Pipeline losses etc.	3,205	- 99,203	- 413,293
33	Total disposition of marketable gas (26 to 32 inclusive)	14,009	812,152	2,855,687

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

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

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
116,727,718	19,025,366	86,054	141,393,338	...	141,393,338	1
5,307,719	1,095,150	85,554	7,503,717	...	7,503,717	2
111,419,999	17,930,216	500	133,889,621	...	133,889,621	3
-	-	-	-	...	-	4
13,007,636	641,466	-	13,651,702	...	13,651,702	5
98,412,363	17,288,750	500	120,237,919	...	120,237,919	6
1,229,141	289,946	-	1,821,697	...	1,821,697	7
269,594	-	-	343,052	...	343,052	8
14,705,238	492,557	-	15,414,920	...	15,414,920	9a
5,500,256	1,278,912	-	6,965,180	...	6,965,180	9b
70,512	-	500	183,191	...	183,191	10
- 257,138	277,210	-	- 9,848	...	- 9,848	11
76,894,760	14,950,125	-	95,519,727	...	95,519,727	12
98,412,363	17,288,750	500	120,237,919	...	120,237,919	13
84,751,699	14,608,510	-	81,259,872	...	81,259,872	14a
12,143,061	341,615	-	14,259,855	...	14,259,855	14b
76,894,760	14,950,125	-	95,519,727	...	95,519,727	15
15,215	-	-	22,221	...	22,221	16
2,909	302	-	3,211	9,174,890	9,178,101	17
76,912,884	14,950,427	-	95,545,159	9,174,890	104,720,049	18
249,131	4,991,970	-	5,241,101	-	5,241,101	19
10,809,621	-	-	10,809,621	2,413	10,812,034	20
2,005,993	-	-	4,003,377	-	4,003,377	21
1,703,146	-	-	1,703,146	-	1,703,146	22
6,007,841	-	-	6,882,867	9,172,633	16,055,500	23
2,939,640	-	-	2,946,625	-	2,946,625	24
-	-	-	3,819	-	3,819	25
23,715,372	4,991,970	-	31,590,556	9,175,046	40,765,602	26
37,132,851	9,273,033	-	46,405,884	-	46,405,884	27
93,347	-	-	93,347	-	93,347	28
12,169,525	-	-	13,327,279	-	13,327,279	29
- 237,773	58,323	-	- 191,144	-	- 191,144	30
3,544,172	458,055	-	4,164,092	-	4,164,092	31
495,390	169,046	-	155,145	- 156	154,989	32
76,912,884	14,950,427	-	95,545,159	9,174,890	104,720,049	33

... Figures not appropriate or not applicable.

TABLE 4. Net new Production of Natural Gas by Month, by Province, July 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	15,365	817,006	4,213,303	115,882,851	18,962,277	2,100	139,892,902
July	14,193	805,146	3,719,567	111,419,999	17,930,216	500	133,889,621
August							
September							
October							
November							
December							
Total year to date	152,752	7,210,982	33,827,855	901,060,748	148,209,164	21,504	1,090,483,005
Total July 1967	11,458	970,487	3,296,364	102,550,309	15,259,931	2,688	122,091,237

TABLE 5. Gas Processing Plant Production of Sulphur by Month, by Province, July 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	318	270,628	3,998	274,944
July	358	275,531	4,888	280,777
August				
September				
October				
November				
December				
Total year to date	2,514	1,853,064	26,018	1,881,596
Total July 1967	340	202,742	3,872	206,954

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

	Propane	Butanes	Sulphur
	barrels		short tons
<u>Production</u>			
Saskatchewan	75,210	33,190	358
Alberta	1,091,236	736,589	275,531
British Columbia	31,188	42,668	4,888
Canada	1,197,634	812,447	280,777
<u>Returned to formation</u>			
Saskatchewan .....	...	...	...
Alberta	12,592	14,489	...
British Columbia .....	...	...	...
Canada	12,592	14,489	...
<u>Net withdrawals</u>			
Saskatchewan	75,210	33,190	...
Alberta	1,078,644	722,100	...
British Columbia	31,188	42,668	...
Canada	1,185,042	797,958	...

... Figures not appropriate or not applicable.

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