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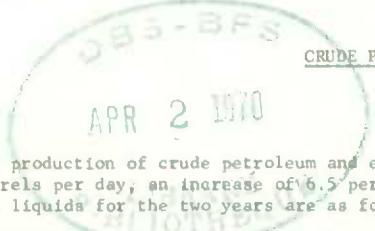
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AUGUST 1969

The production of crude petroleum and equivalent hydrocarbons during August 1969 amounted to 39,110,404 barrels or 1,261,626 barrels per day, an increase of 6.5 per cent or 77,538 barrels per day from August 1968. The production figures for all petroleum liquids for the two years are as follows:

	August 1968		August 1969	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensate	34.1	1,100,600	36.2	1,168,068
Pentanes plus	2.6	83,488	2.9	93,558
Propane and butanes	2.1	66,494	2.3	73,796
Totals	38.8	1,250,582	41.4	1,335,422

The disposition of Canadian crude and equivalent for August 1969 was 22.0 million barrels (56.3 per cent) to Canadian refineries and 17.6 million barrels (45.0 per cent) was exported. The 1.3 per cent difference between supply and sales is accounted for by inventory change, industry own use, etc. Imported crude petroleum for the same period amounted to 16.2 million barrels (521,390 barrels per day).

Natural gas production increased 15.6 per cent to 168,120,347 Mcf. from 145,476,096 Mcf. in August 1968. The disposition of natural gas for August 1969 is as follows: 33.6 million Mcf. was net deliveries to storage and injection operations; 31.6 million was used, and accounted for in fields and processing plants; 52.9 million was exported; 17.9 million was sold to ultimate customers in the prairies; 14.0 million in Ontario; 5.4 million in British Columbia and 3.6 million in Quebec. The remaining difference of 9.1 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 45-004, 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

April 1970
1503-515

TABLE 1. Field and Plant Production of Liquid Hydrocarbons by Month, by Province August 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	798	95,753	533,824	7,751,049	25,488,003	2,239,152	101,517	36,210,096
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	-	-	-	34,039	2,795,872	70,397	-	2,900,308
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	-	-	-	69,944	1,355,953	10,468	-	1,436,365
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	-	-	-	31,261	791,536	28,526	-	851,323
September								
October								
November								
December								
Total August 1969	798	95,753	533,824	7,886,293	30,431,364	2,348,543	101,517	41,398,092
Total year to date	5,741	806,910	4,100,264	59,811,175	226,794,470	17,529,469	547,036	309,595,065
Total August 1968	626	92,202	536,008	8,333,373	27,577,553	2,134,398	94,234	38,768,394

TABLE 1. Supply and Disposition of Crude Oil and Equivalent, by Source, Canada, August 1946

	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	798	95,753	533,824	7,751,049	24,787,195	2,233,089	110,713	35,512,421	...	35,512,421
Synthetic crude oil	-	-	-	-	974,710	-	-	974,710	...	974,710
Less returned to formation	-	-	-	-	334,463	-	9,196	343,659	...	343,659
Totals	798	95,753	533,824	7,751,049	25,427,442	2,233,089	101,517	36,143,472	...	36,143,472
Condensate	-	-	-	-	60,561	6,063	-	66,624	...	66,624
Pentanes plus	-	-	-	34,039	2,795,872	70,397	-	2,900,308	...	2,900,308
Net withdrawals	798	95,753	533,824	7,785,088	28,283,875	2,309,549	101,517	39,110,404	...	39,110,404
Imports .....	...	...	...	...	...	...	...	...	16,162,620	16,162,620
Total supply	798	95,753	533,824	7,785,088	28,283,875	2,309,549	101,517	39,110,404	16,162,620	55,273,024
<u>Disposition</u>										
<u>Deliveries to refineries</u>										
Atlantic Provinces	-	-	-	-	-	-	-	-	3,636,283	3,636,283
Quebec	-	-	-	-	-	-	-	-	12,443,190	12,443,190
Ontario	-	95,753	557,570	4,549,559	5,956,940	-	-	11,159,822	83,630	11,243,452
Manitoba	-	-	16,353	603,122	650,297	-	-	1,269,772	-	1,269,772
Saskatchewan	-	-	-	180,345	2,199,501	-	-	2,379,846	-	2,379,846
Alberta	-	-	-	-	3,448,733	-	-	3,448,733	-	3,448,733
British Columbia	-	-	-	-	1,489,805	2,185,289	-	3,675,094	-	3,675,094
Northwest Territories	-	-	-	-	-	-	76,073	76,073	-	76,073
Totals	-	95,753	573,923	5,333,026	13,745,276	2,185,289	76,073	22,009,340	16,163,103	38,172,443
<u>Exports to U.S.A.</u>										
Petroleum Administration										
District I	-	-	-	40,584	2,316,632	-	-	2,357,216	-	2,357,216
II	-	-	-	2,446,362	4,821,965	-	-	7,268,327	-	7,268,327
IV	-	-	-	-	849,428	-	-	849,428	-	849,428
V	-	-	-	-	6,894,041	237,958	-	7,131,999	-	7,131,999
Totals	-	-	-	2,486,946	14,882,066	237,958	-	17,606,970	-	17,606,970
<u>Inventories</u>										
Opening - 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
Closing - Field and plant	2,595	-	71,245	439,021	1,704,512	- 26,874	78,054	2,268,553	-	2,268,553
Transporters'	-	-	112,777	5,477,589	26,917,339	1,322,192	-	33,829,897	359,835	34,189,732
Net change	- 256	-	- 40,628	- 6,097	- 299,152	- 54,135	25,424	- 374,844	-	- 374,844
<u>Deliveries to other purchasers</u>										
Pipeline fuel	1,044	-	-	-	5,512	100	20	6,676	-	6,676
Field and plant use	-	-	-	-	13,035	-	-	13,035	-	13,035
Losses and adjustments	10	-	529	- 38,411	48,064	-	-	57,688	-	57,688
Total disposition	798	95,753	533,824	7,785,088	28,283,875	2,309,549	101,517	39,110,404	16,162,620	55,273,024

... Figures not appropriate or not applicable.

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

No.		New Brunswick	Quebec	Ontario	Saskatchewan
					Mcf.
A. FIELD AND PROCESSING PLANTS					
<u>Supply</u>					
1	Gross new production	6,716	9,171	758,456	4,656,909
2	Less field flared and waste	-	-	-	976,742
3	Net new production (1 - 2)	6,716	9,171	758,456	3,680,167
4	Reproduced	-	-	-	-
5	Less injected and stored	-	-	-	-
6	Net withdrawals	6,716	9,171	758,456	3,680,167
<u>Disposition</u>					
7	Field disposition and uses	92	-	-	308,445
8	Gathering system disposition and uses	-	-	-	47,641
9	Processing plant disposition and uses:				
9a	Processing shrinkage	-	-	-	190,401
9b	Other disposition and uses	-	-	-	252,122
10	Other uses	-	-	-	59,054
11	Adjustment	-	-	-	44,630
12	Deliveries of marketable gas	6,624	9,171	758,456	2,777,874
13	Total disposition	6,716	9,171	758,456	3,680,167
B. GAS UTILITIES					
<u>Supply</u>					
14	<u>Receipts of marketable gas</u>				
14a	Plants	-	-	-	1,622,481
14b	Fields	6,624	9,171	758,456	1,155,333
15	Total (14a + 14b)	6,624	9,171	758,456	2,777,874
16	Receipts from distributor storage	-	-	103,684	23,491
17	Imports	-	-	-	-
17a	Other receipts(1)	-	-	-	-
18	Total supply of marketable gas (15 + 16 + 17 + 17a)	6,624	9,171	862,140	2,801,365
<u>Disposition</u>					
<u>Sales</u>					
19	British Columbia	-	-	-	-
20	Alberta	-	-	-	-
21	Saskatchewan	-	-	-	180,344
22	Manitoba	-	-	-	-
23	Ontario	-	-	743,898	-
24	Quebec	-	9,171	-	-
25	New Brunswick	3,610	-	-	-
26	Total sales (19 to 25 inclusive)	3,610	9,171	743,898	180,344
27	Exports	-	-	-	-
28	Other deliveries(2)	-	-	-	785,532
29	Delivered to distributor storage	-	-	-	238,910
30	Pipeline line pack fluctuation	-	-	30,200	1,171,337
31	Pipeline fuel	-	-	88,042	425,242
32	Pipeline losses etc.	3,014	-	-	-
33	Total disposition of marketable gas (26 to 32 inclusive)	6,624	9,171	862,140	2,801,365

(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, August 1969

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
146,813,330 5,564,164	23,408,235 993,468	95,765 93,861	175,748,582 7,628,235	...	175,748,582 7,628,235	1 2
141,249,166	22,414,767	1,904	168,120,347	...	168,120,347	3
14,866,363	764,442	-	15,630,805	...	15,630,805	4 5
126,382,803	21,650,325	1,904	152,489,542	...	152,489,542	6
615,696 112,628	596,368 121,598	- -	1,520,601 281,867	...	1,520,601 281,867	7 8
18,498,583 6,724,634 77,146 1,265,999 99,088,117	459,693 2,883,817 - - 623,423 18,212,272	- - 1,904 - -	19,148,677 9,860,573 138,104 687,206 120,852,514	...	19,148,677 9,860,573 138,104 687,206 120,852,514	9a 9b 10 11 12
126,382,803	21,650,325	1,904	152,489,542	...	152,489,542	13
14,586,136 16,501,981	17,852,486 359,786	- -	104,061,103 16,791,411	...	104,061,103 16,791,411	14a 14b
99,088,117	18,212,272	-	120,852,514	...	120,852,514	15
18,832 - 2,129	- - 18	- - -	146,007 - 2,147	... 3,728,265 ...	146,007 3,728,265 2,147	16 17 17a
99,109,078	18,212,290	-	121,000,668	3,728,265	124,728,933	18
674,700 12,631,445 3,257,530 1,785,559 13,242,230 3,592,519 -	4,758,422 - - - - - -	- - - - - - -	5,433,122 12,631,445 3,437,874 1,785,559 13,986,128 3,601,690 3,610	- 2,362 - - 3,725,742 - -	5,433,122 12,633,807 3,437,874 1,785,559 17,711,870 3,601,690 3,610	19 20 21 22 23 24 25
35,183,983	4,758,422	-	40,879,428	3,728,104	44,607,532	26
40,845,772 306,840 17,285,654 177,156 3,963,389 1,346,284	12,038,734 - - - 155 1,053,219 362,070	- - - - - -	52,884,506 306,840 18,071,186 415,911 6,218,145 2,224,652	- - - - - 161	52,884,506 306,840 18,071,186 415,911 6,218,145 2,224,813	27 28 29 30 31 32
29,159,078	18,212,290	-	121,000,668	3,728,265	124,728,933	33

TABLE 4. Net new Production of Natural Gas by Month, by Province, August 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	6,716	9,171	758,456	3,680,167	141,249,166	22,414,767	1,904	168,120,347
September								
October								
November								
December								
Total year to date	71,762	85,238	7,368,997	36,064,787	1,170,704,364	197,287,707	29,396	1,411,612,251
Total August 1968	7,462	9,136	727,015	3,497,621	121,013,060	20,220,959	843	145,476,096

TABLE 5. Gas Processing Plant Production of Sulphur by Month, by Province, August 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	314	333,186	4,364	337,864
September				
October				
November				
December				
Total year to date	2,381	2,662,398	41,198	2,705,977
Total August 1968	278	264,609	5,298	270,185

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

	Propane barrels	Butanes	Sulphur short tons
<u>Production</u>			
Saskatchewan	69,944	31,261	314
Alberta	1,364,064	851,915	333,186
British Columbia	10,468	28,526	4,364
Canada	1,444,476	911,702	337,864
<u>Returned to Formation</u>			
Saskatchewan .....	...	...	...
Alberta	8,111	60,379	...
British Columbia .....	...	...	...
Canada	8,111	60,379	...
<u>Net withdrawals</u>			
Saskatchewan	69,944	31,261	...
Alberta	1,355,953	791,536	...
British Columbia	10,468	28,526	...
Canada	1,436,365	851,323	...

... Figures not appropriate or not applicable.

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