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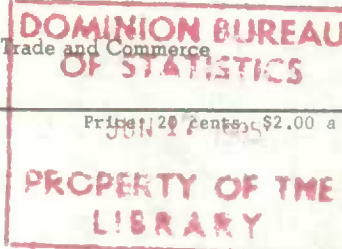
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## CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

JANUARY 1965

The production of crude petroleum and equivalent hydrocarbon during January 1965 amounted to 29,005,249 barrels (935,653 barrels/day), an increase of 10.3 per cent or 2,824 barrels per day over the same period in 1964. The January production figures for all petroleum liquids for the two years are as follows:

	January 1965		January 1964	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensate .....	26.5	854,839	24.2	780,645
Pentanes plus .....	2.5	80,645	2.1	67,742
Propanes and Butanes .....	1.5	48,387	1.0	32,258
Total .....	30.5	983,871	27.3	880,645

The disposition of the January 1965 production was 19.3 million barrels (66.7 per cent) to Canadian refineries, 9.0 million barrels (30.9 per cent) was exported and other dispositions accounted for 0.7 million barrels (2.4 per cent). Imported crude petroleum for this same period amounted to 11.9 million barrels (383,871 barrels/day) bringing domestic requirements for crude petroleum and equivalent hydrocarbon production to 40.9 million barrels (1,319,355 barrels/day).

Natural gas production increased 12.1 per cent to 137,706,626 Mcf. from 122,872,281 Mcf. in January 1964. Of the total production of 137.7 million Mcf., 8.9 million was net deliveries to storage and injection operations, 19.4 million was used, lost or unaccounted for in fields and processing plants, 36.6 million was exported, 32.9 million was sold to ultimate customers in the prairies, 24.0 million in Ontario, 6.4 million in British Columbia and 3.2 million in Quebec. The remaining 6.3 million Mcf. was accounted for by other deliveries, line pack changes and pipeline fuel.

Table 1 includes all crude oil and equivalent hydrocarbon production of condensates and pentanes plus. Pentanes plus represent the production of crude oil equivalent at processing plants while crude 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. Additional 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.

Marketable gas is taken to include all natural gas purchased directly from fields or processing plants which meets the specifications required for domestic, commercial or industrial fuel use.

A companion publication, "Gas Utilities", Catalogue number 55-002 provides additional details on the movement and sales of natural gas, while a second companion report "Sales of Manufactured and Natural Gas", Catalogue number 45-005 provides details on the sales and revenues by rate categories.

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.

Industry Division

May 1965  
6511-515

TABLE 1. Production of Crude Oil, Condensate and Pentanes Plus by Month, by Province, 1965

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
barrels of 35 Canadian gallons								
<u>Crude oil and condensate</u>								
January .....	299	94,485	398,597	7,102,112	17,860,267	1,005,456	49,674	26,510,890
February .....								
March .....								
April .....								
May .....								
June .....								
July .....								
August .....								
September .....								
October .....								
November .....								
December .....								
<u>Pentanes plus</u>								
January .....	-	-	-	20,971	2,387,019	86,369	-	2,494,359
February .....								
March .....								
April .....								
May .....								
June .....								
July .....								
August .....								
September .....								
October .....								
November .....								
December .....								
Total January 1965 .....	299	94,485	398,597	7,123,083	20,247,286	1,091,825	49,674	29,005,249
Total year to date .....	299	94,485	398,597	7,123,083	20,247,286	1,091,825	49,674	29,005,249
Total January 1964 .....	666	105,271	328,262	6,731,415	18,005,087	1,076,875	44,175	26,291,751

TABLE 2. Supply and Disposition of Crude Oil and Equivalent, by Source, Canada, January 1965

	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>New supply</u>										
Domestic production:										
Crude oil .....	299	94,485	398,597	7,102,112	17,777,647	1,004,217	49,674	26,427,031	...	26,427,031
Condensate .....	-	-	-	-	82,620	1,239	-	83,859	...	83,859
Pentanes plus .....	-	-	-	20,971	2,387,019	86,369	-	2,494,359	...	2,494,359
Total crude oil and equivalent	299	94,485	398,597	7,123,083	20,247,286	1,091,825	49,674	29,005,249	...	29,005,249
Imports .....	...	...	...	...	...	...	...	...	11,900,186	11,900,186
Total new supply .....	299	94,485	398,597	7,123,083	20,247,286	1,091,825	49,674	29,005,249	11,900,186	40,905,435
<u>Disposition</u>										
Deliveries to refineries:										
Atlantic Provinces .....	299	-	-	-	-	-	-	299	3,292,020	3,292,319
Quebec .....	-	-	-	-	-	-	-	-	8,606,263	8,606,263
Ontario .....	-	94,485	311,328	4,386,065	5,147,849	-	-	9,939,727	-	9,939,727
Manitoba .....	-	-	107,528	550,692	655,144	-	-	1,313,364	-	1,313,364
Saskatchewan .....	-	-	-	538,590	1,403,631	-	-	1,942,221	-	1,942,221
Alberta .....	-	-	-	52,809	2,940,770	-	-	2,993,579	-	2,993,579
British Columbia .....	-	-	-	-	2,086,368	1,026,149	-	3,112,517	-	3,112,517
Northwest Territories .....	-	-	-	-	-	-	38,413	38,413	-	38,413
Totals .....	299	94,485	418,856	5,528,156	12,233,762	1,026,149	38,413	19,340,120	11,898,283	31,238,403
Exports to U.S.A.:										
Northwest Area:										
West of Rocky Mountains .....	-	-	-	-	4,179,147	55,091	-	4,234,238	-	4,234,238
East of Rocky Mountains .....	-	-	-	-	411,733	-	-	411,733	-	411,733
Great Lakes Area .....	-	-	-	2,000,778	2,328,925	-	-	4,329,703	-	4,329,703
Totals .....	-	-	-	2,000,778	6,919,805	55,091	-	8,975,674	-	8,975,674
Deliveries to other purchasers ..	-	-	-	3,494	13,962	-	-	17,456	-	17,456
Inventories:										
Opening - Field and plant .....	-	-	89,124	469,838 <sup>r</sup>	965,701	53,705	57,227	1,635,595	-	1,635,595
Transporters' .....	-	-	13,098	4,831,187	15,002,449 <sup>r</sup>	1,084,498	-	20,931,232	198,412	21,129,644
Closing - Field and plant .....	-	-	83,875	479,848	945,230	61,155	68,488	1,638,596	-	1,638,596
Transporters' .....	-	-	14,076	4,421,761	15,832,819	1,131,832	-	21,400,488	197,191	21,597,679
Net change .....	-	-	- 4,271	- 399,416	809,899	54,784	11,261	472,257	- 1,221	471,036
Pipeline fuel .....	-	-	-	-	38,136	-	-	38,136	-	38,136
Field and plant use .....	-	-	-	3,343	17,341	4,010	-	24,694	-	24,694
Losses and adjustments .....	-	-	- 15,988	- 13,272	214,381	- 48,209	-	136,912	3,124	140,036
Total disposition .....	299	94,485	398,597	7,123,083	20,247,286	1,091,825	49,674	29,005,249	11,900,186	40,905,435

... Figures not appropriate or not applicable.

<sup>r</sup> Revised figure.

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, January 1965

No.		New Brunswick	Ontario	Saskatchewan
		Mcf.		
	<u>A. FIELD AND PROCESSING PLANTS</u>			
	<u>Supply</u>			
1	Gross new production .....	11,708	1,470,195	5,481,063
2	Less field flared and waste .....	-	-	1,535,957
3	Net new production (1 - 2) .....	11,708	1,470,195	3,945,106
	<u>Disposition</u>			
4	Field disposition and uses .....	262	-	89,782
5	Gathering system disposition and uses .....	-	-	28,136
6	Processing plant disposition and uses:			
6a	Processing shrinkage .....	-	-	166,687
6b	Other disposition and uses .....	-	-	121,746
7	Field injection and storage:			
7a	Injected and stored .....	-	-	36,088
7b	Less reproduced .....	-	-	-
7c	Net field injection and storage (7a - 7b) .....	-	-	36,088
8	Other uses .....	-	-	237,752
9	Adjustment .....	-	-	18,559
10	Deliveries of marketable gas .....	11,446	1,470,195	3,246,356
11	Total disposition .....	11,708	1,470,195	3,945,106
	<u>B. GAS UTILITIES</u>			
	<u>Supply</u>			
12	Receipts of marketable gas:			
12a	Plants .....	-	-	1,353,421
12b	Fields .....	11,446	1,470,195	1,252,935
13	Total (12a + 12b) .....	11,446	1,470,195	3,246,356
14	Receipts from distributor storage .....	-	8,274,140	716,384
15	Other receipts(1) .....	-	-	-
16	Total supply of marketable gas (13 + 14 + 15)	11,446	9,744,335	3,962,740
	<u>Disposition</u>			
	Sales:			
17	British Columbia .....	-	-	-
18	Alberta .....	-	-	-
19	Saskatchewan .....	-	-	3,884,190
20	Manitoba .....	-	-	200,403
21	Ontario .....	-	9,357,947	-
22	Quebec .....	-	-	-
23	New Brunswick .....	6,379	-	-
24	Total sales (17 to 23 inclusive) .....	6,379	9,357,947	4,084,593
25	Exports .....	-	-	-
26	Other deliveries(2) .....	-	-	-
27	Delivered to distributor storage .....	-	-	115,931
28	Pipeline line pack fluctuation .....	-	-	- 10,842
29	Pipeline fuel .....	-	47,887	79,173
30	Pipeline losses etc. ....	5,067	338,501	- 306,115
31	Total disposition of marketable gas (24 to 30 inclusive) .....	11,446	9,744,335	3,962,740

(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, January 1965

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
121,082,805	15,838,608	43,996	143,928,375	-	143,928,375	1
4,206,672	439,341	39,517	6,221,487	-	6,221,487	2
116,876,133	15,399,267	4,479	137,706,888	-	137,706,888	3
1,529,450	188,621	-	1,808,115	-	1,808,115	4
- 385,475	-	-	- 357,339	-	- 357,339	5
10,297,479	638,951	-	11,103,117	-	11,103,117	6a
5,134,490	1,049,775	-	6,306,011	-	6,306,011	6b
17,576,922	216,706	-	17,829,716	-	17,829,716	7a
344,346	-	-	344,346	-	344,346	7b
17,232,576	216,706	-	17,485,370	-	17,485,370	7c
82,822	-	4,479	325,053	-	325,053	8
- 31,394	232,725	-	219,890	-	219,890	9
83,016,185	13,072,489	-	100,816,671	-	100,816,671	10
116,876,133	15,399,267	4,479	137,706,888	-	137,706,888	11
17,927,728	12,557,178	-	79,639,056	-	79,639,056	12a
17,927,728	515,311	-	21,177,615	-	21,177,615	12b
83,016,185	13,072,489	-	100,816,671	-	100,816,671	13
108,455	-	-	9,098,979	-	9,098,979	14
334,737	-	-	334,737	-	334,737	15
83,459,377	13,072,489	-	110,250,387	135,283	110,385,670	16
1,306,594	5,059,567	-	6,366,161	-	6,366,161	17
21,472,566	-	-	21,472,566	15,044	21,487,610	18
3,010,165	-	-	6,894,355	-	6,894,355	19
4,351,051	-	-	4,551,454	-	4,551,454	20
14,641,842	-	-	23,999,789	120,239	24,120,028	21
3,177,596	-	-	3,177,596	-	3,177,596	22
-	-	-	6,379	-	6,379	23
47,959,814	5,059,567	-	66,468,300	135,283	66,603,583	24
29,256,627	7,343,193	-	36,599,820	-	36,599,820	25
246,532	-	-	246,532	-	246,532	26
378,015	-	-	493,946	-	493,946	27
- 167,661	221,870	-	43,367	-	43,367	28
3,707,738	386,794	-	4,221,592	-	4,221,592	29
2,078,312	61,065	-	2,176,830	-	2,176,830	30
83,459,377	13,072,489	-	110,250,387	135,283	110,385,670	31

TABLE 4. Production of Natural Gas by Month, by Province, 1965

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
Mcf. at 14.73 p.s.i.a. and 60°F							
January .....	11,446	1,470,195	3,945,106	116,876,133	15,399,267	4,479	137,706,626
February .....							
March .....							
April .....							
May .....							
June .....							
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							
Total year to date .....	11,446	1,470,195	3,945,106	116,876,133	15,399,267	4,479	137,706,626
Total January 1964 .....	13,661	1,153,281	4,182,480	104,351,078	13,168,099	3,682	122,872,281

TABLE 5. Production of Propane and Butanes from Natural Gas by Month, by Province, 1965

Month	Propane				Butanes			
	Saskatchewan	Alberta	British Columbia	Canada	Saskatchewan	Alberta	British Columbia	Canada
barrels of 35 Canadian gallons								
January .....	54,729	807,465	39,263	901,457	27,128	559,473	41,762	628,363
February .....								
March .....								
April .....								
May .....								
June .....								
July .....								
August .....								
September .....								
October .....								
November .....								
December .....								
Total year to date .....	54,729	807,465	39,263	901,457	27,128	559,473	41,762	628,363
Total January 1964 .....	56,111	463,314	21,766	541,191	29,680	342,379	37,511	409,570



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