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## CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

MAY 1964

AUG 08 1964

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Crude oil and equivalent production increased 11.4 per cent to ~~24,929,288~~ barrels (804,171 barrels/day) in May 1964 from 22,372,057 barrels last year. Production of pentanes plus amounted to 2,002,774 barrels. The disposition of Canadian crude oil and equivalent was 64.6 per cent to Canadian refineries, 35.2 per cent was exported and other disposition accounted for 0.2 per cent.

Natural gas production increased 16.6 per cent to 101,756,884 Mcf. from 87,281,644 Mcf. in May 1963. Of the total production of 101.8 million Mcf., 22.8 million was net deliveries to storage and injection operations, 11.3 million was used, lost or unaccounted for in fields and processing plants, 31.6 million was exported, 17.2 million was sold to ultimate customers in the prairies, 10.8 million in Ontario, 3.1 million in British Columbia and 2.7 million in Quebec. The remaining 2.3 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, was formerly published in "Refined Petroleum Products", Catalogue Number 45-004. 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 ("Imperial") gallons at 60°F. Additional 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 and use.

Marketable gas is taken to include all gas purchased by gas utilities either directly from fields or from processing plants, and represents the basic point of trade between producers and purchasers.

A companion publication, "Natural 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 are given in thousand cubic feet measured at 14.73 p.s.i.a. and 60°F.

Industry Division

August 1964  
6511-515

TABLE 3. Supply and Disposition of Natural Gas by Source, Canada, May 1964

No.		Mcf.		
		New Brunswick	Ontario	Rest of Canada
	<u>A. FIELD AND PROCESSING PLANTS</u>			
	<u>Supply</u>			
1	Gross new production .....	7,133	840,958	4,978,442
2	Less field flared and waste .....	-	-	1,713,397
3	Net new production (1 - 2) .....	7,133	840,958	3,265,045
	<u>Disposition</u>			
4	Field disposition and uses .....	160	-	183,819
5	Gathering system disposition and uses .....	-	-	44,144
6	Processing plant disposition and uses:			
6a	Processing shrinkage .....	-	-	174,032
6b	Other disposition and uses .....	-	-	211,570
7	Field injection and storage:			
7a	Injected and stored .....	-	-	92,228
7b	Less reproduced .....	-	-	-
7c	Net field injection and storage (7a - 7b) .....	-	-	92,228
8	Other uses .....	-	-	158,321
9	Adjustment .....	-	-	123
10	Deliveries of marketable gas .....	6,973	840,958	2,400,808
11	Total disposition .....	7,133	840,958	3,265,045
	<u>B. GAS UTILITIES</u>			
	<u>Supply</u>			
12	Receipts of marketable gas:			
12a	Plants .....	-	-	1,991,336
12b	Fields .....	6,973	840,958	409,472
13	Total (12a + 12b) .....	6,973	840,958	2,400,808
14	Receipts from distributor storage .....	-	482,575	-
15	Other receipts(1) .....	-	-	-
16	Total supply of marketable gas (13 + 14 + 15)	6,973	1,323,533	2,400,808
	<u>Disposition</u>			
	Sales:			
17	British Columbia .....	-	-	-
18	Alberta .....	-	-	-
19	Saskatchewan .....	-	-	2,488,972
20	Manitoba .....	-	-	167,775
21	Ontario .....	-	1,391,457	-
22	Quebec .....	-	-	-
23	New Brunswick .....	5,263	-	-
24	Total sales (17 to 23 inclusive) .....	5,263	1,391,457	2,656,747
25	Exports .....	-	-	-
26	Other deliveries(2) .....	-	-	-
27	Delivered to distributor storage .....	-	-	529,844
28	Pipeline line pack fluctuation .....	-	-	2,098
29	Pipeline fuel .....	-	29,026	32,917
30	Pipeline losses etc. ....	1,710	-96,950	-820,798
31	Total disposition of marketable gas (24 to 30 inclusive) .....	6,973	1,323,533	2,400,808

(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, May 1964

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
91,167,132	11,527,100	26,974	108,547,739	-	108,547,739	1
3,872,735	1,179,598	25,125	6,790,855	-	6,790,855	2
87,294,397	10,347,502	1,849	101,756,884	-	101,756,884	3
1,013,659	49,868	-	1,247,506	-	1,247,506	4
652,910	-	-	697,054	-	697,054	5
8,183,736	444,850	-	8,802,618	-	8,802,618	6a
3,997,405	568,090	-	4,777,065	-	4,777,065	6b
17,834,311	-	-	17,926,539	-	17,926,539	7a
152,175	-	-	152,175	-	152,175	7b
17,682,136	-	-	17,774,364	-	17,774,364	7c
67,012	-	1,849	227,182	-	227,182	8
-959,309	1,831	-	-957,355	-	-957,355	9
56,656,848	9,282,863	-	69,188,450	-	69,188,450	10
87,294,397	10,347,502	1,849	101,756,884	-	101,756,884	11
47,777,667	9,183,251	-	58,952,254	-	58,952,254	12a
8,879,181	99,612	-	10,236,196	-	10,236,196	12b
56,656,848	9,282,863	-	69,188,450	-	69,188,450	13
28,922	-	-	511,497	-	511,497	14
5,218	-	-	5,218	-	5,218	15
56,690,988	9,282,863	-	69,705,165	2,848,426	72,553,591	16
750,075	2,342,505	-	3,092,580	-	3,092,580	17
11,810,587	-	-	11,810,587	5,000	11,815,587	18
1,171,441	-	-	3,660,413	-	3,660,413	19
1,588,493	-	-	1,756,268	-	1,756,268	20
9,364,660	-	-	10,756,117	2,843,426	13,599,543	21
2,712,277	-	-	2,712,277	-	2,712,277	22
-	-	-	5,263	-	5,263	23
27,397,533	2,342,505	-	33,793,505	2,848,426	36,641,931	24
24,842,380	6,708,573	-	31,550,953	-	31,550,953	25
507,228	-	-	507,228	-	507,228	26
5,006,653	-	-	5,536,497	-	5,536,497	27
-147,593	130,521	-	-14,974	-	-14,974	28
1,628,848	115,984	-	1,806,775	-	1,806,775	29
-2,544,061	-14,720	-	-3,474,819	-	-3,474,819	30
56,690,988	9,282,863	-	69,705,165	2,848,426	72,553,591	31

TABLE 4. Production of Natural Gas by Month, by Province, 1964

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
Mcf. at 14.73 p.s.i.a. and 60°F							
January .....	13,661	1,153,281	4,182,480	104,620,680	13,168,099	3,682	123,141,883
February .....	12,317	1,886,872	3,829,373	96,531,124	11,818,507	4,461	114,082,654
March .....	12,711	2,191,960	3,969,890	95,902,648	12,515,103	2,836	114,595,148
April .....	9,157	1,045,233	3,351,961	94,197,166	11,159,635	2,217	109,765,369
May .....	7,133	840,958	3,265,045	87,294,397	10,347,502	1,849	101,756,884
June .....							
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							
Total year to date .....	54,979	7,118,304	18,598,749	478,546,015	59,008,846	15,045	563,341,938
Total May 1963 .....	7,409	811,951	3,055,650	73,926,624	9,478,462	1,548	87,281,644

TABLE 5. Production of Propane and Butanes from Natural Gas by Month, by Province, 1964

Month	Propane				Butanes			
	Saskatchewan	Alberta	British Columbia	Canada	Saskatchewan	Alberta	British Columbia	Canada
barrels of 35 "Imperial" gallons								
January .....	56,111	496,469	21,766	574,346	29,680	351,803	37,511	418,994
February .....	52,676	434,516	18,776	505,968	29,412	322,486	37,596	389,494
March .....	57,419	432,777	16,616	506,812	30,529	302,108	41,298	373,935
April .....	54,841	431,917	13,979	500,737	29,732	304,461	31,524	365,717
May .....	50,031	377,772	10,585	438,388	32,444	317,211	30,280	379,935
June .....								
July .....								
August .....								
September .....								
October .....								
November .....								
December .....								
Total year to date .....	271,078	2,173,451	81,722	2,526,251	151,797	1,598,069	178,209	1,928,075
Total May 1963 .....	47,947	272,733	33,618	354,298	26,343	170,145	39,177	235,665



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