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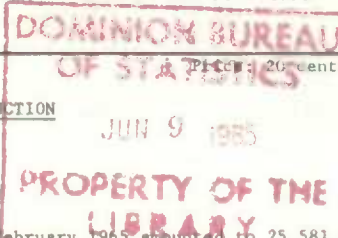
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CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

FEBRUARY 1965



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The production of crude petroleum and equivalent hydrocarbon during February 1965 amounted to 25,581,337 barrels (913,619 barrels/day), an increase of 2.0 per cent or 1,732 barrels per day over the same period in 1964. The February production figures for all petroleum liquids for the two years are as follows:

	February 1965		February 1964	
	millions of barrels	barrels per day	millions of barrels	barrels per day
Crude petroleum and condensates	23.3	832,143	23.1	796,552
Pentanes plus	2.2	78,571	2.0	68,966
Propanes and Butanes	1.4	50,000	0.9	31,034
Totals	26.9	960,714	26.0	896,552

The disposition of the February 1965 production was 17.2 million barrels (67.2 per cent) to Canadian refineries and 8.4 million barrels (32.8 per cent) was exported. Imported crude petroleum for this same period amounted to 10.8 million barrels (385,714 barrels/day) bringing domestic requirements for crude petroleum and equivalent hydrocarbon production to 36.4 million barrels (1,300,000 barrels/day).

Natural gas production increased 7.3 per cent to 122,750,987 Mcf. from 114,360,689 Mcf. in February 1964. Of the total production of 122.8 million Mcf., 8.6 million was net deliveries to storage and injection operations, 17.1 million was used, lost or unaccounted for in fields and processing plants, 33.8 million was exported, 28.9 million was sold to ultimate customers in the prairies, 24.2 million in Ontario, 5.2 million in British Columbia and 2.9 million in Quebec. The remaining 2.1 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. 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

June 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	298	89,230	357,046	6,382,912	15,537,605	903,469	70,825	23,341,385
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	-	-	-	18,714	2,138,274	82,964	-	2,239,952
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Total February 1965	298	89,230	357,046	6,401,626	17,675,879	986,433	70,825	25,581,337
Total year to date	597	183,715	755,643	13,524,709	37,923,165	2,078,258	120,499	54,586,586
Total February 1964	398	99,211	321,185	6,410,995	17,198,503	993,382	64,846	25,088,520

TABLE 2. Supply and Disposition of Crude Oil and Equivalent, by Source, Canada, February 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	298	89,230	357,046	6,382,912	15,508,261	902,490	70,825	23,311,062	...	23,311,062
Condensate	-	-	-	-	29,344	979	-	30,323	...	30,323
Pentanes plus	-	-	-	18,714	2,138,274	82,964	-	2,239,952	...	2,239,952
Total crude oil and equivalent	298	89,230	357,046	6,401,626	17,675,879	986,433	70,825	25,581,337	...	25,581,337
Imports .....	...	...	...	...	...	...	...	...	10,830,497	10,830,497
Total new supply	298	89,230	357,046	6,401,626	17,675,879	986,433	70,825	25,581,337	10,830,497	36,411,834
<u>Disposition</u>										
Deliveries to refineries:										
Atlantic Provinces	298	-	-	-	-	-	-	298	2,996,490	2,996,788
Quebec	-	-	-	-	-	-	-	-	7,832,015	7,832,015
Ontario	-	89,230	265,593	3,495,195	4,743,233	-	-	8,593,251	-	8,593,251
Manitoba	-	-	102,452	607,944	514,804	-	-	1,225,200	-	1,225,200
Saskatchewan	-	-	-	412,320	1,415,991	-	-	1,828,311	-	1,828,311
Alberta	-	-	-	52,921	2,616,716	-	-	2,669,637	-	2,669,637
British Columbia	-	-	-	-	1,702,847	1,075,401	-	2,778,248	-	2,778,248
Northwest Territories	-	-	-	-	-	-	58,879	58,879	-	58,879
Totals	298	89,230	368,045	4,568,380	10,993,591	1,075,401	58,879	17,153,824	10,828,505	27,982,329
Exports to U.S.A.:										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	3,761,845	51,789	-	3,813,634	-	3,813,634
East of Rocky Mountains	-	-	-	-	375,979	-	-	375,979	-	375,979
Great Lakes Area	-	-	-	2,012,809	2,229,266	-	-	4,242,075	-	4,242,075
Totals	-	-	-	2,012,809	6,367,090	51,789	-	8,431,688	-	8,431,688
Deliveries to other purchasers ..	-	-	-	320	12,520	-	-	12,840	-	12,840
Inventories:										
Opening - Field and plant	-	-	83,875	479,848	945,230	61,338 ^F	68,488	1,638,779	-	1,638,779
Transporters'	-	-	14,076	4,421,761	15,832,819	1,131,832	-	21,400,488	197,191	21,597,679
Closing - Field and plant	-	-	86,476	490,984	976,118	60,807	80,392	1,694,777	-	1,694,777
Transporters'	-	-	13,085	4,206,006	15,932,087	1,011,499	-	21,162,677	197,008	21,359,685
Net change	-	-	1,610	- 204,619	130,156	- 120,864	11,904	- 181,813	- 183	- 181,996
Pipeline fuel	-	-	-	-	33,128	-	-	33,128	-	33,128
Field and plant use	-	-	-	320	13,008	4,210	-	17,538	-	17,538
Losses and adjustments	-	-	- 12,609	24,416	126,386	- 24,103	42	114,132	2,175	116,307
Total disposition	298	89,230	357,046	6,401,626	17,675,879	986,433	70,825	25,581,337	10,830,497	36,411,834

... Figures not appropriate or not applicable.

^F Revised figure.

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

No.		New Brunswick	Ontario	Saskatchewan
		Mcf.		
	<u>A. FIELD AND PROCESSING PLANTS</u>			
	<u>Supply</u>			
1	Gross new production	12,080	1,296,058	4,944,781
2	Less field flared and waste	-	-	1,374,671
3	Net new production (1 - 2)	12,080	1,296,058	3,570,110
	<u>Disposition</u>			
4	Field disposition and uses	271	-	75,461
5	Gathering system disposition and uses	-	-	7,935
6	Processing plant disposition and uses:			
6a	Processing shrinkage	-	-	149,544
6b	Other disposition and uses	-	-	155,463
7	Field injection and storage:			
7a	Injected and stored	-	-	-
7b	Less reproduced	-	-	-
7c	Net field injection and storage (7a - 7b)	-	-	-
8	Other uses	-	-	202,171
9	Adjustment	-	-	- 1,017
10	Deliveries of marketable gas	11,809	1,296,058	2,980,553
11	Total disposition	12,080	1,296,058	3,570,110
	<u>B. GAS UTILITIES</u>			
	<u>Supply</u>			
12	Receipts of marketable gas:			
12a	Plants	-	-	1,351,447
12b	Fields	11,809	1,296,058	1,129,106
13	Total (12a + 12b)	11,809	1,296,058	2,980,553
14	Receipts from distributor storage	-	7,183,629	668,306
15	Other receipts(1)	-	76	-
16	Total supply of marketable gas (13 + 14 + 15)	11,809	8,479,763	3,648,859
	<u>Disposition</u>			
	Sales:			
17	British Columbia	-	-	-
18	Alberta	-	-	-
19	Saskatchewan	-	-	3,632,478
20	Manitoba	-	-	493,658
21	Ontario	-	8,554,411	-
22	Quebec	-	-	-
23	New Brunswick	6,431	-	-
24	Total sales (17 to 23 inclusive)	6,431	8,554,411	4,126,136
25	Exports	-	-	-
26	Other deliveries(2)	-	-	-
27	Delivered to distributor storage	-	-	103,083
28	Pipeline line pack fluctuation	-	-	- 11,902
29	Pipeline fuel	-	45,591	78,101
30	Pipeline losses etc.	5,378	- 120,239	- 646,559
31	Total disposition of marketable gas (24 to 30 inclusive)	11,809	8,479,763	3,648,859

(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, February 1965

Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources	No.
Mcf.						
108,321,272	13,997,071	59,440	128,630,702	-	128,630,702	1
4,078,281	373,443	53,320	5,879,715	-	5,879,715	2
104,242,991	13,623,628	6,120	122,750,987	-	122,750,987	3
888,452	133,130	-	1,097,314	-	1,097,314	4
104,547	-	-	112,482	-	112,482	5
9,238,988	561,131	-	9,949,663	-	9,949,663	6a
4,506,020	852,707	-	5,514,190	-	5,514,190	6b
16,194,029	207,704	-	16,401,733	-	16,401,733	7a
253,742	-	-	253,742	-	253,742	7b
15,940,287	207,704	-	16,147,991	-	16,147,991	7c
71,993	-	6,120	280,284	-	280,284	8
22,236	136,949	-	158,168	-	158,168	9
73,470,468	11,732,007	-	89,490,895	-	89,490,895	10
104,242,991	13,623,628	6,120	122,750,987	-	122,750,987	11
57,827,876	11,310,175	-	70,989,498	-	70,989,498	12a
15,642,592	421,832	-	18,501,397	-	18,501,397	12b
73,470,468	11,732,007	-	89,490,895	-	89,490,895	13
228,937	-	-	8,080,872	-	8,080,872	14
150,286	-	-	150,362	-	150,362	15
73,849,691	11,732,007	-	97,722,129	315,150	98,037,279	16
1,024,359	4,150,474	-	5,174,833	-	5,174,833	17
18,163,150	-	-	18,163,150	12,586	18,175,736	18
2,734,189	-	-	6,366,667	-	6,366,667	19
3,916,646	-	-	4,410,304	-	4,410,304	20
15,673,285	-	-	24,227,696	302,564	24,530,260	21
2,935,948	-	-	2,935,948	-	2,935,948	22
-	-	-	6,431	-	6,431	23
44,447,577	4,150,474	-	61,285,029	315,150	61,600,179	24
26,761,004	7,084,502	-	33,845,506	-	33,845,506	25
212,825	-	-	212,825	-	212,825	26
399,297	-	-	502,380	-	502,380	27
182,693	85,205	-	255,996	-	255,996	28
3,031,295	283,411	-	3,438,398	-	3,438,398	29
- 1,185,000	128,415	-	- 1,818,005	-	- 1,818,005	30
73,849,691	11,732,007	-	97,722,129	315,150	98,037,279	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	11,708 ^r	1,470,195	3,945,106	116,876,133	15,399,267	4,479	137,706,888
February	12,080	1,296,058	3,570,110	104,242,991	13,623,628	6,120	122,750,987
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
Total year to date	23,788	2,766,253	7,515,216	221,119,124	29,022,895	10,599	260,457,875
Total February 1964	12,317	1,886,872	3,829,373	96,809,159	11,818,507	4,461	114,360,689

^r Revised figure.

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	49,686	748,340	30,206	828,232	24,216	506,391	37,863	568,470
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Total year to date	104,415	1,555,805	69,469	1,729,689	51,344	1,065,864	79,625	1,196,833
Total February 1964	52,676	478,948	18,776	550,400	29,412	318,386	37,596	385,394

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