

COLONY OF TRINIDAD AND TOBAGO



**ADMINISTRATION REPORT OF THE
PETROLEUM DEPARTMENT
FOR THE YEAR 1954**

ADMINISTRATION REPORT OF THE PETROLEUM DEPARTMENT, 1954

HONOURABLE COLONIAL SECRETARY,

I have the honour to submit for the information of His Excellency the Governor, the following report on the Petroleum and Asphalt Industries of the Colony for the year 1954.

The report is set out in the sections, tables, appendices and maps as detailed below.

THE PETROLEUM INDUSTRY

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SECTION I—ACTIVITIES OF THE OIL INDUSTRY

1. For the second year in succession the average performance per drilling rig showed an increase, the footage drilled per rig-day being 72 for 1952, 93 for 1953 and 100 for 1954. An average of 25 rigs in continuous operation drilled 911,242 feet in 1954 compared with 917,894 feet drilled in 1953 by 27 rigs.

2. The number of wells started during the year was 202 a decrease of 10 per cent. on the figure of 223 for 1953. The average depth of holes completed as oil wells was 4,526 feet in respect of 189 completions. These figures compare with an average depth of 4,170 feet for 211 productive completions in 1953.

3. The number of wells re-completed as producers increased substantially from 152 in 1953 to 256 in 1954. Thirteen (13) wells were abandoned while drilling, the same number as in the previous year. The aggregate footage of these abandoned wells was 62,450 feet representing 6.85 per cent. of the total annual footage. Six of these thirteen wells were wild cats while the remainder were outsteps from producing areas.

4. Apex (Trinidad) Oilfields Limited drilled well No. 560 in the Fyzabad area to a depth of 16,115 feet in 204 days, a new depth record for the Colony. The cretaceous was not reached by this well. No production was obtained from Oligocene and the well was finally completed in the Cruse sands.

5. Dominion Oil Limited started drilling their first well, Mahaica No. 1 in October, the work being done by a drilling contractor.

6. Trinidad Northern Areas Limited started drilling on a Marine location about 7 miles north of Cedros during August. The well was still drilling at the end of the year. This location is in about 40 feet of water with a soft mud bottom. The derrick and drilling equipment is carried on a steel platform supported on piles.

7. Statistics relative to drilling are given in Table I, Items 14–21 inclusive: the total footage drilled (Item 18) and the average depth per completed well (Item 21) are shown in graph form for a number of years in Appendix C. A summary of drilling activity is given in Table II. In Table IX a list is given of important exploratory wells and some deep exploitation wells which were being drilled during 1954. The location of each of these wells is shown on the map at Appendix "H".

8. Statistics relative to Crude oil production are shown under Items Nos. 1 and 22–27 inclusive in Table I. Items 1 and 25 are reproduced in graph form in Appendix "A". In Table III a detailed monthly breakdown of production methods is given and the annual productions contributed by the principal producing methods are graphed as a percentage of the total production in Appendix "B".

9. It will be noticed from Table I, that the production in 1954 of 23,629,329 barrels of crude oil was an increase of 5.7 per cent. over the figure for the previous year and a new record for the Colony. The daily average production per producing well (Table I, item 25) showed a very slight increase, the first for some years.

10. The production of natural gas again showed a substantial increase being 11.3 per cent. higher than the previous year (Table I items 31–34 and Table IV). The volume replaced in formation increased by 27.4 per cent.

11. Refinery throughput dropped very slightly and there were no changes or additions to the refineries of any importance. Storage capacity increased by nearly 500,000 barrels bringing the total tank capacity of the industry up to just over 11 million barrels.

12. There was little change in the volume of imports and exports of petroleum and its products. (Table I items 6–12 and Table V).

THE ASPHALT INDUSTRY

13. The following tables show the quantity of natural asphalt extracted from the Pitch Lake and the quantity of derived products exported or sold locally:—

NATURAL ASPHALT		<i>Tons</i>	<i>Tons</i>
		1953	1954
Extracted by Works and Hydraulics for local use	...	46,359	46,733
Extracted by the Company	... ..	96,884	95,368
		<hr/>	<hr/>
		143,342	142,101
		<hr/>	<hr/>

DERIVED PRODUCTS MANUFACTURED BY THE COMPANY

Exported :

Crude Asphalt	...	...	...	...	...	—	—
Dried Asphalt	...	...	...	...	...	44,376	53,271
Asphalt Cement	...	...	...	...	...	44,406	28,258
						88,782	81,529

Local Sales :

Crude Asphalt	...	...	...	...	...	4	12
Dried Asphalt	...	...	...	...	...	153	190
Asphalt Cement	...	...	...	...	...	238	175
						395	377

SECTION II—THE OIL INDUSTRY IN RELATION TO THE LOCAL ECONOMY

14. Details of the 86.8 million dollars disbursed in the Colony in 1954 by the Oil Industry are shown in Tables VI and VII.

The following table shows the contributions of the Oil Industry under each Head of Revenue listed in the Colony's Estimates. Contributions to the revenues of the Port Services, and Railway and Telegraph are shown separately in order to conform to the present form of presenting the Colony's Estimates, revenues from these two services were, however, included in the Colony's total revenue in past years, and for care of comparison with these past years, are so included in Table VI—which is set up to show pure taxation as distinct from payments to Government Department in return for various services:—

CONTRIBUTIONS BY THE OIL INDUSTRY TO THE REVENUE OF THE COLONY IN 1954

Revenue Head in Colony's Estimates	Revenue Received	Oil Industry's Contribution	Percentage Contribution by Oil Industry
<i>Ordinary Revenue</i>			
1. Customs and Excise	23,558,987	1,406,697	1.72
2. Licences and Internal revenue not otherwise classified	3,772,875	85,439	2.26
3. Taxes on Income	27,335,082	14,692,510	53.75
4. Fees and payments for specific services	1,015,738	29,578	2.91
5. County Council	916,261	199,263	21.74
6. Reimbursements	3,269,002	40,613	1.24
7. Earning of Government Departments	590,437	11,470	19.42
8. Post Office	1,296,274	47,559	3.67
9. Rent of Government property	318,000	12,175	3.85
10. Interest	865,523	—	—
11. Miscellaneous	762,723	30,797	4.04
12. Forests, Lands and Petroleum	8,799,063	8,448,538	96.01
TOTAL ORDINARY REVENUE	72,499,965	25,004,639	34.49
<i>Extraordinary Revenue</i>			
13. Land Sales	50,622	—	—
14. Loans to Public Bodies	156,744	—	—
15. Grants under Colonial Development and Welfare Organisation	927,448	—	—
16. Extraordinary	—	—	—
Total as per Colony's Financial Statement 1954...	73,634,817	25,004,639	33.95
A. Port Services	5,414,319	964,827	17.82
B. Railway and Telegraph	1,105,000	123,726	11.19

Reference to Table VI will show that the overall contribution of the Industry has been notably steady for the past three years. Revenue from Income Tax dropped slightly for the second year in succession but this was more than offset by an increased yield from Royalties, Harbour dues and Forest sales of timber.

LOCAL DISBURSEMENTS

15. The local expenditure of the Oil industry other than contributions to Government revenue (items 2-5 inclusive in Table VII) increased by 12.5 per cent. on the figure for 1953 and amounted to \$60,752,835.

16. Payments to employees increased by 6.4 per cent. to a figure of \$31,040,008. This increase is accounted for partly by an increase of 4.9 per cent. in the average daily number of registered employees (16,413 for 1954 as compared to 13,647) partly by a cost of living addition to wages of $\frac{1}{2}$ cent per hour effective from the 1st September and partly by a greater proportion of persons employed in the higher wage grades.

17. Payments to contractors showed an increase of over 27 per cent. and amounted to \$9,465,908. The estimated average daily number of persons employed through contractors was 3,321 an increase of 24.8 per cent. on the figure for 1953.

18. Local purchases of materials increased by nearly 20 per cent. to a figure of \$7,026,657. This is almost wholly accounted for by the increased volume of goods purchased—higher prices contributing only a small proportion of the increase.

EXPORTS OF PETROLEUM AND ITS PRODUCTS

19. The total values of petroleum and its products exported during 1953 and 1954 based on Customs and Excise Department figures are:—

	1953	1954
Crude Oil and Products	\$188,255,575	\$184,896,271
Petroleum Bitumen	6,093,337	8,344,127
Totals ...	\$194,348,912	\$193,240,398

20. The value of the leading staple products exported from the Colony during 1953 and 1954 is shown in the following table:—

	1953 Value	1954 Value	Percentage of Total
	\$	\$	
1. Petroleum (including products from imported crude) ...	188,255,575	184,896,271	71.84
2. Petroleum bitumen	6,093,337	8,344,127	3.24
3. Asphalt and its products	4,103,319	3,769,118	1.47
4. Cocoa	11,720,936	15,048,059	5.85
5. Sugar, Molasses and Rum	27,167,495	29,347,738	11.40
6. Coconuts, Coconut oil, &c.	799,175	617,513	.24
7. Coffee	1,840,509	3,860,043	1.50
8. Bitters	681,238	677,302	.26
9. Fresh fruits, &c.	3,704,123	2,424,968	.94
10. All others	6,892,492	8,393,234	3.26
TOTALS	251,258,199	257,378,373	100.00

21. The value of each of the more important products exported annually is shown in Appendix "E" graphed as a percentage of the total annual value of the Colony's exports.

22. Harbour dues on petroleum cargoes (14 cents per ton) increased by 7.8 per cent. from \$809,507 to \$872,334, because until recently the crude produced was not valued for royalty purposes in the same way on the two types of lease.

SECTION III—ADMINISTRATION

ROYALTY ASSESSMENT

23. In reporting production and royalty figures in previous administration reports of this Department a distinction was made between old-type leases and leases issued under the Land (Oil Mining) Regulations (after 20th December, 1934). This distinction has been discontinued since several old-type leases were surrendered and replaced as from 1st January, 1954 by new leases. Only two old-type leases remain and it is expected that they also will be surrendered shortly.

24. The data used to evaluate crude oil for crown royalty assessment for each of the last four half-yearly royalty periods together with the royalty rate on casing head petroleum spirit for each of those periods are shown in the following:—

PRODUCT	Average Price in B.W.I. Currency per barrel of 34.9726 Imperial Gallons for the half-year period ended:—			
	31.12.54	30.6.54	31.12.53	30.6.53
Bunker C Grade Fuel	\$ 3,169,935	\$ 3,154,449	\$ 3,160,901	\$ 2,650,026
No. 2 Fuel	6,004,670	5,898,801	5,917,844	5,744,127
43-47 D.I. Gas Oil	5,999,782	5,949,743	6,029,484	5,797,056
48-52 D.I. Gas Oil	6,089,739	6,023,929	6,105,534	5,886,097
53-57 D.I. Gas Oil	6,193,386	6,123,338	6,195,236	5,972,665
70-72 Oct. M. Leaded Motor Gasoline	6,807,444	6,899,328	7,350,627	7,178,674
Average Middle Rate for sight drafts on New York premium in B.W.I. cents per \$1.00 U.S. ...	71.347,826	70.510,773	70,859,511	70.543,923
Value of Tetra Ethyl lead in B.W.I. cents per Millilitre	0.456,349	0.457,021	0.457,791	0.457,791
Royalty in B.W.I. cents per gallon on casing head petroleum spirit	1.910,091	2.00,215	2.182,674	2.094,524

25. It will be noticed that during the second half of 1954 prices for all products except motor gasoline recovered or nearly recovered the slight fall in value which took place earlier in the year.

26. In paragraph 41 of this Department's Administration Report for 1953 figures were given for the average value by half-year periods of all Crown royalty crude assessed for royalty or taken in kind which was valued by reference to the average prices of its components. Those figures will be found to be slightly higher than the ones given as average values for the same periods in the following table.

27. The reason for the slight differences is that the previously published figures referred only to crown oil which had been evaluated on the results of an analysis. They did not include certain production which was subject to a very low and fixed royalty rate which was not related to the quality of the oil. The averages in the following table include this fixed royalty crude.

28. Total royalties (including oil taken in kind and sold to the lessees) assessed in 1954 in respect of the period 1st July, 1953 to 30th June, 1954 on crude oil and casing head petroleum spirit produced, on gas sold and for dead rent (minimum royalty on non-productive leases) amounted to \$8,283,578.92 as compared to \$7,019,485.98 assessed for the previous twelve months.

29. Of this substantial increase amounting to \$1,264,092.94 about \$349,800.00 is of a wind-fall nature being a back-log of dead rentals assessed in the first half of the year on leases issued during the year but ante-dated.

30. The following Table summarises the data relating to *all* crude oil won from crown oilrights, that produced on leases issued under the Land (Oil Mining) Regulations, crude oil taken in kind and sold to the lessees, crude oil from encroachments on crown oilrights, and certain crudes subject to a reduced rate of royalty.

Period	BARRELS AS PER STATISTICAL RECORDS			Actual quantity assessed and/or sold Barrels	Average value per \$ B.W.I.	Revenue \$ B.W.I.
	Gross Production Barrels	Free of Royalty Barrels	Net Production Barrels			
1951						
January-June	8,014,578	84,308	7,930,270	793,208	3.81.66	3,027,335.76
July-December	8,247,428	83,877	8,163,551	816,525	3.84.03	3,135,725.91
1952						
January-June	8,109,349	86,079	8,023,270	802,488	3.77.34	3,028,084.03
July-December	8,535,526	99,965	8,435,561	843,723	3.54.91	2,994,439.44
1953						
January-June	8,717,725	125,179	8,592,546	859,424	3.59.78	3,092,057.46
July-December	9,028,712	129,683	8,899,029	890,067	3.94.83	3,514,252.66
1954						
January-June	9,097,256	119,429	8,977,827	897,948	3.89.92	3,501,249.21
July-December	9,630,520	105,349	9,525,171	952,700	3.98.54	3,796,844.34

NOTES: (a) Statistical Volumes of gross production, F.O.R. &c., are mainly reported at 34.9726 Imperial Gallons per barrel but include some volumes reported at 35 Imperial Gallons per barrel. Royalty quantities are all at 34.9726 Imperial Gallons per barrel.

(b) For details of prices and analyses, see Table X.

31. In addition to the above royalties on crude oil, the following table shows the amounts assessed for all Crown Mining Leases on natural gas sold, casing head petroleum spirit recovered and minimum royalties paid on leases with small or no production.

Period	NATURAL GAS SOLD		NET C.H.P.S. RECOVERY		Minimum Royalties \$
	Volume (M.C. Ft.)	Royalty \$	Volume (Imp. gal.)	Royalty \$	
1951					
January-June	1,556,362	44,966.22	2,175,689	38,722.50	203,385.93
July-December	1,724,055	50,177.80	2,226,815	40,379.39	187,983.38
1952					
January-June	1,308,661	35,246.66	2,335,395	45,268.37	188,750.43
July-December	1,543,456	41,839.65	2,226,876	44,005.69	458,709.60
1953					
January-June	1,552,077	39,011.06	2,132,337	44,780.68	304,642.40
July-December	2,153,653	43,508.08	2,381,122	56,846.81	301,050.16
1954					
January-June	1,762,135	31,214.82	2,971,420	55,852.63	779,604.55*
July-December	2,326,071	43,460.97	2,984,834	54,761.07	361,553.29

* Includes \$349,367.94 retroactive rents.

32. The total royalty assessed during 1954 in respect of the two half-yearly royalty periods ended respectively on 31st December, 1953 and 30th June, 1954 was \$8,295,234.24. The amount collected by the Accountant General during the year in respect of royalties was \$8,297,438.35, the reconciliation between the two figures being as follows:—

Amount collected by the Accountant General	...	...	...	...	\$8,297,438.35
<i>Add :</i>					
<i>Minimum rents for 2nd half of 1953</i>					
<i>paid in advance</i>					
Kern Trinidad Oilfields, Ltd.	...	\$	576.00		
Siparia Trinidad Oilfields, Ltd.	...		23,373.76		
Trinidad Central Oilfields, Ltd.	...		7,920.00		
Trinidad Leaseholds, Ltd.	...		100,070.53	...	\$131,940.29
<i>Amounts due :</i>					
Estate of T. Roodal	...		\$2,700.20		
Trinidad Leaseholds, Ltd.	...		47.83		
Trinidad Northern Areas, Ltd.	...		0.01	...	\$ 2,748.04
					\$ 134,688.33
					\$8,432,126.68
<i>Deduct :</i>					
<i>Arrears of Royalty paid :</i>					
Apex (Trinidad) Oilfields	...	\$	60.94		
Estate of T. Roodal	...		6,862.36	...	\$ 6,923.30
<i>Minimum Rents due in 1955</i>					
<i>but paid in 1954 :</i>					
K.T.O., Ltd.	...	\$	1,152.00		
Siparia Trinidad Oilfields	...		23,373.76		
Trinidad Central Oilfields	...		7,920.00		
Trinidad Leaseholds, Ltd.	...		97,521.32	...	\$129,967.08
<i>Amounts overpaid :</i>					
Trinidad Pet. Dev. Co., Ltd.	...	\$	2.04		
U.B.O.T., Ltd.	...		.02	...	\$ 2.06
					\$ 136,892.44
TOTAL AMOUNT ASSESSED IN 1954	...	...	...	...	\$8,295,234.24
<i>Details of Assessment :</i>					
Half-year ended 31st December, 1953	...	\$3,926,887.88			
Half-year ended 30th June, 1954	...	\$4,018,553.27			
<i>Add :</i>					
Dead Rents assessed and collected					
in 1954 on Mining Leases issued					
in 1954 but ante-dated	...	\$	349,793.09		
			\$8,295,234.24		\$8,295,234.24

LOCAL SALES OF PETROLEUM PRODUCTS

33. In response to a strong demand for a higher quality motor gasoline in Trinidad and the other West Indian markets supplied from Trinidad the 79 octane gasoline which was the only grade being marketed was replaced as from the 16th August by 83 octane gasoline. The refinery price of the 83 octane grade was 0.513 cents B.W.I. higher than that of the 79 octane grade. This increase was absorbed by the Price Stabilization Fund the local retail price of gasoline remaining at 43 cents per Imperial gallon throughout the year. The price of kerosene remained unchanged at 26 cents per Imperial gallon. At the 31st December, 1954 the Stabilization Fund stood at \$61,138.43.

34. Excisable sales of gasoline amounted to 20,937,124 gallons which at 9 cents per Imperial gallon excise duty yielded a revenue of \$1,884,341.16. This is an increase of 10.24 per cent. in both volume of sales and revenue over the figure for the previous year. The rapid annual increase in gasoline sales reflects the steadily increasing number of vehicles on the roads.

35. Kerosene sales (excise free) at 5,656,737 gallons increased by 11.28 per cent. over the previous year. Sales of aviation spirit (free of excise) amounted to 2,794,460 gallons, an increase of 5.4 per cent. over the previous year.

ACCIDENTS

36. The number of serious accidents reported during the year (46) showed a satisfactory decline compared to the figure for the last year (68). Drilling and production rigs accounted for 23 while 20 occurred in other departments of the industry. Three fatal accidents occurred. Two were due to electrocution, while one was the result of the collapse of a small steel derrick on a water well.

LEGISLATION

37. The Submarine (Oil Mining) Regulations, 1945 were amended twice during the year. The Submarine (Oil Mining) (Amendment) Regulations, 1954, were published as Government Notice No. 138 in a supplement to the *Royal Gazette* dated 19th August, 1954. This amendment repealed certain provisions in the principal regulations relating to the application for a licence by an alien or a company incorporated outside Her Majesty's Dominions. It also added a new subsection to Regulation 13. This provided that where any alien or company incorporated outside Her Majesty's Dominions applies for a licence or where any licensee applies for the Governor's consent to the assignment of a licence to an alien or alien company the Governor may make it a condition of the licence that at any time after the expiration of five years from the date of the first commercial export of oil from the Colony by the licensee, unless he can show that he will incur substantial tax disabilities through being required to do so, may be required by the Governor to form a locally incorporated subsidiary company to conduct all operations under the licence.

38. In a supplement to the *Royal Gazette* dated 9th December, 1954, the Submarine (Oil Mining) (Amendment No. 2) Regulations, 1954, were published as Government Notice No. 179 and the Land (Oil Mining) (Amendment) Regulations, 1954, were published as Government Notice No. 180. These amendments repealed and replaced certain provisions respectively in the form of submarine oil mining licence and in the forms of Crown oil mining lease relating to the payment of dead rent and of royalties in order to bring these provisions into line with royalty assessment procedure and accounting practice.

39. The Oil Rights (Alien Control) Ordinance, Ch. 21. No. 2 was amended by the Oil Rights (Alien Control) Amendment Ordinance, No. 43 of 1954, which was published as a supplement to the *Royal Gazette* dated 31st December, 1954, and which came into effect on that date. The original Ordinance empowered the Governor not only to attach conditions to a licence but also, after issuing a licence, to add new conditions or to cancel or vary the original conditions after giving reasonable notice. The last provision appeared likely to deter Aliens who otherwise might invest money in the colony in oil exploration and development. Accordingly the provision was removed by repealing section 4 (4) (b) (with reference to oil rights) and section 6 (3) (b) (with reference to surface rights).

40. New sections were added providing respectively that a licence issued under this Ordinance may be in respect of more than one parcel of land and that the Governor in Council may fix a scale of fees to vary in accordance with the area included in the licence.

Section 3 (3) of the Ordinance which exempted from its provisions oil rights held under a lease or licence granted under the Land (Oil Mining) Regulations was extended to include oil rights held under a licence granted under the Submarine (Oil Mining) Regulations.

OIL MINING LEASES AND LICENCES

41. The area of crown oil rights over which applications for mining leases were received during the year fell considerably below that for the previous year. Leases were issued over 85,434 acres during the year (as compared to 119,677 acres in 1953) but the greater part of this area was covered by applications which had been outstanding for some time.

42. The area of private oil rights under lease increased by 80,598 acres during the year rising to 211,454 acres on the 31st December, 1954.

Six leases of an obsolete type were surrendered for new leases covering the same areas but in the present standard form of lease.

43. The practice of printing oil mining leases for sale by the Government Printer to interested parties was discontinued since it was found that the demand was too small to cover the cost of printing. From the 1st January, 1954 for the purposes of official record and public information a brief notice was published in the *Royal Gazette* giving the name of the lessee, the commencing date of the lease, its area and registered number together with a plan of the leased area.

44. A summary of leasing activity during the year is shown in the following paragraph and is followed by details of individual leases and licences issued, surrendered and outstanding. Changes in Companies holdings are shown in Table VIII.

Summary of leasing activity during 1954:—

	No. of Leases or Licences	CROWN OIL RIGHTS—ACREAGE					
		Private Surface			Crown Surface		
		A.	R.	P.	A.	R.	P.
Principal Leases at 31st December, 1953 ...	103	93,780	1	13½	261,508	2	12
Changes in acreage on Re-issue of certain leases ...	—	+ —	—	05	+ 5	1	31
Corrected acreage at 31st December, 1953...	—	93,780	1	18½	261,514	0	03
Principal Leases issued during 1954 ...	31	11,315	1	16½	72,952	1	32
Supplementary Leases issued during 1954 ...	—	160	3	16	1,005	1	38
	134	105,256	2	11	335,471	3	33
Surrendered during 1954 ...	7	4,720	3	39½	19,836	1	23
Principal Leases as at 31st December, 1954 ...	127	100,535	2	11½	315,635	2	10
Exploration Licences at 31st December, 1953 ...	5	—	—	—	24,739	1	25½
Exploration Licences issued during 1954 ...	4	—	—	—	65,694	0	18
	9	—	—	—	90,433	2	03½
Converted to Oil Mining Lease ...	—	—	—	—	1,201	2	12
Surrendered during 1954 ...	—	—	—	—	—	—	—
Exploration Licences as at 31st December, 1954 ...	9	—	—	—	89,231	3	31½
Submarine Licences as at 31st December, 1953 ...	6	—	—	—	991,261	0	00
Submarine Licences issued during 1954 ...	—	—	—	—	—	—	—
Supplementary Submarine Licences issued during 1954 ...	—	—	—	—	6,652	0	00
Surrendered during 1954 ...	—	—	—	—	—	—	—
Submarine Licences as at 31st December, 1954 ...	6	—	—	—	997,913	0	00

Details of the leasing summary in the preceding paragraph are given in the following Tables:—

Crown Oil Mining Leases Registered during 1954:—

Mining Leases	No.	Locality	CROWN OIL RIGHTS—ACREAGE						
			Private Surface			Crown Surface			
			A.	R.	P.	A.	R.	P.	
<i>(A) Principal Leases :—</i>									
Antilles Reg. No. 416/54 ...	—	Ortoire and Guayaguayaro	—	—	—	8,343	1	03	
417/54 ...	—	Ortoire and Moruga	—	—	—	10,218	1	06	
10266/54 ...	3	Savana Grande ...	—	—	—	39	2	05	
Apex Reg. No. 5747/54 ...	—	Tamana	—	—	—	8,720	2	05	
8161/54 ...	—	Tamana	—	—	—	187	0	07	
12110/54 ...	3	Tamana	778	2	18	827	0	15	
D.O.L. Reg. No. 3379/54 ...	—	Cocal	19	1	35	113	1	05	
6938/54 ...	—	Turure and Cocal	1,242	1	37	—	—	—	
8301/54 ...	—	San Rafael	—	—	—	1,201	2	12	
9094/54 ...	—	Arima	745	2	07	—	—	—	
9240/54 ...	—	Cedros	140	2	01	—	—	—	
10638/54 ...	—	San Rafael	—	—	—	3,589	0	36	
10696/54 ...	—	Cunupia	325	2	36	—	—	—	
10725/54 ...	8	San Rafael	1,754	1	11	37	1	26	
T.C.O. Reg. No. 10588/54 ...	1	Central Range	—	—	—	6,996	2	31	
T.L.L. Reg. No. 6687/54 ...	—	La Brea and Siparia	—	—	—	3,703	0	01	
7614/54 ...	—	Moruga	42	3	07	67	1	34	
7622/54 ...	—	Siparia	—	—	—	82	0	15	
9685/54 ...	—	Moruga	—	—	—	2,360	0	00	
11091/54 ...	5	Savana Grande	18	1	22	16	1	38	
T.N.A. Reg. No. 4433/54 ...	—	Charuma	—	—	—	8,017	0	21	
4655/54 ...	2	Montserrat	—	—	—	839	2	06	
T.P.D. Reg. No. 4653/54 ...	—	Moruga	10	0	00	—	—	—	
4656/54 ...	—	Moruga	—	—	—	161	2	16	
5830/54 ...	—	Moruga	1,368	0	32	120	1	17	
5831/54 ...	—	La Brea	—	—	—	46	1	39	
7248/54 ...	5	Central Range	29	2	15	—	—	—	
U.B.O.T. Reg. No. 286/54 ...	—	Charuma and Cocal	118	2	36	2,323	1	04	
419/54 ...	—	Nariva	—	—	—	5,804	1	19	
11661/54 ...	—	Siparia	4,297	0	34½	147	2	23	
11662/54 ...	4	La Brea and Erin	423	3	05	8,989	0	08	
TOTAL ...	31		11,315	1	16½	72,952	1	32	
<i>(B) Supplemental Leases :—</i>									
T.P.D.									
Reg. No. 7759/54	Supp. to 3451/35	1	Siparia	12	0	14	29	1	03
Dominion									
9114/54	837/53	—	Cocal	—	—	—	75	0	00
10656/54	3379/54	2	Cocal	14	2	15	—	—	—
U.B.O.T.									
418/54	6763/52	—	Cocal	52	3	03	59	1	07
11663/54	6763/52	—	Cocal and Charuma	—	—	—	499	3	28
4019/54	419/54	—	Ortoire	—	—	—	300	0	00
12501/54	419/54	—	Nariva	—	—	—	42	0	00
12500/54	2580/38	5	Cocal and Charuma	81	1	24	—	—	—
TOTAL ...		8		160	3	16	1,005	1	38
<i>(C) Surrendered Leases :—</i>									
T.C.O. Reg. No. 2049/29		1	Central Range	—	—	—	6,996	2	31
T.L.L. Reg. No. 3472/33		1	La Brea and Siparia	—	—	—	3,703	0	01
U.B.O.T. Reg. No.									
1391/36		—	La Brea and Guapo	—	—	—	1,998	1	04
3090/16		—	La Brea	1,101	1	28	5,957	2	02
1589/26		—	La Brea and Erin	83	2	01	916	1	23
1815/36		—	La Brea	340	1	04	138	2	05
2413/37		5	Siparia	3,195	3	06½	125	3	37
TOTAL ...		7		4,720	3	39½	19,836	1	23

Exploration Licence issued during 1954:—

							No.	CROWN OIL RIGHTS		
								Crown Surface		
								A.	R.	P.
Apex	Reg. No.	4018/54	...	...	...	...	1	461	0	00
Dominion	Reg. No.	5538/54	...	...	...	...	—	63,109	2	14
		5539/54	...	...	...	...	—	816	1	22
		4432/54	...	...	...	...	3	1,307	0	22
TOTAL							4	65,694	0	18
<i>Converted to Mining Lease:—</i>										
		Dominion Reg. No. 8301/54 part of 5538/54	...	...	...	...	—	1,201	2	12
<i>Submarine Licences issued during 1954:—</i>										
		Principal Licence issued	...	...	...	...	—	—	—	—
		Supplemental Licence No. 4298/54 to 4056/52	...	...	...	...	1	6,652	0	00
TOTAL							1	6,652	0	00
<i>Submarine Licences Surrendered during 1954:—</i>										
							—	—	—	—

Applications for Oil Mining Leases and Licences outstanding at 31st December, 1954:—

			No.	Locality	CROWN OIL RIGHTS						
					Private Surface			Crown Surface			
					A.	R.	P.	A.	R.	P.	
<i>A. Mining Leases:</i>											
Apex											
L. & S.:	950/51	1	Erin	...	—	—	—	4,213	0	19	
Premier											
L. & S.:	630/54	1	Siparia and Moruga	...	—	—	—	73	1	28	
T.N.A.											
L. & S.:	827/51	—	Charuma and Pointe-a-Pierre	...	—	—	—	1,778	0	00	
L. & S.:	841/54	2	La Brea	...	—	—	—	31	0	00	
T.L.L.											
L. & S.:	954/46	—	Naparima and Savana Grande	...	173	1	21	20	1	10	
L. & S.:	794/51	—	Savana Grande	...	—	—	—	159	0	01	
L. & S.:	1058/52	—	La Brea	...	16	3	34	4	1	33	
L. & S.:	1270/53	—	Siparia and Moruga	...	95	1	20	55	0	07	
L. & S.:	501/54	—	Naparima and Savana Grande	...	4	2	00	15	1	01	
L. & S.:	947/52	6	Cocal	...	—	—	—	1,562	0	00	
T.P.D.											
L. & S.:	815/51	—	Savana Grande	...	—	—	—	20	0	03	
L. & S.:	54/53	2	Cedros	...	363	0	26	66	0	37	
U.B.O.T											
L. & S.:	1184/49	1	Ortoire	...	—	—	—	2,888	0	00	
Dominion											
L. & S.:	428/52	—	Northern Basin	...	24,443	0	00	—	—	—	
L. & S.:	1232/52	—	Charuma and Cocal	...	7,889	0	00	—	—	—	
L. & S.:	1082/53	—	Cocal and Turure	...	171	1	14	157	0	34	
L. & S.:	1147/54	—	St. Ann's	...	6	0	33	—	—	—	
L. & S.:	1126/54	—	Caroni	...	369	3	07	195	3	00	
L. & S.:	740/54	—	Arima	...	54	2	01	168	3	23	
L. & S.:	739/54	—	Arima and Cedros	...	—	—	—	21,803	0	39	
L. & S.:	1356/54	—	Ortoire and Cedros	...	471	3	07	76	3	18	
L. & S.:	717/54	—	Cedros	...	138	0	12	696	0	34	
L. & S.:	1386/54	—	Tamana	...	266	2	06	136	3	15	
L. & S.:	1165/54	11	Cunupia	...	—	—	—	104	3	31	
TOTAL			24	34,463	2	21	34,225	3	13

B.—Supplemental Leases:—

	No.	Locality	CROWN OIL RIGHTS					
			Private Surface			Crown Surface		
			A.	R.	P.	A.	R.	P.
Apex L. & S.: 1305/54	1	Cocal and Charuma ...	—	—	—	198	3	39
D.O.L. L. & S.: 1254/54	—	St. Ann's ...	24	2	08	—	—	—
L. & S.: 64/54	2	Nariva ...	—	—	—	87	0	00
K.T.O. L. & S.: 431/53	1	La Brea ...	8	0	23	1	0	33
S.T.O.L. 579/54	1	Siparia ...	—	—	—	21	1	01
T.L.L. L. & S.: 663/53	1	Savana Grande ...	16	1	10	—	—	—
T.P.D. L. & S.: 1200/53	—	Mayaro ...	—	—	—	25	0	13
L. & S.: 670/54	2	Savana Grande ...	—	—	—	5	2	36
U.B.O.T. L. & S.: 976/51	—	Ortoire ...	—	—	—	24	2	36
L. & S.: 916/43	—	Ortoire ...	—	—	—	569	1	34
L. & S.: 1207/53	—	Cocal and Charuma ...	—	—	—	142	3	05
L. & S.: 351/54	—	Foreshore-La Brea ...	—	—	—	45	0	00
L. & S.: 551/52	5	Cocal ...	55	3	30	168	2	19
TOTAL ...	13		103	3	31	1,289	3	16
<i>C. Exploration Licences</i>								
D.O.L. L. & S.: 1219/52	—	Charuma and Cocal ...	—	—	—	5,456	0	00
L. & S.: 713/52	2	Northern Basin ...	—	—	—	7,167	0	00
TOTAL ...	2		—	—	—	12,623	0	00
<i>D. Marine Licences</i>								
D.O.L. L. & S.: 9/52	1	Port-of-Spain Harbour ...	—	—	—	24,960	0	00
TOTAL OF ALL OUTSTANDING APPLICATIONS ...	29		34,567	2	12	73,098	2	29

SUMMARY OF ALL LEASED OIL AREAS

Crown Oil Rights:

1. Principal Leases issued as at 31st December, 1954 (Crown Surface) ...	...	A.	R.	P.
2. Principal Leases issued as at 31st December, 1954 (Private Surface) ...	...	315,635	2	10
3. Exploration Licences issued as at 31st December, 1954 ...	...	100,535	2	11½
4. Marine Licences issued as at 31st December, 1954 ...	...	89,231	3	31½
4. Marine Licences issued as at 31st December, 1954 ...	...	997,913	0	00
5. Acreage under lease and licence ...	...	1,503,316	0	13
6. Principal Leases applied for but not issued prior to 31st December, 1954 (Crown Surface) ...	...	73,098	2	29
7. Principal Leases applied for but not issued prior to 31st December, 1954 (Private Surface) ...	...	34,567	2	12
		1,610,982	1	14

Private Oil Rights

8. Private Oil Rights under lease as at 31st December, 1954 ...	...	211,454	1	13½
9. Total Acreages on Oil Lands ...	...	1,822,436	2	27½

IRON ORE

45. Some interest was displayed during the year in the lease over about 2,710 acres of the Northern Range issued to Mr. S. S. Douglas for the purpose of prospecting for metaliferous ores. The Fenimore Iron Company Ltd., of Canada sent their consulting geologist, Dr. Joseph A. Retty to make an examination of the property in September, 1954. In February, 1955, Cyprus Mines Corporation sent Mr. Lendall P. Warriner to make a report on the area. Excerpts from Mr. Warriner's factual findings in the area of the headwater of the Maracas river are as follows:—

“Investigations disclosed a belt of thin bedded sandstones of the Maracas formation striking on the average N.80°W and dipping at .45 per cent. containing conformable bands of magnetite with accessory hematite up to 18 inches in width. The mineralized zone is perhaps 2,000 feet wide and of unknown strike length, but at least 2 miles, cutting the divide between the Maracas and Gasparillo valleys immediately south of the summit of La Vigie. The iron minerals occur as bending lenses and concentrated along fractures and joint planes.

The weathering resistant character of the magnetite causes it to appear as abundant float boulders down the slopes and concentrated in the beds of the mountain streams. The best section noted was a width of 12 feet running perhaps 20 per cent. magnetite. The magnetite bands may be fossil strand line deposits, in as much as no evidence could be adduced to support the theories of hydro thermal introduction or derivation from dynamic metamorphism."

The opinions of these two investigators as to the economic prospects of the area have not been made available to Government.

46. The mineralized zone referred to by Mr. Warriner was also examined by local geologists. It does not appear to be rich enough to warrant the expense of the geophysical survey and core-drilling which would be necessary to completely assess its value. It might be possible to collect enough boulders of ore on or near the surface to make one or two small shipments at a profit but these boulders are residuary only and would not support a large scale operation.

STAFF

47. The staff of the Department at 31st December, 1954, was as follows:—

W. N. FOSTER	...	...	...	Petroleum Technologist
I. S. RUTHERFORD	...	...	...	Assistant Petroleum Technologist
J. BURSLEM	...	...	...	2nd Assistant Petroleum Technologist
J. D. BACK	...	...	...	Inspecting Officer
G. M. COOLMAN	...	...	...	Chief Draughtsman
G. E. R. LATOUR	...	...	...	Principal Officer
W. M. SAMLALSINGH	...	...	...	Senior Clerk
P. B. RAMROOP	...	...	...	1st Class Clerk
I. R. PHILLIPS	...	...	...	2nd Class Clerk
G. E. MOSE	...	...	...	2nd Class Clerk
J. CHARLES	...	...	...	2nd Class Clerk
E. DOUGLAS	...	...	...	Messenger, Grade II
VACANT	...	...	...	Geologist
VACANT	...	...	...	Stenographer, Grade II

I have much pleasure in recording the very able and willing assistance I have received from the members of the Staff.

W. N. FOSTER
Petroleum Technologist

TABLE I
ANNUAL STATISTICS OF PRODUCTION, DRILLING, EXPORTS AND IMPORTS

Item	Unit	1954	% difference 1954/53	1953	1952	1951	1950	1949	1948	1947	1946
PRODUCTION											
1 Crude Oil	1,000's bbls.	23,629	+ 5.7	22,346	21,258	20,843	20,632	20,617	20,107	20,433	20,142
2 Natural Gasoline	do.	290	+ 9.8	264	204	201	185	168	182	181	187
3 TOTAL CRUDE OIL AND NATURAL GAS	do.	23,919	+ 5.8	22,610	21,462	21,044	20,817	20,785	20,289	20,614	20,329
4 From Crown Oil Rights	do.	18,902	+ 5.6	17,899	16,732	16,397	16,300	16,288	15,309	15,373	15,541
5 From Private Oil Rights	do.	5,017	+ 6.5	4,711	4,680	4,647	4,517	4,497	4,980	5,241	4,788
6 TOTAL IMPORTS	1,000's bbls.	17,071	+ 1.2	16,860	17,028	16,347	11,258	11,678	8,882	5,917	2,933
7 Imports of Refined Products	do.	36	+ 71.4	21	32	36	23	25	22	21	40
8 Imports of Crude Oil for Refining	do.	16,670	- 0.2	16,696	16,722	15,855	11,214	11,333	8,840	5,896	2,893
9 Imports of Other Oils for Refining and Blending	do.	365	+ 155.2	143	274	456	21	320	20	-	-
10 TOTAL EXPORTS	1,000's bbls.	36,954	+ 2.0	36,220	34,778	34,359	29,150	29,745	26,552	23,092	20,687
11 Exports of Crude Oil	do.	3,398	+ 70.0	1,999	1,844	1,918	2,194	2,037	1,706	881	263
12 Exports of Refined Products	do.	33,556	- 2.0	34,221	32,934	32,441	26,956	27,708	24,846	22,211	20,424
13 Refinery throughput (Crude and Natural Gas)	1,000's bbls.	36,918	- 1.4	37,446	36,041	35,160	29,813	29,617	27,074	25,281	22,713
14 Number of Wells started	As stated	202	- 9.4	223	187	144	149	146	145	162	124
15 TOTAL NUMBER OF DRILLING WELLS COMPLETED	As stated	202	- 9.8	224	182	140	144	144	141	157	108
16 Number of Drilling Wells completed as oil wells	do.	189	- 10.4	211	177	131	136	130	134	141	104
17 Number of Drilling Wells abandoned while drilling (Dry holes, &c.)	do.	13	0.0	13	5	9	8	14	7	16	4
18 TOTAL FOOTAGE DRILLED (ALL WELLS)	Feet	911,242	- 0.7	917,894	736,535	664,887	659,565	630,209	638,681	644,689	533,209
19 Footage drilled on Crown Oil Rights	do.	684,128	- 10.1	733,401	578,031	521,751	524,374	451,624	489,987	446,798	406,017
20 Footage drilled on Private Oil Rights	do.	227,114	+ 38.1	164,493	158,504	143,136	135,191	178,585	148,694	197,891	127,192
21 AVERAGE DEPTH OF COMPLETED DRILLING WELLS (Item 15)	Feet	4,455	+ 5.9	4,206	4,236	4,481	4,436	4,065	4,259	4,155	4,772
22 TOTAL NUMBER OF WELLS PRODUCING (average during year)	As stated	2,674	+ 5.4	2,536	2,407	2,280	2,197	2,089	2,015	1,876	1,820
23 Number of Wells producing by flowing (average during year)	do.	692	+ 8.3	639	594	584	594	616	629	625	615
24 Number of Wells producing by Artificial Lift (average during year)	do.	1,982	+ 4.5	1,897	1,813	1,696	1,603	1,473	1,384	1,251	1,205
25 AVERAGE DAILY PRODUCTION DURING YEAR PER PRODUCING WELL	Barrels	24.2	+ 0.4	24.1	24.1	25.1	25.7	27.0	27.3	30.0	30.4
26 Average daily production during year per flowing well	Barrels	51.0	+ 2.4	49.8	47.3	48.5	50.2	51.9	50.7	54.2	55.0
27 Average daily production during year per artificial well	do.	14.8	- 4.5	15.5	16.6	17.0	16.6	16.6	16.7	17.8	17.9
28 TOTAL VALUE OF DOMESTIC EXPORTS	000 \$	257,178	+ 2.4	251,258	223,331	207,584	167,562	131,790	127,105	82,262	57,572
29 TOTAL VALUE OF PETROLEUM AND ITS PRODUCTS	do.	193,240	- 0.6	194,359	175,490	161,859	129,183	99,166	96,287	63,050	43,046
30 TOTAL VALUE OF ASPHALT AND ITS PRODUCTS	do.	3,769	- 8.1	4,103	5,981	3,989	2,669	3,011	2,946	1,773	1,739
31 TOTAL NATURAL GAS PRODUCED	Millions of Cubic Feet	38,494	+ 11.3	34,597	31,503	31,725	32,312	32,287	30,697	29,618	27,169
32 Used as Fuel	do.	18,179	+ 2.8	17,677	16,870	16,616	16,771	17,270	16,430	14,371	14,190
33 Replaced in Formation	do.	3,227	+ 27.4	2,532	2,786	2,590	2,674	2,387	1,241	902	807
34 Losses, Not Collected, Vented, &c.	do.	17,088	+ 18.8	14,388	11,847	12,519	12,867	12,630	13,026	14,345	12,172

TABLE II
MONTHLY ANALYSIS OF DRILLING WELLS FOR THE YEAR 1954

MONTH	Average No. of Rigs Running	No. of New Wells Started	No. of Old Wells Abandoned	No. of Oil Wells Recom- pleted	DRILLING WELLS COMPLETED						MONTHLY FOOTAGE DRILLED			Average Footage drilled per day
					Completed as Oil Wells		Abandoned while drilling				Crown Oil Rights	Private Oil Rights	Total	
							Dry holes		Technical causes					
					No.	Aggregate Depth in Feet	No.	Aggregate Depth in Feet	No.	Aggregate Depth in Feet	No.	Aggregate Depth in Feet		
JANUARY	26	19	2	18	15	52,906	1	6,023	—	—	55,529	26,964	82,493	2,661
FEBRUARY	26	15	1	6	13	56,569	2	8,753	—	—	43,795	16,161	59,956	2,141
MARCH	25	14	2	16	18	84,018	2	13,288	—	—	57,304	17,279	74,583	2,406
APRIL	24	16	2	27	12	57,100	—	—	—	—	53,022	21,748	74,770	2,492
MAY	26	17	3	26	17	74,495	—	—	—	—	57,290	18,890	76,180	2,457
JUNE	24	16	4	30	20	91,098	—	—	—	—	41,623	23,556	65,179	2,173
JULY	23	16	3	26	13	59,218	—	—	—	—	54,396	26,071	80,467	2,596
AUGUST	22	17	3	26	19	77,196	2	8,727	—	—	52,532	16,230	68,762	2,218
SEPTEMBER	24	19	3	24	16	86,756	2	8,328	—	—	61,999	20,514	82,513	2,750
OCTOBER	26	21	4	17	16	69,079	1	5,520	—	—	68,165	14,010	82,175	2,739
NOVEMBER	25	17	1	24	16	62,541	1	3,711	—	—	67,559	12,870	80,429	2,681
DECEMBER	26	15	2	16	14	66,592	2	8,100	—	—	70,914	12,821	83,735	2,701
TOTALS AND AVERAGES ...	Average 25	202	30	256	189	837,568	13	62,450	—	—	684,128	227,114	911,242	Average 2,497

Average depth of drilling wells completed=4,455 feet.

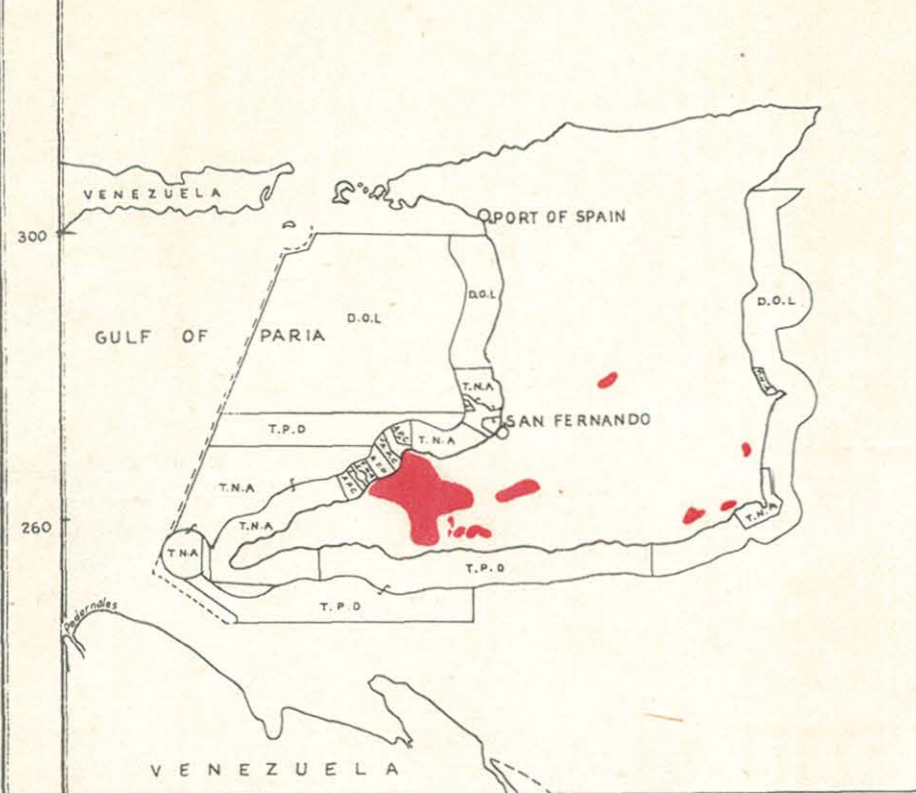
TABLE IIIA
ANALYSIS OF PRODUCTION FOR 1954 BY OPERATING COMPANIES
(All crude oil quantity figures are for dry oil)

NAME OF COMPANY	FLOWING		GAS/AIR LIFT		PUMPING		PLUNGER LIFT		OTHER METHODS		SALT WATER				Average No. of Wells Produced	Daily Average per Producing Well	Total Oil Produced Barrels	PRODUCTION FROM CROWN OIL RIGHTS			PRODUCTION FROM PRIVATE OIL RIGHTS		
	Average No. of Wells	Quantity Barrels	Average No. of Wells	Quantity Barrels	Average No. of Wells	Quantity Barrels	Average No. of Wells	Quantity Barrels	Average No. of Wells	Quantity Barrels	Average No. of Wet Wells	Quantity Barrels	% of Total Fluid Prod.	Daily Average per Wet Well				Daily Average per producing Well	No. of Wells	Production Barrels	Daily Average per producing Well	No. of Wells	Production Barrels
Antilles Petroleum Company (Trinidad) Limited	41	1,028,413	20	85,458	55	156,982	—	—	8	4,742	68	10,928	0.8	0.4	124	28.0	1,275,595	199.5	23	946,822	6.2	101	328,773
Apex (Trinidad) Oilfields Limited	58	1,065,967	55	485,152	221	1,283,135	22	186,896	—	1,239	148	650,033	17.7	12.0	356	23.3	3,022,389	32.8	133	1,591,835	17.6	223	1,430,554
Golding Petroleum Company	—	143	—	—	—	—	—	—	1	1,918	—	—	—	—	1	5.6	2,061	—	—	—	5.6	1	2,061
Kern Trinidad Oilfields Limited	57	636,125	—	—	108	347,059	—	—	—	—	33	207,119	17.4	17.2	165	16.3	983,184	29.2	44	468,890	11.6	121	514,294
Premier Consolidated Oilfields Limited	5	17,765	—	—	168	347,664	—	—	12	2,268	30	128,740	25.9	11.8	185	5.4	387,697	4.5	70	114,387	6.0	115	253,310
Siparia (Trinidad) Oilfields Limited	12	244,754	—	—	51	278,085	—	—	—	—	30	199,447	27.6	18.2	63	22.7	522,839	22.7	63	522,839	—	—	—
Trinidad Central Oilfields Limited	26	921,807	—	39	121	680,824	—	—	—	—	69	406,936	20.2	16.1	147	29.9	1,602,670	29.9	147	1,602,670	—	—	—
Trinidad Leaseholds Limited	176	3,521,742	4	27,802	507	2,974,581	—	—	—	—	447	1,572,588	19.4	9.6	687	26.0	6,524,125	25.3	633	5,851,050	34.1	54	673,075
Trinidad Northern Areas Limited	2	133,645	—	—	—	—	—	—	—	—	—	4,315	3.1	—	2	183.1	133,645	183.1	2	133,645	—	—	—
Trinidad Petroleum Development Company Limited	127	1,815,687	31	326,786	27	61,780	230	1,061,552	—	—	70	603,583	15.6	23.6	415	21.6	3,265,805	21.8	385	3,070,221	17.9	30	195,584
United British Oilfields of Trinidad Limited	188	3,501,180	44	360,470	275	2,036,507	2	26,622	20	4,540	198	1,112,074	15.8	15.4	529	30.7	5,929,319	37.2	377	4,425,417	27.1	152	1,503,902
TOTAL	692	12,887,228	154	1,285,707	1,533	8,166,617	254	1,275,070	41	14,707	1,093	4,895,763	17.2	12.3	2,674	24.2	23,629,329	27.3	1,877	18,727,776	16.8	797	4,901,553

Natural Gasoline Production—1954

COMPANY	CROWN OIL RIGHTS	PRIVATE OIL RIGHTS	TOTAL
	Barrels	Barrels	Barrels
Apex (Trinidad) Oilfields Limited	49,464	66,019	115,483
Trinidad Leaseholds Limited	23,331	41,553	64,884
Trinidad Petroleum Development Company Limited	101,747	8,209	109,956
TOTAL	174,542	115,781	290,323

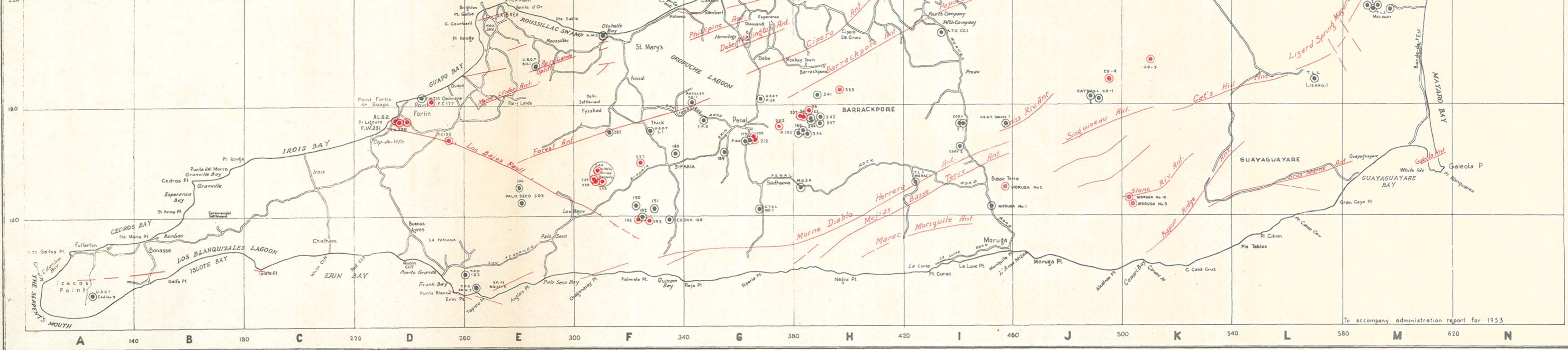
SKETCH MAP OF TRINIDAD
SHOWING OILFIELD AREAS
AND AREAS UNDER MARINE LICENCES



MAP OF SOUTH TRINIDAD

SHOWING LOCATION OF WELLS DRILLED TO
OVER 8000' AND OTHER IMPORTANT EXPLORATORY WELLS

- REFERENCE**
- Anticlinal Uplift
 - Fault (Dip Indicated)
 - Wells completed prior to 1953
 - Wells " or drilling in 1953
- After
E. Lehner 1953



To accompany administration report for 1953

TABLE IV
 PRODUCTION AND DISPOSAL OF NATURAL GAS
 (All figures in thousands of cubic feet)

1954	GAS PRODUCTION		GAS DISPOSAL				
	Gas Production	Inter Company Sales and Transfers	Used as Fuel	Replaced in formation	Losses and unaccounted for	Not collected	Vented as surplus
January ...	3,085,920	1,011,218	1,468,138	271,944	238,915	568,785	538,138
February ...	2,896,311	1,003,684	1,339,069	245,103	240,510	523,331	548,298
March ...	3,201,553	1,179,539	1,567,339	226,340	271,219	584,414	552,241
April ...	3,058,466	1,202,932	1,533,886	132,403	240,052	517,535	634,590
May ...	3,211,195	1,265,344	1,588,331	129,992	311,541	554,641	626,690
June ...	3,107,899	1,201,994	1,487,521	130,757	220,709	544,895	724,017
July ...	3,272,270	1,303,525	1,569,009	222,433	325,932	562,724	592,172
August ...	3,330,333	1,309,920	1,559,618	302,881	326,511	532,116	609,207
September ...	3,240,739	1,213,525	1,542,648	338,441	314,387	518,253	526,810
October ...	3,315,384	1,220,481	1,523,640	386,192	279,160	561,823	564,569
November ...	3,320,829	1,262,247	1,501,579	393,239	288,109	545,063	592,839
December ...	3,452,816	1,213,608	1,497,991	446,678	264,996	581,992	661,159
TOTALS ...	38,493,715	14,388,017	18,178,769	3,226,603	3,322,041	6,595,572	7,170,730
Percentage of Total ...	100	—	47.2	8.4	8.6	17.2	18.6

TABLE IVA
 PRODUCTION AND DISPOSAL OF NATURAL GAS
 (All figures in thousands of cubic feet)

1953	GAS PRODUCTION		GAS DISPOSAL				
	Gas Production	Inter Company Sales and Transfers	Used as Fuel	Replaced in formation	Losses and unaccounted for	Not collected	Vented as surplus
January ...	2,770,642	952,956	1,443,458	223,541	268,142	529,632	305,869
February ...	2,555,989	861,711	1,266,417	209,646	235,555	476,739	347,632
March ...	2,889,887	1,036,216	1,489,452	215,367	265,679	573,893	345,496
April ...	2,886,888	1,032,467	1,428,678	197,610	309,175	555,209	396,216
May ...	2,977,616	1,019,021	1,404,884	231,343	299,514	535,886	505,989
June ...	2,864,017	1,049,140	1,457,717	206,132	291,684	501,990	406,494
July ...	2,953,676	1,074,413	1,537,614	194,277	264,809	552,211	404,765
August ...	2,947,963	1,086,141	1,529,786	182,958	293,509	514,763	426,947
September ...	2,853,756	1,062,374	1,502,235	202,677	227,556	473,151	448,137
October ...	2,971,860	1,121,014	1,526,403	194,169	221,899	504,318	525,071
November ...	2,919,705	1,071,407	1,525,617	218,535	244,050	480,418	451,085
December ...	3,024,615	1,116,005	1,564,802	256,184	204,176	491,409	508,044
TOTALS ...	34,596,614	12,482,865	17,677,063	2,532,439	3,125,748	6,189,619	5,071,745
Percentage of Total ...	100	—	51.1	7.3	9.0	17.9	14.7

TABLE V

RETURN OF PRODUCTION STOCKS AND DISPOSAL OF PETROLEUM DURING THE YEAR ENDED 1954
(All figures in Barrels)

	Crude and Process Oils	REFINED PRODUCTS													Total (All Products)
		AVIATION SPIRIT		Motor Spirit	White Spirit	Burning Oil	Vapourising Oil	Gas and Diesel Oil	Fuel Oils (All Grades)	Lub. Oil and Greases	Bitumen	Other finished products	Liquified Petroleum Gas	Feed or Blending Stocks for Transfer	
		100 Octane	Other Grades												
1. OPENING STOCKS 1ST JANUARY, 1954 ...	1,679,435	67,260	132,252	551,346	1,977	103,048	264,980	509,538	960,283	13,515	55,140	128,994	105	415,980	3,204,418
2. CRUDE OIL PRODUCTION INCLUDING CASING HEAD PETROLEUM SPIRIT	23,919,652	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. IMPORTS : Venezuela ...	16,005,703	—	—	—	—	—	—	256,661	350,403*	—	—	31,784	—	—	638,848
Colombia ...	741,534	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other Countries ...	—	—	—	34	—	—	—	—	—	35,534	—	—	—	—	35,568
TOTAL IMPORTS ...	16,747,237	—	—	34	—	—	—	256,661	350,403*	35,534	—	31,784	—	—	674,416
4. RUNS TO STILLs ...	36,918,425	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. PRODUCTION OBTAINED ...	—	366,466	1,344,874	7,140,498	1,785	636,307	2,918,883	5,705,628	16,071,350	2,338	816,577	597,777	9,512	9,377	35,602,618
6. CONSUMPTION : Trinidad and Tobago ...	104,713	—	—	616,147	1,703	165,818	—	272,522	547,122	32,097	9,066	161,741‡	6,692	7,457	1,820,365
Bunkers ...	—	44,546	30,200	—	—	—	—	2,121,088	6,796,379	—	—	—	—	—	8,992,213
Refinery Fuel... ..	—	—	—	—	—	—	—	—	34,069	—	—	—	—	—	34,069
TOTAL CONSUMPTION ...	104,713	44,546	30,200	616,147	1,703	165,818	—	2,393,610	7,377,570	32,097	9,066	161,741‡	6,692	7,457	10,846,647
7. SHIPMENTS : Sterling Areas ...	—	165,617	59,290	4,692,553	—	217,462	2,487,081	1,148,373	4,267,346	3,738†	678,332	469,645	2,005	—	14,191,442
North America ...	3,398,283	—	—	—	—	—	—	57,205	—	—	—	—	—	46,451	103,656
Other American Countries	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Western Hemisphere ...	—	124,962	113,845	1,428,706	—	176,514	—	498,413	3,168,926	—	26,299	—	—	—	5,537,665
O.E.E.C. Countries ...	—	10,715	1,133,231	268,177	—	90,607	452,348	601,019	788,138	—	85,196	51,052	—	—	3,480,483
Rest of the World ...	—	—	—	—	—	—	—	1,023,939	577,249	—	—	39	—	—	1,601,227
TOTAL SHIPMENTS ...	3,398,283	301,294	1,306,366	6,389,436	—	484,583	2,939,429	3,328,949	8,801,659	3,738†	789,827	520,736	2,005	46,451	24,914,473
8. CLOSING STOCKS 31ST DECEMBER, 1954	1,752,134	87,886	140,560	686,295	2,059	88,954	244,434	749,268	1,202,807	15,552	72,824	76,078	920	352,695	3,720,332
9. BALANCE NOT SPECIFICALLY ACCOUNTED FOR ...	172,769	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Imports of Tucupita Fuel Oil for transshipment amounted to 2,603,270 barrels and are not included in the above return.

* Re-exported as Bunkers.

† Includes 2,248 Barrels of Lubricating Oil Re-exported.

‡ Includes 78,346 Barrels Flux Oil used for conditioning Lake Asphalt for export.

TABLE VI

STATEMENT SHOWING CONTRIBUTIONS BY THE OIL INDUSTRY TO COLONY REVENUE AND GOVERNMENT OPERATED SERVICES

ITEM	HEAD OR SUB-HEAD	1954	% difference 1954/53	1953	1952	1951	1950	1949	1948	1947	1946	1945
	CROWN ROYALTIES, TAXATION, ETC.	\$		\$	\$	\$	\$	\$	\$	\$	\$	\$
1	Customs	1,270,440	+ 6.6	1,191,346	1,204,736	697,095	974,118	1,238,426	778,276	650,525	370,193	636,035
2	Excise Duty on Petroleum Spirit	136,257	— 3.6	141,361	132,817	90,291	115,637	36,910	—	—	—	—
3	Land and Building Taxes	199,263	— 12.7	228,180	113,301	100,526	101,203	84,754	145,874	150,919	167,062	120,484
4	Vehicles, Licences and Registration	85,439	— 28.0	118,741	107,868	90,885	107,647	69,371	—	—	—	—
5	Taxes on Income	14,692,510	— 5.7	15,574,972	17,091,094	13,715,292	8,704,846	13,292,777	7,441,508	3,552,074	2,730,744	3,076,581
6	Reimbursements—Petroleum Department	40,613	+ 24.4	32,644	27,750	30,287	32,151	24,611	30,071	23,884	16,808	21,839
7	Earnings of Government Departments	11,470	+ 21.6	9,436	17,784	10,804	10,504	5,045	1,934	2,079	1,319	555
8	Sundries	30,797	— 22.2	39,592	42,365	28,177	31,917	64,386	5,204	13,190	7,658	10,351
9	Royalty on Oil	8,231,840	+ 17.4	7,011,584	6,592,399	6,508,520	5,823,226	5,596,251	4,030,076	1,976,989	1,287,917	1,428,160
10	Royalty on Gas	72,417	+ 6.1	68,255	85,031	99,189	81,233	74,217	—	—	—	—
11	Forests—Sale of Timber	138,594	+ 103.3	68,174	61,701	42,594	68,899	38,715	43,693	37,924	22,667	23,849
12	Exploration Licences	5,687	+ 30.6	4,356	14,192	3,366	9,797	3,864	15,222	13,956	21,031	10,757
13	Harbour Dues on Crude Oil and Products	872,334	+ 7.8	809,507	753,598	732,802	587,516	585,901	557,040	367,345	226,055	190,480
14	SUB-TOTALS Items 1-13	25,787,661	+ 1.9	25,298,148	26,244,636	22,149,828	16,648,694	19,115,228	13,048,898	6,788,885	4,851,454	5,519,091
	VARIOUS SERVICES											
15	Wharves and Harbours (Rentals, &c.)	92,493	+ 12.4	82,279	74,499	37,029	27,182	26,350	39,027	127,194	47,767	50,533
16	Post Office	47,559	+ 4.3	45,613	50,154	43,140	30,529	34,656	25,061	28,066	25,405	19,424
17	Rent of Government Property	12,175	+ 18.0	10,320	10,732	9,523	5,588	11,151	4,174	5,662	49,999	2,509
18	Government Railway and Telegraph	123,726	+ 3.9	119,097	165,312	151,930	137,501	115,539	101,209	110,571	107,499	77,260
19	Fees and Payments for Specific Services	29,578	— 16.1	35,258	29,609	22,600	26,146	12,308	9,294	16,261	11,060	10,331
20	SUB-TOTAL Items 15-19	305,531	+ 4.4	292,567	330,306	264,222	226,946	200,004	178,765	287,754	241,730	160,057
21	GENERAL TOTAL	26,093,192	+ 2.0	25,590,715	26,574,942	22,414,050	16,875,640	19,315,232	13,227,663	7,076,639	5,093,184	5,679,148
	A—Total Revenue of Colony and Government Operated Services	80,154,136	+ 7.5	74,535,864	73,013,672	65,215,814	56,038,019	58,391,567	49,593,902	42,075,147	47,776,085	34,900,299
	B—Percentage of 'A' contributed by the Oil Industry	32.6	— 5.0	34.3	36.4	34.4	30.1	33.1	26.6	16.8	10.7*	16.3
	C—Percentage of 'A' less Items 13, 15 and 18 contributed by Oil Industry	34.0	— 5.8	36.1	38.3	36.3	31.9	36.5	27.7	17.4	11.2	17.5
	D—Excise collected on Petroleum Products (including duty shown under Item 2 above)	1,891,322	+ 10.3	1,714,221	1,560,225	1,454,567	1,367,860	2,394,109	2,381,909	2,135,938	1,762,496	1,491,779

* Drop in percentage of total revenue contributed by Oil Industry in 1946 was due to total revenue of Colony being increased by re-payment by His Majesty's Treasury a loan of \$9,200,000.

TABLE VII

STATEMENT SHOWING THE AMOUNT OF MONEY DISBURSED IN THE COLONY AND ON OVERSEAS PURCHASES OF MATERIALS BY THE OIL INDUSTRY

	1954	% difference 1954/53	1953	1952	1951	1950	1949	1948	1947	1946	1945
MONEYS EARNED OR PAYABLE IN THE COLONY											
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
1. Total Contribution to Government Revenues (Item 21, Table VI)	26,093,192	+ 2.0	25,590,715	26,574,942	22,414,050	16,875,640	19,315,232	13,227,663	7,076,639	5,093,184	5,679,148
2. Payments to Employees*	31,040,008	+ 6.4	29,164,141	24,743,598	20,918,670	18,839,945	17,081,804	16,201,000	14,701,680	13,896,842	12,781,464
3. Payments to Contractors*	9,465,908	+ 27.2	7,439,632	7,604,548	7,527,758	6,125,164	4,488,089	3,543,432	2,855,917	2,369,675	2,410,418
4. Local Purchases of Materials	7,026,657	+ 19.9	5,862,292	5,662,114	4,837,764	3,946,065	4,336,776	3,929,831	4,005,478	3,494,215	3,813,021
5. All other local expenditure (Rents, Private Royalties, &c) ...	13,220,262	+ 14.7	11,527,727	13,095,125	10,361,590	8,456,079	7,080,430	3,817,212	3,181,947	2,619,541	2,609,726
6. Sub-Total	86,846,027	+ 9.1	79,584,507	77,680,327	66,059,832	54,242,893	52,302,331	40,719,138	31,821,661	27,473,457	27,293,777
OVERSEAS PURCHASES OF MATERIALS (C.I.F. VALUATION)											
7. Importation from the United Kingdom	23,833,618	+ 1.7	23,439,951	22,888,622	17,208,625	14,690,802	14,161,158	8,515,146	6,822,090	4,425,954	1,438,971
Canada	1,143,337	+ 7.3	1,065,818	927,095	944,464	724,216	516,130	} 5,690,016	4,758,800	2,322,331	5,136,245
United States of America	3,651,034	- 15.7	4,329,858	6,217,177	3,401,644	5,469,200	7,766,696				
Other Sources	1,594,177	- 21.6	2,032,287	1,432,977	773,214	947,512	1,012,427				
8. Sub-Total	30,222,166	- 2.1	30,867,914	31,465,871	22,327,947	21,831,730	23,456,411	14,205,162	11,580,890	6,748,285	6,575,216
9. General Total	117,068,193	+ 6.0	110,452,421	109,146,198	88,387,779	76,074,623	75,758,742	54,924,300	43,402,551	34,221,742	33,868,993

*These amounts include hidden contributions to the direct revenue of the Colony in the form of Customs Duties, Income Tax, Licences, &c.

TABLE VIII

LIST OF OIL OPERATORS IN TRINIDAD SHOWING THE AREA HELD UNDER MINING LEASE AND EXPLORATION LICENCES

ITEM	COMPANIES	LANDS HELD UNDER EXPLORATION LICENCE			OILRIGHTS HELD UNDER REGISTERED MINING LEASE OR MARINE LICENCE																	
		Crown Surface Crown Oilrights			Crown Surface Crown Oilrights			Private Surface Crown Oilrights			Private Surface Private Oilrights			Territorial Waters			High Seas Areas			TOTAL		
		A.	R.	P.	A.	R.	P.	A.	R.	P.	A.	R.	P.	A.	R.	P.	A.	R.	P.	A.	R.	P.
1	ANTILLES PETROLEUM CO. (TRINIDAD) LTD.																					
	Holdings as at 31st December, 1953	—	—	—	254	1	36	5,900	2	38	11,856	0	31*	15,344	0	00	—	—	—	33,355	1	25
	Holdings acquired during 1954	—	—	—	18,601	0	14	—	—	—	—	—	—	—	—	—	—	—	—	18,601	0	14
	Holdings surrendered during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings as at 31st December, 1954	—	—	—	18,855	2	10	5,900	2	38	11,856	0	31*	15,344	0	00	—	—	—	51,956	1	39
2	APEX (TRINIDAD) OILFIELDS LTD.																					
	Holdings as at 31st December, 1953	3,752	0	19	9,401	3	10	19,086	1	39	7,150	1	00	—	—	—	—	—	—	39,390	2	28
	Holdings acquired during 1954	461	0	00	9,734	2	27	778	2	18	29	1	03	—	—	—	—	—	—	11,003	2	08
	Holdings surrendered during 1954	—	—	—	—	—	—	—	—	—	1	0	16	—	—	—	—	—	—	1	0	16
	Holdings as at 31st December, 1954	4,213	0	19	19,136	1	37	19,865	0	17	7,178	1	27	—	—	—	—	—	—	50,393	0	20
3	DOMINION OIL LTD.																					
	Holdings as at 31st December, 1953	12,924	0	00	39,858	0	00	—	—	—	10,318	0	00	168,000	0	00	346,000	0	00	577,100	0	00
	Holdings acquired during 1954	64,031	2	06	5,016	1	39	4,242	2	22	84,809	0	00	—	—	—	6,652	0	00	164,701	2	27
	Holdings surrendered during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings as at 31st December, 1954	76,955	2	06	44,874	1	39	4,242	2	22	95,127	0	00	168,000	0	00	352,652	0	00	741,851	2	27
4	GOLDEN PETROLEUM CO.																					
	Holdings as at 31st December, 1953	—	—	—	—	—	—	—	—	—	18	0	12	—	—	—	—	—	—	18	0	12
	Holdings acquired during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings surrendered during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings as at 31st December, 1954	—	—	—	—	—	—	—	—	—	18	0	12	—	—	—	—	—	—	18	0	12
5	KERN TRINIDAD OILFIELDS LTD.																					
	Holdings as at 31st December, 1953	—	—	—	346	1	30	610	3	23	13,476	0	29	5,760	0	00	—	—	—	20,193	2	02
	Holdings acquired during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings surrendered during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings as at 31st December, 1954	—	—	—	346	1	30	610	3	23	13,476	0	29	5,760	0	00	—	—	—	20,193	2	02
6	PREMIER CONSOLIDATED OILFIELDS LTD.																					
	Holdings as at 31st December, 1953	—	—	—	500	0	00	1,026	2	11	3,630	3	12	—	—	—	—	—	—	5,157	1	23
	Holdings acquired during 1954	—	—	—	10,139	0	10	1,608	3	02	2,711	1	12	—	—	—	—	—	—	14,459	0	24
	Holdings surrendered during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings as at 31st December, 1954	—	—	—	10,639	0	10	2,635	1	13	6,342	0	24	—	—	—	—	—	—	19,616	2	07
7	TIMOTHY ROODAL																					
	Holdings as at 31st December, 1953	—	—	—	—	—	—	9	2	12	—	—	—	—	—	—	—	—	—	9	2	12
	Holdings acquired during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings surrendered during 1954	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Holdings as at 31st December, 1954	—	—	—	—	—	—	9	2	12	—	—	—	—	—	—	—	—	—	9	2	12
	Carried forward																					

*Corrected figures received from Company.

TABLE VIII—CONTINUED

LIST OF OIL OPERATORS IN TRINIDAD SHOWING THE AREA HELD UNDER MINING LEASE AND EXPLORATION LICENCES—Continued

ITEM	COMPANIES	LANDS HELD UNDER EXPLORATION LICENCE			OILRIGHTS HELD UNDER REGISTERED MINING LEASE OR MARINE LICENCE																	
		Crown Surface Crown Oilrights			Crown Surface Crown Oilrights			Private Surface Crown Oilrights			Private Surface Private Oilrights			Territorial Waters			High Seas Areas			TOTAL		
		A.	R.	P.	A.	R.	P.	A.	R.	P.	A.	R.	P.	A.	R.	P.	A.	R.	P.	A.	R.	P.
	Brought forward																					
8	SIPARIA (TRINIDAD) OILFIELDS LTD. Holdings as at 31st December, 1953 Holdings acquired during 1954 Holdings surrendered during 1954 Holdings as at 31st December, 1954	—	—	—	2,008	3	00	10,976	3	28	79	2	17	—	—	—	—	—	—	—	—	—
					2,008	3	00	10,976	3	28	79	2	17	—	—	—	—	—	—	—	—	
9	TRINIDAD CENTRAL OILFIELDS LTD. Holdings as at 31st December, 1953 Holdings acquired during 1954 Holdings surrendered during 1954 Holdings as at 31st December, 1954	—	—	—	6,996	2	31	—	—	—	35	2	00	—	—	—	—	—	—	—	—	
					6,996	2	31	—	—	—	35	2	00	—	—	—	—	—	—	—	—	
10	TRINIDAD LEASEHOLDS LTD. Holdings as at 31st December, 1953 Holdings acquired during 1954 Holdings surrendered during 1954 Holdings as at 31st December, 1954	1,562	0	00	92,547	2	00	16,091	1	28	†8,826	1	03	—	—	—	—	—	—	—	—	
					92,547	2	00	16,091	1	28	13,577	0	31	—	—	—	—	—	—	—	—	
					6,229	0	08	61	0	29	223	3	11	—	—	—	—	—	—	—	—	
					3,703	0	01	—	—	—	1	0	34	—	—	—	—	—	—	—	—	
					1,562	0	00	95,073	2	07	13,799	3	08	—	—	—	—	—	—	—	—	
					95,073	2	07	16,152	2	17	†8,826	1	03	—	—	—	—	—	—	—	—	
11	TRINIDAD NORTHERN AREAS LTD. Holdings as at 31st December, 1953 Holdings acquired during 1954 Holdings surrendered during 1954 Holdings as at 31st December, 1954	1,788	0	37	6,974	2	37	12,213	3	39	13,607	2	19	147,723	0	00	83,434	0	00	265,741	2	12
					6,974	2	37	12,213	3	39	13,607	2	19	147,723	0	00	83,434	0	00	265,741	2	12
					8,856	2	27	—	—	—	—	—	—	—	—	—	—	—	—	8,856	2	27
					1,788	0	37	15,831	1	24	12,213	3	39	13,607	2	19	147,723	0	00	274,598	0	39
12	TRINIDAD PETROLEUM DEVELOPMENT CO. LTD. Holdings as at 31st December, 1953 Holdings acquired during 1954 Holdings surrendered during 1954 Holdings as at 31st December, 1954	4,713	0	09½	28,079	2	01	9,149	3	34	28,921	0	29	134,000	0	00	91,000	0	00	295,863	2	33½
					28,079	2	01	9,149	3	34	28,921	0	29	134,000	0	00	91,000	0	00	295,863	2	33½
					357	2	35	1,419	3	21	321	1	33½	—	—	—	—	—	—	2,099	0	09½
					4,713	0	09½	28,437	0	36	29,242	2	22½	134,000	0	00	91,000	0	00	297,962	3	03
13	UNITED BRITISH OILFIELDS OF TRINIDAD LTD. Holdings as at 31st December, 1953 Holdings acquired during 1954 Holdings surrendered during 1954 Holdings as at 31st December, 1954	—	—	—	64,407	3	04	17,104	3	39½	†532	2	28	—	—	—	—	—	—	†532	2	28
					64,407	3	04	17,104	3	39½	11,290	0	05	—	—	—	—	—	—	92,802	3	08½
					18,165	2	09	4,973	3	22½	33	1	12	—	—	—	—	—	—	23,172	3	03½
					9,137	1	27	4,720	3	34½	8	1	14	—	—	—	—	—	—	13,866	2	35½
					73,445	3	26	17,357	3	27½	11,315	0	03	—	—	—	—	—	—	102,108	3	16½
					—	—	—	—	—	—	†549	3	18	—	—	—	—	—	—	†549	3	18
	GRAND TOTAL	89,231	3	31½	315,635	2	10	100,535	2	11½	211,454	1	13½	470,827	0	00	527,086	0	00	1,714,770	1	26½

† Area held jointly by Trinidad Leaseholds Limited and United British Oilfields of Trinidad Limited.

‡ Adjustment of Acreage by 17a. Or. 30p. makes area held jointly by U.B.O.T. and T.L.L. to be 549a. 3r. 18p. instead of 532a. 2r. 28p.

TABLE IX

IMPORTANT EXPLORATION OR OUTSTEP WELLS AND DEEP EXPLOITATION WELLS DURING 1954

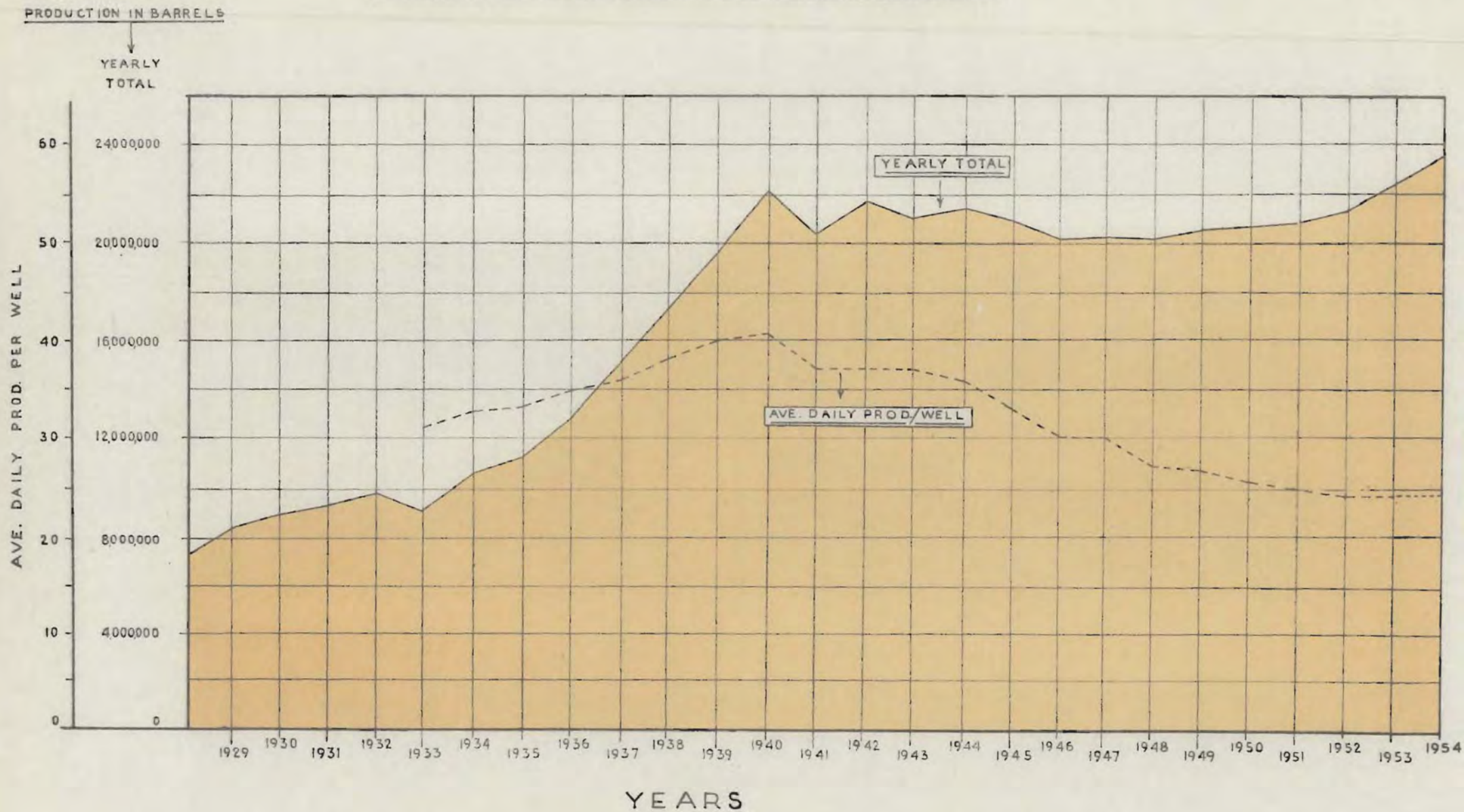
Company	Well No.	Total Depth Feet	Remarks	Map Reference Appendix H
Antilles Petroleum Company (Trinidad) Limited	Oropouche AO-4	9,077	Producer from Forest Sands in new area	G. 5
	do. AO-5	6,018	Producer from Forest Sands in new area	H. 5
	Point Ligoure ... ALS-5	7,016	Deviated on the Submarine Licence ; drilling in progress	E. 6
	do. ALS-6	6,073	Deviated on the Submarine Licence ; drilling in progress	E. 6
	Balata Central AC-1	5,500	Abandoned ; no prospects of commercial production	M. 4
Apex (Trinidad) Oilfields Limited	Fyzabad 553	8,088 (7,435 feet drilled in 1953)	Producer	G. 6
	do. 560	16,115	Deepest well in the Colony ; no production from the Oligocene, now producing from Cruse Sands	G. 6
	South Quarry 561	8,111	Producer	G. 6
	Fyzabad 566	8,402	Closed in awaiting investigation	G. 6
	do. 568	8,474	Small producer	G. 6
Dominion Oil Limited	Mahaica 1	6,747	D.O.L's first well. Testing February, 1955	
Premier Consolidated Oilfields Limited	Bovallius 1	3,632	Step out from U.B.O.T's East Balata Field. Producer	N. 5
Siparia Trinidad Oilfields Limited	Morne Diablo MD-39	5,520	Abandoned without test—dry hole	H. 6
	do. MD-39X	3,711	Deviated from MD-39. Abandoned without test dry hole	H. 6
	do. MD-40	8,643	Drilling in progress. Objective 10,000 feet approximately	H. 6
	Palo Seco 63	7,551	Producing as a Dual Completion	F. 6
Trinidad Central Oilfields Limited	Wilson 57	9,421	Gas condensate producer (Joint interest with Trinidad Leaseholds Limited)	H. 6
	do. 58	10,085	Gas condensate producer (Joint interest with Trinidad Leaseholds Limited)	I. 6
Trinidad Leaseholds Limited	Barrackpore ... 355	10,924 (1,401 feet drilled in 1953)	Producer	I. 5
	do. 358	10,448	Gas condensate producer	H. 6
	do. 362	9,055	Drilling. Objective 12,500 feet Maximum	I. 5
Trinidad Northern Areas	Point Fortin Offshore FOS-1	5,914	T.N.A's first well deviated to Submarine Licence. Producer	E. 6
	High Seas HS-1	5,544	First well in the Colony to be drilled at sea. Drilling in progress. Objective 7,500 feet	B. 6
Trinidad Petroleum Development Company Limited	Moruga Ma-15	9,693	Small cretaceous production below 8,946 feet	K. 6
	Esmeralda Es-1	4,212	Drilling in progress. Objective 11,000 feet	I. 3
United British Oilfields of Trinidad Limited	Penal 212	9,304 (9,095 feet drilled in 1953)	Gas only	H. 6
	do. 222	9,941	Producer	I. 6
	Balata West ... BW-2	7,018	Abandoned	L. 4
	do. BW-3	7,010	Abandoned	L. 4
	Balata East BE-11	6,023 (3,112 feet drilled in 1953)	Abandoned	N. 4

TABLE X
SUMMARY OF CROWN (ROYALTY) CRUDE OIL ASSESSED OR SOLD WITH PRICES AND ANALYSES
(For Half-yearly Assessment periods ended 30th June, 1954 and 31st December, 1954)

1 barrel = 34.9726 Imperial Gallons

COMPANY	Nett Royalty Due Production Bbls.	ROYALTY			Sub-Division of (Royalty) Crude into Products as per R.L.E.I. Analyses											
		10% assessed or taken in kind and sold to Producer Bbls.	Value \$	Average Price per Barrel \$	LIGHT FRACTIONS			GAS OILS				TOTAL GAS OILS		FUEL OIL		
					Quantity Bbls.	Percentage	Tetra Ethyl lead to blend to 70/72 Oct. Gasoline Millilitres	53-57 D.I. Bbls.	48-52 D.I. Bbls.	43-47 D.I. Bbls.	No. 2 Fuel Bbls.	Quantity Bbls.	Percentage	Quantity Bbls.	Percentage	
HALF-YEAR ASSESSMENT PERIOD ENDED 30TH JUNE																
Antilles Petroleum Company (Trinidad) Limited	533,323	53,323	221,562.37	4.15	11,196	21.0	754,031	12,381	—	—	—	12,381	23.2	29,756	55.8	
Apex (Trinidad) Oilfields Limited ...	791,225	79,123	328,340.70	3.98	12,371	15.6	187,116	—	—	—	24,020	24,020	30.4	42,732	54.0	
Kern Trinidad Oilfields Limited ...	246,680	24,668	79,397.27	3.22	2,236	9.1	35,998	67	359	—	—	426	1.7	22,007	89.2	
Premier Consolidated Oilfields Limited ...	44,901	4,489	17,119.87	3.82	273	6.1	87	—	—	—	1,321	1,321	29.4	2,895	64.5	
Estate of T. Roodal	14,544	1,454	5,400.40	3.71	35	2.5	—	—	—	—	442	442	30.4	977	67.2	
Siparia (Trinidad) Oilfields Limited ...	243,141	24,314	101,383.96	4.17	3,263	13.4	39,547	—	—	—	8,314	8,314	34.2	12,737	52.4	
Trinidad Central Oilfields Limited ...	805,023	80,502	307,217	3.82	11,065	13.7	226,074	—	3,521	—	12,080	15,601	19.4	53,836	66.9	
Trinidad Leaseholds Limited	2,736,667	273,668	1,086,603.13	3.97	33,071	12.1	332,960	—	—	2,352	75,229	77,581	28.3	163,016	59.6	
Trinidad Northern Areas Limited ...	8,987	899	4,436.05	4.93	220	24.5	10,441	—	440	—	—	440	49.0	239	26.5	
Trinidad Petroleum Development Company Limited	1,492,443	149,244	597,518.90	4.00	25,121	16.8	635,397	—	—	588	33,973	34,561	23.2	89,562	60.0	
United British Oilfields of Trinidad Limited	2,062,510	206,252	752,260.37	3.65	25,404	12.3	767,350	291	3,668	12,406	13,748	30,113	14.6	150,736	73.1	
TOTALS AND AVERAGES FOR 1ST HALF-YEAR	8,979,446	897,947	3,501,249.21	3.90	124,255	13.8	3,039,001	12,739	7,988	15,346	169,127	205,200	22.9	568,492	63.3	
HALF-YEAR ASSESSMENT PERIOD ENDED 31ST DECEMBER																
Antilles Petroleum Company (Trinidad) Limited	413,500	41,350	170,710.59	4.13	8,604	20.8	589,588	9,231	—	—	—	9,231	22.3	23,515	56.9	
Apex (Trinidad) Oilfields Limited ...	798,201	79,821	332,181.68	4.16	12,294	15.4	186,086	—	—	—	24,038	24,038	30.1	43,489	54.5	
Kern Trinidad Oilfields Limited ...	222,210	22,222	71,557.70	3.22	1,982	8.9	30,741	57	328	—	—	385	1.7	19,855	89.4	
Premier Consolidated Oilfields Limited ...	43,489	4,349	16,691.88	3.84	288	6.6	462	—	—	—	1,238	1,238	28.5	2,823	64.9	
Estate of T. Roodal	11,453	1,145	4,296.42	3.75	28	2.4	—	—	—	—	349	349	30.5	768	67.1	
Siparia (Trinidad) Oilfields Limited ...	279,698	27,969	119,163.81	4.26	4,566	16.3	53,594	—	—	—	9,198	9,198	32.9	14,205	50.8	
Trinidad Central Oilfields Limited ...	796,196	79,620	310,311.69	3.90	12,297	15.4	249,848	—	3,723	—	12,048	15,771	19.8	51,552	64.8	
Trinidad Leaseholds Limited	2,958,602	295,860	1,185,746.90	4.01	36,362	12.3	336,375	—	—	2,612	81,505	84,117	28.4	175,881	59.3	
Trinidad Northern Areas Limited ...	124,658	12,466	64,030.89	5.14	3,095	24.8	88,496	—	—	7,065	—	7,065	56.7	2,306	18.5	
Trinidad Petroleum Development Company Limited	1,568,906	156,891	636,269.95	4.06	27,097	17.3	840,533	—	—	809	36,986	37,795	24.1	91,999	58.6	
United British Oilfields of Trinidad, Limited	2,310,071	231,007	885,882.83	3.83	32,685	14.1	1,068,444	9,657	5,371	28,439	637	44,104	19.1	154,218	66.8	
TOTALS AND AVERAGES FOR 2ND HALF-YEAR	9,526,984	952,700	3,796,844.34	3.99	139,298	14.6	3,444,167	18,945	9,422	38,925	165,999	233,291	24.5	580,111	60.9	
YEAR'S TOTALS AND AVERAGES	18,506,430	1,850,647	7,298,093.55	3.94	263,553	14.2	6,483,168	31,684	17,410	54,271	385,126	488,491	23.7	1,148,603	62.1	

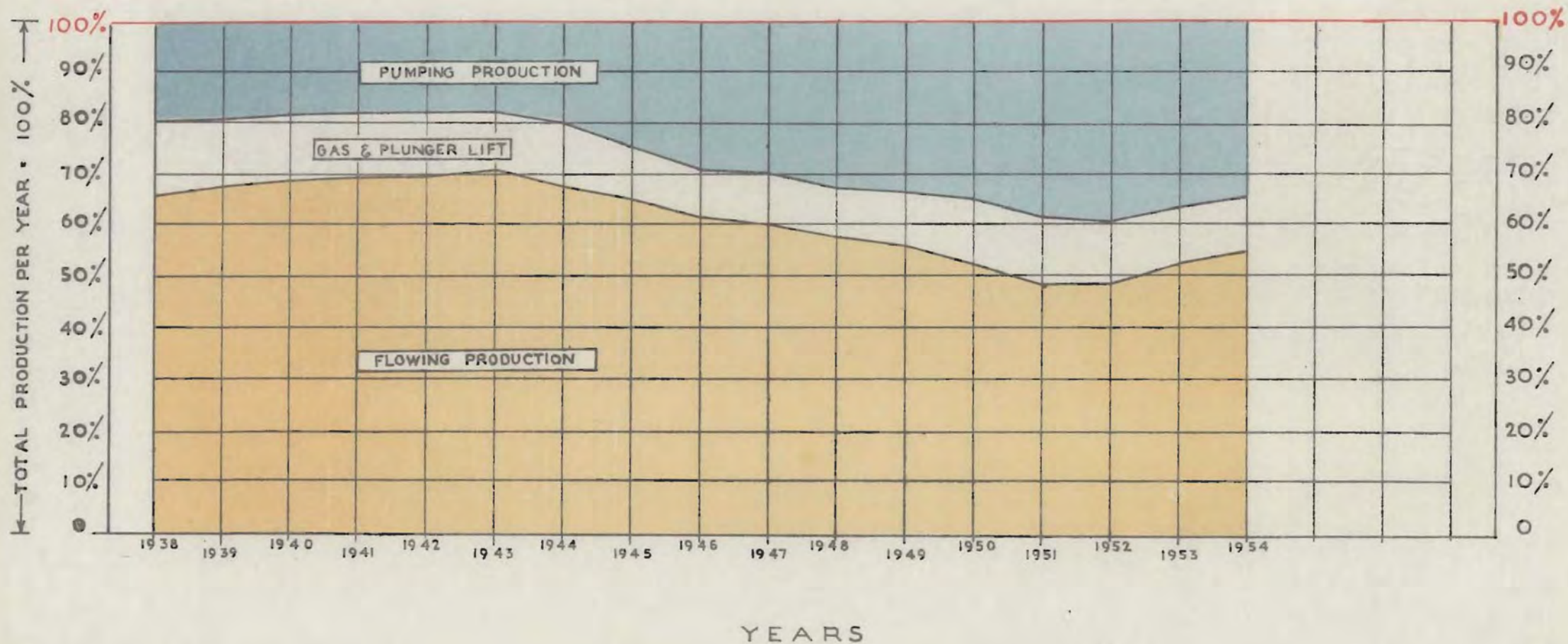
ANNUAL CRUDE OIL PRODUCTION



FOR FIGURES USED IN CONSTRUCTING GRAPH SEE TABLE I - ITEMS 1 AND 25 -

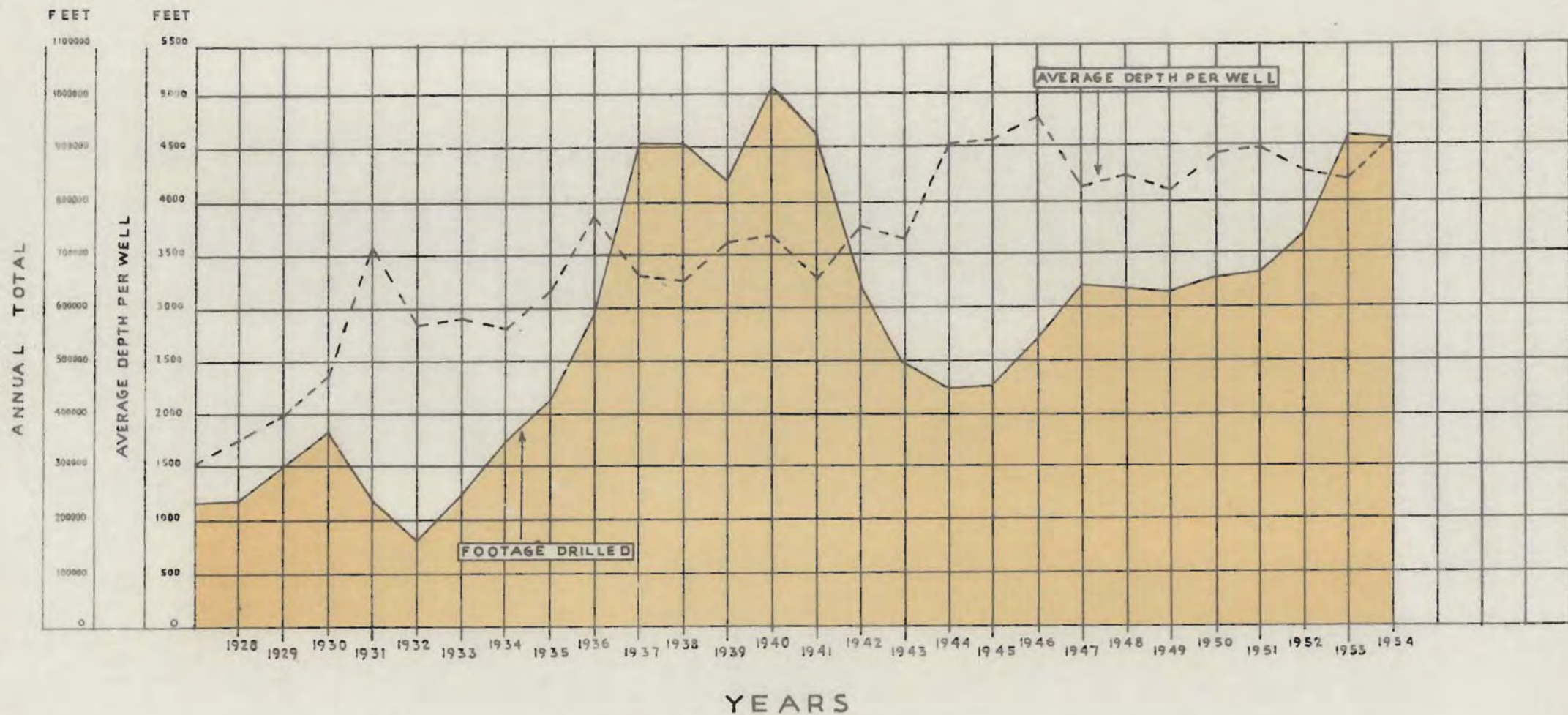
CRUDE OIL PRODUCTION METHODS

RELATIVE PROPORTIONS OF ANNUAL PRODUCTION (100%) OBTAINED BY THE THREE PRINCIPAL PRODUCING METHODS



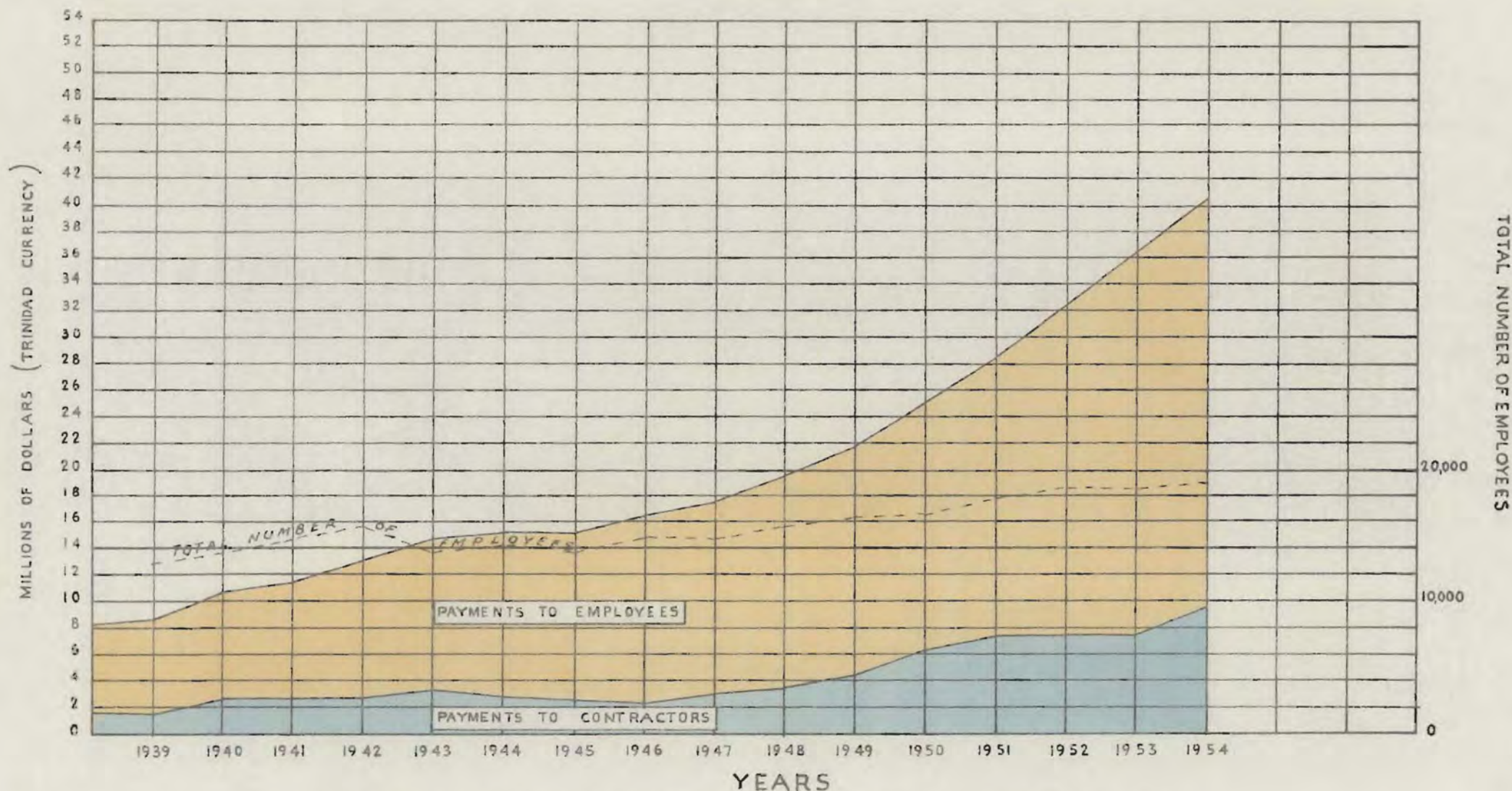
SEE TABLE III FOR DETAILED FIGURES FOR 1954

ANNUAL DRILLING FOOTAGE



FOR FIGURES USED IN CONSTRUCTING GRAPH SEE TABLE I — ITEMS 18 AND 21 —

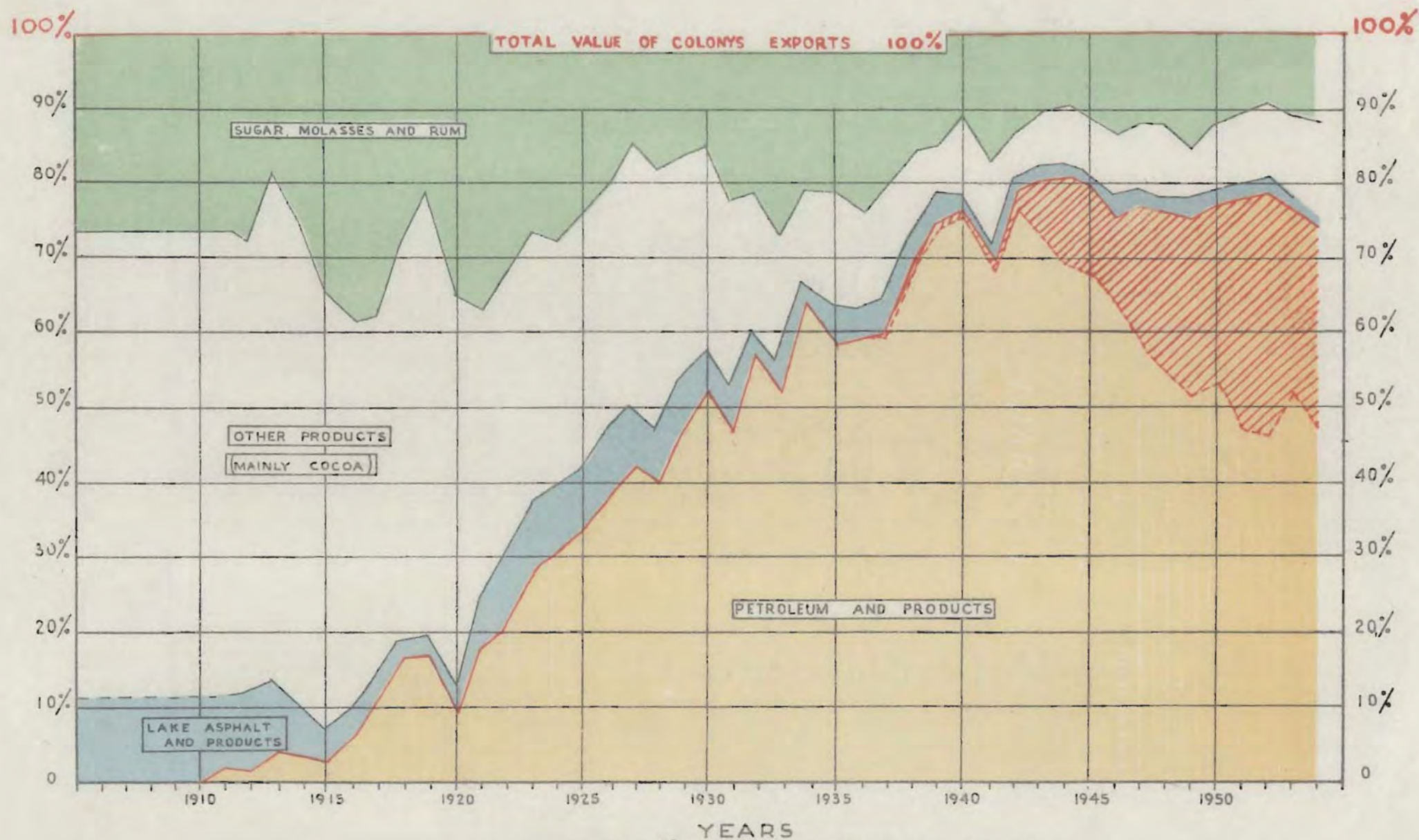
OIL COMPANIES ANNUAL PAYMENTS TO CONTRACTORS AND EMPLOYEES



FOR FIGURES USED IN CONSTRUCTING GRAPH SEE TABLE VII ITEMS 2 AND 3

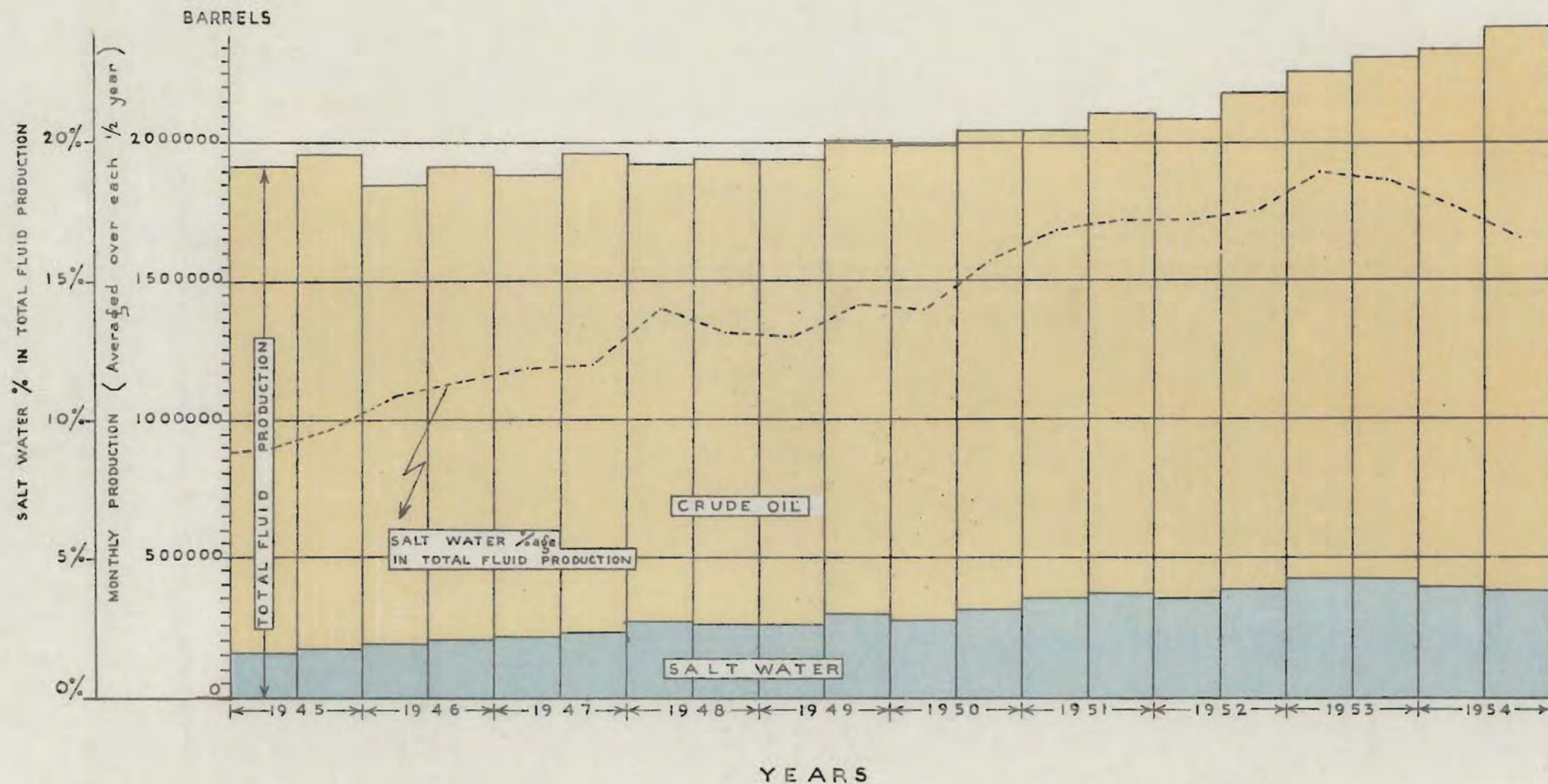
N.B. PAYMENTS TO CONTRACTORS ARE MAINLY WAGES

PERCENTAGE DISTRIBUTION OF TOTAL VALUES OF COLONYS EXPORTS



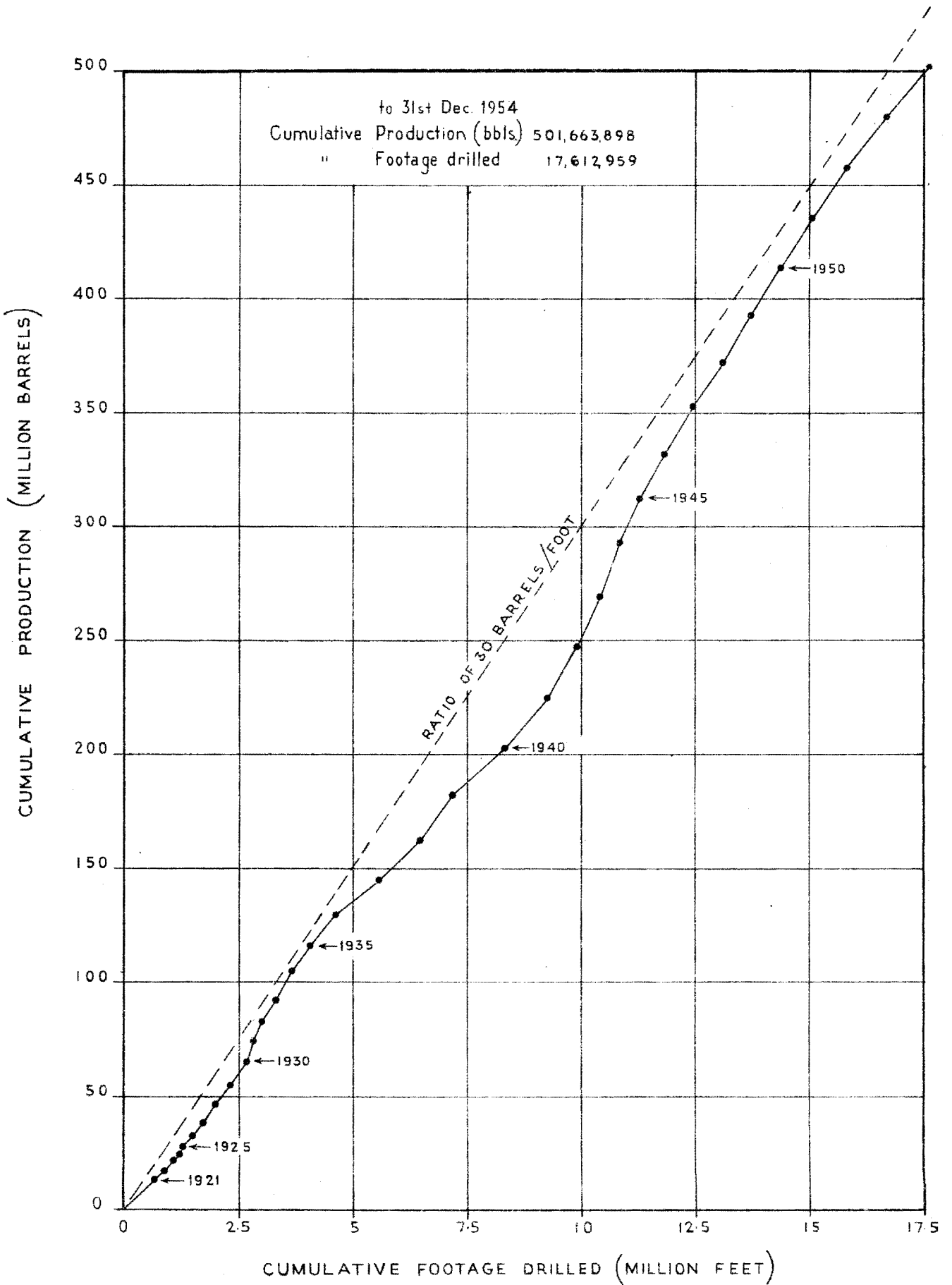
FOR VALUES IN \$^s SEE TABLE I - ITEMS 28, 29 AND 30
 THE HATCHED AREA SHOWS THE VALUE OF IMPORTED CRUDE REFINED IN THE COLONY

PRODUCTION OF SALT WATER



SEE TABLE III FOR 1954 FIGURES IN DETAIL





CUMULATIVE PRODUCTION & FOOTAGE



MAP OF SOUTH TRINIDAD

SHOWING LOCATION OF WELLS DRILLED TO OVER 8000' AND OTHER IMPORTANT EXPLORATORY WELLS

REFERENCE

-  Anticlinal Uplift
 -  Fault (Dip Indicated)
 -  Wells completed prior to 1954
 -  Wells " or drilling in 1954
- After E. Leher, 1953

