

TRINIDAD AND TOBAGO.

Council Paper No. 37 of 1921.

---

MINES DEPARTMENT.

Administration Report of the Acting Inspector of Mines for the  
year 1920.

---

*Laid before the Legislative Council on the  
22nd April, 1921.*

---

*Previous Council Paper No. 44 of 1920.*

*Registered No. of Correspondence relating to the subject—M.P. No. 3234/1921.*

---

PRINTED AT THE GOVERNMENT PRINTING OFFICE, PORT-OF-SPAIN.

1921.

[Price 6d.]

# MINES DEPARTMENT.

## Administration Report of the Acting Inspector of Mines for the year 1920.

*Council Paper No. 37 of 1921.*

*M.P. No. 3234/1921.*

THE HONOURABLE THE COLONIAL SECRETARY, (Acting).

I have the honour to submit, for the information of His Excellency the Governor, the following report on the work of the Mines Department for the year ended 31st December, 1920.

### Official Duties.

2. The amalgamation of the Crown Lands and the Mines Departments, the details of which were published in Council Paper No. 3 of 1919, has not yet taken place. Mr. R. R. Thompson has been appointed to the post of Director of Lands and Mines by the Secretary of State, but up to the time of writing has not arrived in the Colony. As the newly appointed Director of Lands and Mines was due to leave Persia, where he held an important appointment with the Anglo-Persian Oil Company Ltd. : at the end of December last, his arrival in the Colony may be expected at a very early date. During the whole of the past year I have acted as Inspector of Mines in addition to performing the duties of my substantive post, viz., Deputy-Inspector of Mines.

Mr. J. de Nobriga, Chief Clerk, was seconded for service as Secretary of the Wag. Committee from the 19th December 1919 to 30th September 1920. Mr. de Nobriga also acted as Chief Clerk of the Public Works Department from 1st October to 30th November last. Mr. F. Delmas of the Audit Office acted as Chief Clerk until 11th July 1920 and Mr. W. H. Clark of this Department acted as Chief Clerk from 12th July to 30th November last. Mr. F. O. Rooks, 3rd Clerk, acted as 2nd Clerk in the Forest Department from 15th March to 29th August last, when I regret to say that the career of this promising young officer was terminated by his death. Mr. N. A. Brown acted as 2nd Clerk from 12th July to 30th November 1920.

### Leave.

3. No leave was granted during the year.

### Legislation.

4. The only legislation passed during the period under review, affecting this Department, was the Oil Pollution and Water Conservation Ordinance No 46 of 1920. This Ordinance was introduced owing to the fact that a number of Injunctions had been obtained by lower riparian owners against several of the Oil Companies for the pollution, and abstraction, of water from the water courses. Consequently it was found necessary to introduce and pass legislation designed to enable the Oil Companies to carry on their operations in certain cases by paying suitable compensation and providing an alternative water supply.

### Work under the Mines, Borings and Quarries Ordinances.

5. MANJAK. The Trinidad Tarouba Oil Development Company is the only Company which is operating in this industry. This Company continues to work the Vistabella Mine at San Fernando from which 134 tons of manjak were produced during the period under review.

### Petroleum.

6. GENERAL REMARKS. In my last report, I mentioned that there was great difficulty in obtaining delivery of drilling equipment and machinery. I am glad to report that during the past year the situation in this respect has materially improved and in consequence a number of new Oil Companies have been enabled to commence operations. Several Companies have started drilling in areas from which, up to the present, no oil has been extracted. If the wells, which at present are being drilled in these districts, are successful in obtaining oil in commercial quantities, the production of oil in the Colony should be very largely increased in the near future.

The number of feet drilled in the Colony shows a considerable increase over that for the year 1919. There is also, I am glad to be able to report, an increase in the quantity of oil produced as appears from the following paragraph, as compared with the preceding year. But when compared with the year 1918, this increase is only very slight.

The export of crude oil and its products shows a substantial decrease during the past year, the figures being 36,000,000 Imperial Gallons as against 49,000,000 Imperial Gallons for 1919. There were, however, considerable stocks of oil still awaiting export at the close of the past year. Large shipments of oil fuel have been made to the Admiralty and constitute the largest part of the oil exported from the Colony; most of the lighter products are now exported to private

firms During the early part of the year 1920, a considerable increase in the bunker trade was experienced; this increase was not sustained as towards the close of the past year, the demand for bunker oil materially declined.

7. The following table shows the number of feet drilled and the quantity of oil produced during the period under review, as compared with the years 1918 and 1919:—

	Year ended 31st December, 1918.		Year ended 31st December, 1919.		Year ended 31st December, 1920.	
	Feet drilled.	Oil won. Imp. Gals.	Feet drilled.	Oil won. Imp. Gals.	Feet drilled.	Oil won. Imp. Gals.
Crown Lands ...	47,487	55,609,748	49,122	53,534,295	53,404	61,532,046
Private Lands ...	6,751	17,262,650	18,937	10,902,337	23,972	11,373,901
Totals ...	54,238	72,872,398	68,059	64,436,632	77,376	72,905,947

During the year 1920 the number of new wells drilled was 67 (44 on Crown Lands and 23 on Private Lands), a total increase of 14 over the previous year. In 41 of these wells oil was struck. The total number of wells drilled in the Colony from the commencement of operations to 31st December last was 523, of which 313 were on Crowns Lands.

8. At the close of the year 1920, 22 Companies were engaged in the winning of oil as against 13 at the end of the year 1919.

9. The Trinidad Leaseholds Limited, in addition to continuing its operations on the Morne L'Enfer Forest Reserve and Barrackpore Fields during the past year, also continued drilling in the Piparo and Santa Cecilia districts. In both of the latter districts, however, operations were suspended before the close of the year 1920. This Company has continued to obtain a large production from its fields at Morne L'Enfer Forest Reserve and Barrackpore, the whole of which has been treated at its Refinery at Pointe-à-Pierre. Large shipments of oil fuel have been exported to the Admiralty from the Company's shipping depot at Pointe-à-Pierre, and in addition there has been a considerable shipment of oil fuel for bunker purposes. The Company's Refinery has been worked during the whole of the past year the products manufactured being Oil Fuel, Kerosene, White Oil and Petrol. Although work on the additions to the Refinery as mentioned in my last report has been continued during the whole of the year under review, these additions have not as yet been completed.

10. The Trinidad Lake Petroleum Company Limited did no drilling on its private lands at Brighton, but still continues to produce oil from wells previously drilled. This Company exported a considerable quantity of oil during the past year, which had been in stock for some time owing to the difficulty of obtaining shipment.

11. The Petroleum Development Company, Limited, has continued drilling on the lands held by it under lease on the Morne L'Enfer Forest Reserve. A very large increase in production on the part of this Company has resulted in the past year, as a number of the new wells drilled have proved exceedingly prolific.

12. The operations of the United British Oilfields of Trinidad, Limited, has been chiefly confined to the Parry area in the Morne L'Enfer Forest Reserve. A considerable amount of drilling has been done by this Company during the past year, as a consequence of which the area of the fields under operation has been greatly extended. The production of this Company has, as before, been pumped to Point Fortin and sold to its allied Company, the United British Refineries, Limited, which refined the crude oil and marketed the products.

13. The United British West Indies Petroleum Syndicate, Limited closed down operations at Moruga at the end of 1919, but has continued drilling on the Los Bajos field. A moderate production is being obtained by this Company, from this latter field which is pumped to Point Fortin and sold to the United British Refineries, Limited.

14. The Trinidad Central Oilfields, Limited, has continued drilling operations on the Crown Lands held under lease by it at Tabaquite. The production found in this district as before, has been of a high grade oil. I regret, however, to have to report that the quantity produced during the past year has not been so great as during the year 1919.

15. The Perseverance Estate at Guapo, owned by Mr. C. C. Stollmeyer, has been purchased by the Kern Trinidad Oilfields, Limited, a subsidiary Company of the Kern River Oilfields of California, Limited. There has been a small production of oil from the estate during the past year, but the Company is now actively engaged in building roads and opening up this property with a view to subsequent drilling operations, a considerably increased production should result in the near future, as a consequence.

16. No drilling was done by the Trinidad United Oilfields, Limited, on the Crown Lands held by this Company under Lease at Palo Seco. At the date of my report, however, a well is in process of being drilled but so far no oil has been struck.

17. The Oropuche Oilfields, Limited, continued drilling operations on its private lands which adjoin the property of the Trinidad Leaseholds, Limited, in the Morne L'Enfer Forest Reserve. Towards the close of the year 1920 a very largely increased production was obtained. The production of this Company has been sold to the Trinidad Leaseholds Limited.

18. The Fyzabad Oilfields of Trinidad, Limited, continued drilling operations on its private lands near San Francique Road during the early part of the past year. No oil, however, was obtained, and during the latter part of the year operations have been suspended.

19. The Transvaal and Rhodesian Estates, Limited, has transferred its properties to the Globe Oilfields, Limited, but this latter Company has not yet commenced drilling operations on the properties thus acquired.

20. The Anglo-Trinidad Oil Company, Limited, undertook drilling operations in the San Francique and Fyzabad districts, but was not successful in obtaining oil. Preparations are now being made by this Company to commence drilling in the Rio Claro area.

21. The Trinidad National Petroleum Company, Limited, drilled wells in the Poonah and Madingo Road districts. Accidents were met with in each of its wells before oil in commercial quantities was struck, and operations have now for some time been suspended.

22. Drilling on private lands in the Fyzabad district was commenced by the Trinidad Oil Producing and Refining Company, Limited. The Company obtained from this area a production of oil which has been sold to the Trinidad Leaseholds Limited.

23. The Apex (Trinidad) Oil Company, Limited, undertook drilling operations in the early part of the year on the Santa Maria Estate near Fyzabad. This Company has maintained a very active programme during the period under review, and oil has been struck in several of the wells. The resulting production has been sold by the Apex Company to the Trinidad Leaseholds Limited.

24. The Amalgamated Oilfields of Trinidad, Limited, is now engaged in drilling a well in the Moruga district, but up to the present no oil has been struck.

25. The Trinidad Freeholds, Limited, put in hand operations on private lands adjoining the area held under lease by the Trinidad Leaseholds, Limited, at Fyzabad. The resultant production has been sold to the Trinidad Leaseholds, Limited.

26. The Uroz Oilfields, Limited, (to whom a Prospecting Licence over some 1,500 acres of alienated lands on which the Crown holds the oil rights was issued) commenced work on its private lands in the Piparo district. At the time of my report, operations had also been commenced by this company in the Charuma district on the area held under Prospecting Licence.

27. During the past year, drilling operations have been commenced on private lands by the following Companies:—

British Controlled Oilfields, Limited.  
 Trinidad Esmeralda Estates, Limited.  
 Trinidad-Tarouba Oil Development Company.  
 General Petroleum Company of Trinidad, Limited,

but oil has not yet been produced by any of them in Commercial quantities.

28. The Royalty earned during the year amounted to £18,710. Of this, £18,609 accrued under leases and £101 under licences. The amount earned during the year 1919 was £17,205 which shows a total increase of £1,505 during the past year. The Revenue obtained from Wayleaves for oil piped along the Trinidad Government Railway and the Public Roads of the Colony, was as follows:—

Wayleaves from Railways	...	...	...	£3,286
Do. Do. Roads	...	...	...	£1,365

29. Fees charged for crossing the foreshore, Railway and Roads with pipelines, amounted to £16.

30. The various Oil Companies have regularly submitted to the department the returns required to be furnished by them in respect to their operations. These, after being checked, have been filed with the office records of this Department.

31. INSPECTION. The work of the Inspecting Officers of the Department has considerably increased during the past year, owing to the number of new Companies which have started active operations. The various Oilfields have been regularly inspected and in addition a considerable number of special inspections arising out of accidents and in connection with Royalties, Wayleaves, etc., has been executed. In the majority of cases the provision of the Ordinances and Regulations relating thereto, have been carefully carried out. It has not been necessary to institute any prosecution for breaches of the law.

32. LEASES AND LICENCES. A Prospecting Licence over 1,507 acres of alienated lands, on which the Crown holds the oil rights, was issued to the Uroz Oilfields, Limited. A considerable number of applications for licences to Prospect for oil on lands over which the Government holds the oil rights has been received. These applications are under consideration.

33. QUARRIES. The remarks made in my last report for 1919 on this subject still hold good. With the exception of the Eastern and Carrera Quarries, both owned by the Government, the Quarries, at present being worked in the Colony are relatively unimportant. Regular inspections have been carried out, and, in most cases, it has been found that such quarries have been operated in a careful manner. During the year 1920 the number of quarries worked amounted to 62 as compared with 66 at the end of 1919.

34. WORK UNDER THE PETROLEUM ORDINANCE No. 20 of 1915. The premises, in which the various products of Petroleum are stored, have been regularly inspected by the officers of this Department, and it has generally been found that the utmost care has been observed by the owners of such premises. It was necessary to institute one prosecution against a Garage Manager for storing Petrol without a licence.

35. PREVENTION OF ACCIDENTS ORDINANCE No. 13 of 1915. I am pleased to be able to record that the owners and managers of the various factories co-operate with this Department in insuring safety to the workmen in their employment. In general, the machinery in the various factories, is most efficiently protected. In all, 83 factories in Trinidad and 12 in Tobago were worked during the past year. The total number of accidents was 8, only one of which proved fatal.

#### Work under the Asphalt Industry Ordinance.

36. Work has not been recommenced on the village lots at La Brea and I am not in a position to state when this industry is likely to be recommenced.

37. APPENDICES. Appendix A shews the average number of persons employed and the quantity and value of minerals obtained.

In Appendix B the list of accidents is given and indicates that they are such as are incidental to all industrial operations of this class.

In Appendix C is given a list of Mines, Oilfields and Quarries worked during the year 1920.

A comparative statement of oil produced, refined and exported is shewn at Appendix D.

38. STAFF. I have the greatest pleasure in recording the very able and loyal assistance I have received from the members of the Staff.

31st March, 1921.

A. P. CATHERALL,  
Acting Inspector of Mines.

## APPENDIX A.

Daily average number of persons employed and quantity and value of Minerals obtained from Mines, Oilfields and Quarries, during the year ended 31st December, 1920.

MINERALS.	Daily average number of persons employed.		Total.	Quantity.	Approximate Value.
	Males.	Females.			
Oil ... ..	3,990	56	4,046	72,905,947 Imp. Gals.	£ 379,302
Asphalt ... ..	400	80	480	141,100 Tons ...	88,187
Manjak ... ..	24	1	25	134 ,, ...	698
Private Quarries (Limestone Gravel, etc.)..	233	98	331	116,391 ,, ...	11,860
Government Quarries (Limestone, etc.) ..	305	117	421	75,097 ,, . . .	14,059

NOTE.—The difference in value between metal won from Private Quarries and Government Quarries is that the former consists of both Limestone and Gravel whilst the latter is chiefly Limestone.

## APPENDIX B.

List of accidents which occurred at Mines, Oilfields and Quarries, during the year ended 31st December, 1920, reported under section 19 of Ordinance, No. 13 of 1907.

NAME OF MINE, OILFIELD OR QUARRY.	DATE.	NUMBER OF ACCIDENTS REPORTED.			
		Minor.	Serious.	Fatal.	Total.
Masson's Quarry ... ..	24th March ... ..	...	1	...	1
Trinidad Central Oilfields, Ltd.	20th October ... ..	...	1	...	1
	26th November ... ..	...	1	1	2
	7th December ... ..	1	...	...	1
United British Oilfields of Trinidad, Ltd.	4th March ... ..	...	1	...	1
	4th August ... ..	...	1	...	1
	15th do. ... ..	1	...	...	1
	16th September ... ..	...	...	1	1
	22nd November ... ..	...	1	...	1
United British West Indies Petroleum Syndicate, Ltd.	26th January ... ..	1	...	...	1
	30th June ... ..	...	...	...	1
Apex (Trinidad) Oilfields, Ltd.	9th June ... ..	...	1	...	1
	3rd July ... ..	1	...	...	1
Trinidad Leaseholds, Limited	16th January ... ..	2	...	...	2
	16th do. ... ..	1	...	...	1
	4th February ... ..	...	...	1	1
	1st March ... ..	...	1	...	1
	8th do. ... ..	1	...	...	1
	9th do. ... ..	...	1	...	1
	27th do. ... ..	1	...	...	1
	29th do. ... ..	...	...	1	1
	8th April ... ..	...	1	...	1
	12th August ... ..	1	...	...	1
	15th do. ... ..	...	1	...	1
	21st September ... ..	1	...	...	1
Anglo-Trinidad Oil Co., Ltd.	20th August ... ..	...	1	...	1
	12th February ... ..	...	1	...	1
New Trinidad Lake Asphalt Company, Ltd.	5th April ... ..	...	1	...	1
	8th June ... ..	...	1	...	1
		15	15	4	34

APPENDIX C.

No.	Name.	Situation.	Owner and Address.	Manager.	Daily average Number of persons employed.	Mineral worked.
9	Trinidad Lake Petroleum Co., Ltd.	Brighton ...	Trinidad Lake Petroleum Co., Limited, Brighton ...	Paul Munoz	111	Oil.
10	Petroleum Development Co., Ltd.	Forest Reserve ...	Petroleum Development Co., Ltd., Brighton ...	Do.	86	"
11	Oropuche Oilfields, Limited	Fyzabad ...	Oropuche Oilfields, Ltd., Pointe-à-Pierre Road, San Fernando...	A. W. Ibbett	78	"
12	Trinidad-Tarouba Oil Development Co.	Williamsville ...	Trinidad-Tarouba Oil Development Co., Royal Bank Buildings, Marine Square, Port-of-Spain	E. K. Soper	25	"
13	Apex (Trinidad) Oilfields, Ltd.	Fyzabad ...	Apex (Trinidad) Oilfields, Ltd., 208-224, Salisbury House, London, E.C., England	H. C. B. Hickling	80	"
14	Transvaal & Rhodesian Estates, Limited	Pointe Ligoure ...	Transvaal & Rhodesian Estates, Ltd., 18, Chacon Street, Port-of-Spain	Percy Cowderoy	2	"
15	British Controlled Oilfields, Ltd.	Santa Lucia, Williamsville...	British Controlled Oilfields, Ltd., 27, Marine Square, Port-of-Spain	C. R. Clark	116	"
16	Uroz Oilfields, Ltd.	Williamsville ...	Uroz Oilfields, Ltd., 9, St. Vincent Street, Port-of-Spain ...	J. R. Falconer	68	"
17	Trinidad Esmeralda Estates, Ltd.	Do. ...	Trinidad Esmeralda Estate, Ltd., 9, St. Vincent Street, Port-of-Spain	C. B. Gasson	10	"
18	Kern Trinidad Oilfields, Ltd.	Guapo ...	Kern Trinidad Oilfields, Ltd., Guapo ...	C. C. Stollmeyer	5	"
19	Anglo-Trinidad Oil Co., Limited	Oropuche ...	Anglo-Trinidad Oil Co., Ltd., Pointe-à-Pierre Rd., San Fernando	A. W. Ibbett	31	"
20	Trinidad United Oilfields, Limited	Palo Seco ...	Trinidad-United Oilfields, Ltd., 40-42, Broad St. Ave., London	George Rooks	12	"
21	Trinidad Freeholds, Ltd.	Fyzabad ...	Trinidad Freeholds, Ltd., Henry Street, Port-of-Spain	Trinidad Leaseholds, Ltd.	20	"
22	Trinidad Leaseholds, Ltd.	Do. ...	Trinidad Leaseholds, Ltd., 76, Marine Square, Port-of-Spain ...	Hon. H. S. Fuller	674	"
23	Do. do.	Pointe-à-Pierre...	Do. do. do.	Do.	643	"
24	Do. do.	Barrackpore ...	Do. do. do.	Do.	150	"
25	Do. do.	Siparia ...	Do. do. do.	Do.	15	"
26	Do. do.	Piparo ...	Do. do. do.	Do.	37	"
27	Do. do.	Guayaguayare ...	Do. do. do.	Do.	10	"
<i>Mines.</i>						
28	New Trinidad Lake Asphalt Co., Limited	La Brea ...	New Trinidad Lake Asphalt Co., Ltd., Brighton ...	Paul Munoz	480	Asphalt.
29	Vistabella	San Fernando ...	Trinidad-Tarouba Oil Development Company ...	E. K. Soper	25	Manjak.
<i>Quarries.</i>						
1	Matchaporie Quarry	Talparo Road ...	Trinidad Government, Port-of-Spain ...	District Engineer, North Caroni	8	Limestone.
2	San Chu Chu	Tamana ...	Do. do. ...	Do. do. ...	4	Do.
3	Chin Chin Extension Road	Chin Chin Extension Road..	Do. do. ...	Do. do. ...	15	Do.
4	Buenos Ayres Quarry	Erin Road ...	Do. do. ...	District Engineer, Siparia	13	Porcellanite.
5	Siparia Quarry	do. ...	Do. do. ...	Do. do. ...	9	Do.
6	Morne Diable No. 2	Morne Diable ...	Do. do. ...	Do. do. ...	28	Limestone.
7	Southern Road 73½ mile	Southern Central Road 73½ mile	Do. do. ...	District Engineer, Cedros	5	Porcellanite.
8	Southern Road 71¼ mile	Southern Central Road 71¼ mile	Do. do. ...	Do. do. ...	22	Do.
9	Corosal Quarry	Corosal Road ...	Do. do. ...	District Engineer, San Fernando	3	Limestone.

APPENDIX C.—CONTINUED.

No.	Name.	Situation.	Owner and Address.	Manager.	Daily average Number of persons employed.	Mineral worked.
<i>Quarries.—Contd.</i>						
10	Mayo Quarry	Mayo Quarry Road	Trinidad Government, Port-of-Spain	District Engineer, San Fernando	4	Limestone.
11	Morichal	Morichal Local Road	Do. do.	Do. do.	6	Do.
12	Morne Roche	Morne Roche Quarry Road	Do. do.	Do. do.	4	Do.
13	Carrera	Carrera Island	Do. do.	Superintendent of Prisons	72	Do.
14	Mount Parnassus	Scarborough	Do. do.	District Engineer, Tobago	2	Rotten Rock.
15	Brasso Quarry	Brasso Caparo Station Road	Do. do.	District Engineer, South Caroni	4	Limestone.
16	Moreau	Moreau Road	Do. do.	District Engineer, Princes Town	10	Sandstone.
17	Moruga	Moruga Road	Do. do.	Do. do.	14	Do.
18	Plum Road Quarry	Plum Road	Do. do.	Do. St. Andrew	10	Limestone.
19	Fishing Pond Road 4½ mile	Fishing Pond Road	Harry Morton, Tunapuna	Do. do.	3	Porcellanite.
20	Fishing Pond Road 2½ mile	do. do.	Trinidad Government, Port-of-Spain	Do. do.	7	Do.
21	Mandillon	Mandillon Road	Do. do.	Do. do.	3	Do.
22	Guaico-Tamana 7½ mile	Guaico Tamana	Do. do.	Do. do.	3	Do.
23	Guaico-Tamana 8½ mile	Do.	Do. do.	District Engineer, St. Andrew	18	Limestone.
24	Guaico-Tamana 11 mile	Do.	Do. do.	Do. do.	6	Do.
25	Eastern Quarries	Laventille	Do. do.	F. J. Horsford	116	Do.
26	Cutucupano	Santa Cruz	Do. do.	District Engineer, Port-of-Spain	5	Do.
27	Morne Coco	Morne Coco Road	Do. do.	Do. do.	8	Do.
28	River Estate	Diego Martin	Do. do.	Do. do.	6	Do.
29	Chatham Road 5th mile	Chatham Road	Do. do.	Do. Cedros	5	Porcellanite.
30	Tabaquite-Nariva	Tabaquite-Nariva	Do. do.	District Engineer, Nariva-Mayaro	9	Limestone.
31	Gonzales Quarry	Port-of-Spain	City Corporation, Port-of-Spain	City Engineer	3	Do.
32	Thomas Bay	Gasperee Island	A. Augustine, Thomas Bay, Gasperee	A. Augustin	4	Do.
33	Circular Road	San Fernando	Louis Charles, San Fernando	C. A. Lucas	1	Gravel.
34	Glendale	Do.	H. R. McLean, 27-29, Circular Road, San Fernando	H. R. McLean	30	Do.
35	Duke Street Quarry	Port-of-Spain	Virginia Prime, 12, Duke Street, Port-of-Spain	Wm. Bowers	11	Limestone.
36	La Pique	San Fernando	T. L. Dunsire, Pointe-à-Pierre Road, San Fernando	J. Hurdle	3	Gravel.
37	Champs Elysees	Maraval	Mrs. P. de Boissière, Champs Elysees, Maraval	Jules Thomas	10	Sand and Gravel.
38	Borough Council	San Fernando	Borough Council, San Fernando	J. J. Waddell	1	Gravel.
39	Adivinanza	Princes Town	Heirs of Riddell, Princes Town	C. H. Packer	8	Sandstone.
40	Prizgar	Laventille	Trinidad Shipping & Trading Co., Ltd., 84, Marine Square, Port-of-Spain	C. C. Carmichael	16	Limestone.
41	Point Baleine	Gasperee Island	A. G. Agostini, 69, Marine Square, Port-of-Spain	J. A. Blondell	9	Do.
42	Usine	San Fernando	Ste. Madeleine Sugar Co., Ltd., San Fernando	N. Fleming	10	Gravel.
43	La Corona	Tamana	Do. do.	R. de Verteuil	7	Limestone.
44	Pandohi	Carapichaima	Benjamin Pandohi, Chickland Junction	Benjamin Pandohi	3	Gravel.
45	Stollmeyer	Guapo	C. C. Stollmeyer, Port-of-Spain	E. Pereira	3	Sandstone.
46	Masson	Pointe Gourde	Lee Lum & Co., 31, Charlotte Street, Port-of-Spain	Conrad Smith	15	Limestone.
47	Archer Quarry	Laventille	H. H. Archer, 5, St. Joseph Road, Port-of-Spain	Walter Purvis	16	Limestone.



APPENDIX C.—CONTINUED.

No.	Name.	Situation.	Owner and Address.	Manager.	Daily average Number of persons employed.	Mineral worked.
<i>Quarries.—Contd.</i>						
48	St. Joseph	San Fernando	A. W. Harewood & P. P. Pickering, San Fernando...	P. P. Pickering	4	Gravel.
49	Mitchell's Bay	Pointe Gourde	John Edwards, 45, Queen Street, Port-of-Spain	J. Edwards	1	Limestone.
50	Baldeo	Gasparillo	Mahabir, Maharaj & Co., San Fernando...	H. Gajadaharsingh	3	Do.
51	La Coulee	San Fernando	Heirs of Joaquim, San Fernando	S. Passeur	1	Gravel.
52	Verdant Vale	Arima	Trinidad Cocoa & Coffee Co., Ltd., Arima	E. Tatcher	1	Limestone.
53	Bourne's Bay	Gasparce Island	Geo. F. Higgins & Co., Ltd., Port-of-Spain	C. Archibald	6	Do.
54	Mahon's	Pointe Gourde	Do. do. do.	Do.	4	Do.
55	Renoun	Do.	C. Archibald, 22, Sweet Briar Road, Port-of-Spain	C. Cambridge	6	Do.
56	Aranguet	San Juan	John H. Rapsey, San Juan	G. L. Yearwood	10	Gravel.
57	Clark's	Laventille	Chas. Newallo, 38, Belle Eau Road, Port-of-Spain	Chas. Newallo	30	Limestone.
58	Arena	Guanapo	M. Lange, Guanapo	M. Lange	1	Gravel.
59	Monte Cristo	Guiaco-Tamana	H. Monceaux, Cumuto	E. E. Monceaux	1	Limestone.
60	Plum Road	Manzanilla	Manzanilla Local Road Board	L. S. Daly	1	Do.
61	La Carriere	Pointe-à-Pierre...	Trinidad Leaseholds, Ltd., 76, Marine Square, Port-of-Spain	Hon. H. S. Fuller	108	Sandstone.
62	Charles	San Fernando	Louis Charles, Chacon Street, San Fernando	C. A. Lucas	1	Gravel.
1	Trinidad Central Oilfields, Ltd.	Tabaquite	Trinidad Central Oilfields, Ltd., 2 Broad Street Place, London E.C. 21	R. H. May	938	Oil.
2	United British Oilfields of Trinidad, Ltd.	Point Fortin	United British Oilfields of Trinidad, Ltd., 15, Abercromby Street, Port-of-Spain	F. J. Flemming	767	Oil.
3	United British West Indies Petroleum Syndicate, Ltd.	Siparia	United British West Indies Petroleum Syndicate, Ltd., 15, Abercromby Street, Port-of-Spain	Do.	119	Oil.
4	Trinidad Oil Producing & Refining Co., Ltd.	Fyzabad	Trinidad Oil Producing & Refining Co., Ltd., Pointe-à-Pierre Road, San Fernando	A. W. Ibbett	9	Oil.
5	Trinidad National Petroleum Co., Ltd.	Williamsville and Mandingo Road	Trinidad National Petroleum Co., Ltd., Pointe-à-Pierre Road, San Fernando	Do.	14	Oil.
6	General Petroleum Co. of Trinidad, Ltd.	Fifth Company...	General Petroleum Company of Trinidad Ltd., Pointe-à-Pierre Road, San Fernando	Do.	9	Oil.
7	Amalgamated Oilfields of Trinidad, Ltd.	Moruga	Amalgamated Oilfields of Trinidad, Ltd., Pointe-à-Pierre Road, San Fernando	Do.	18	Oil.

APPENDIX D.--Comparative Statement of Oil produced, refined and exported year by year since inception of industry.

YEAR.	Production in Gallons.	Quantity of Crude Oil refined in Gallons.		Quantity of Crude and Refined Oil exported in Gallons.
1905-1909-10 ... ..	368,934	...	...	...
1910-11 ... ..	4,378,942	...	...	...
1911-12 ... ..	9,985,748	Previous to 1912-13	1,324,468	7,685,374
1912-13 ... ..	17,626,563		331,928	4,295,707
1913-14 ... ..	22,523,060		1,227,134	13,570,152
1914-15 ... ..	36,753,931		1,449,445	12,192,289
9 months ended December, 1915	23,489,362		2,045,286	14,286,585
1916 ... ..	32,475,695		3,773,770	34,129,955
1917 ... ..	56,080,914		17,675,068	37,777,919
1918 ... ..	72,872,398		73,722,915	45,689,234
1919 ... ..	64,436,632		40,248,014	49,219,226
1920 ... ..	72,905,947		48,842,055	36,221,728
	413,898,126		190,640,083	255,068,169

Statement of work done at Oilfields by various Companies during the year ended 31st December, 1920.

NAME OF COMPANY.	NO. OF WELLS DRILLED.				FEET DRILLED.		OIL EXTRACTED IN IMPERIAL GALLONS.		REMARKS.
	Private.	Oil Struck.	Crown.	Oil Struck.	Private.	Crown.	Private.	Crown.	
United British Oilfields of Trinidad, Limited ...	2	2	10	5	3,776	12,992	2,917,656	7,411,608	
Trinidad Lake Petroleum Co., Ltd. ...	...	...	...	...	...	...	2,530,530	...	
*Kern River Oilfields of California, Ltd. ...	...	...	...	...	1	...	67,595	...	
Trinidad Central Oilfields, Limited ...	...	...	9	4	...	9,329	...	3,383,649	
Trinidad National Petroleum Co., Ltd. ...	2	...	...	...	1,635	...	...	...	
Oropuche Oilfields, Limited ...	1	1	...	...	2,165	...	2,484,790	...	
†Petroleum Development Company, Ltd. ...	...	...	2	2	...	3,678	...	10,167,981	
Trinidad Leaseholds, Ltd., (Forest Reserve, &c.) ...	2	1	12	10	1,808	16,879	6,930	36,010,660	
Do. do. (Barrackpore) ...	1	1	6	6	1,153	4,936	1,995,735	2,925,300	
Transvaal & Rhodesian Estates, Ltd. ...	...	...	...	...	...	...	11,860	...	
United British West Indies Petroleum Syndicate, Ltd. ...	...	...	5	3	...	5,790	...	1,592,640	
Trinidad United Oilfields, Limited ...	...	...	...	...	...	...	...	40,208	
Anglo-Trinidad Oil Company, Limited ...	1	...	...	...	590	...	...	...	
Trinidad Oil Producing & Refining Co., Ltd. ...	1	1	...	...	753	...	529,480	...	
†Apex (Trinidad) Oilfields, Limited ...	4	3	...	...	4,847	...	281,610	...	
Amalgamated Oilfields of Trinidad, Limited ...	1	...	...	...	656	...	...	...	
Trinidad Freeholds, Limited ...	2	2	...	...	2,239	...	547,715	...	
Uroz Oilfields, Limited ...	1	...	...	...	1,185	...	...	...	
British Controlled Oilfields, Ltd. ...	2	...	...	...	1,624	...	...	...	
Trinidad Esmeralda Estates, Limited ...	1	...	...	...	805	...	...	...	
Trinidad-Tarouba Oil Development Co. ...	1	...	...	...	170	...	...	...	
General Petroleum Company of Trinidad, Ltd. ...	1	...	...	...	565	...	...	...	
	23	11	44	30	2.				

# **ERRATA**

## **Council Paper No. 37 of 1921**

Items numbered 1 to 7 on page 9 to be read at the beginning of page 7, and items numbered 9 to 29 on page 7 to be read as 8 to 28 instead.