UNIVERSITY OF COLORADO

# DEPARTMENT REPORT

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JAMES DUCE

OF

# State Inspector of Oils

# STATE OF COLORADO



JANUARY 1ST, 1929 TO DECEMBER 31ST, 1929

Compiled by CHARLES B. PRIOR Bookkeeper and Statistician

THE BRADFORD-ROBINSON PTG. CO., DENVER

SCHOOL OF CITIZENSHIP AND PUBLIC ADMINISTRATION DOCOMENTS 5-0~5 1:929

UNIVERSITY OF COLORADO

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> SCHOOL OF CITIZENSHIP AND PUBLIC ADMINISTRATION

2-2-31

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To the Honorable WM. H. ADAMS, Governor of Colorado, State Capitol Building, Denver, Colorado.

#### Dear Sir:

As directed by the Statutes I hand you herewith the financial and laboratory reports of this department.

In doing so I wish to acknowledge the loyal work of the employees of the department.

Respectfully submitted,

JAMES DUCE, State Inspector of Oils. Denver, Colorado. February 8th, 1930.

> MR. JAMES DUCE, State Inspector of Oils, Capitol Building, Denver, Colorado.

Dear Sir:

I submit to you herewith a complete detailed report of the Oil Inspection Department for the calendar year ending December 31, 1929, as compiled from the books and records of the department.

Acting upon your suggestion, I have included considerable statistical information that is not generally available, but which will no doubt be of interest to the general public.

This report has been approved by the State Public Examiner.

Very respectfully,

CHARLES B. PRIOR, Bookkeeper and Statistician.

# Annual Report State Inspector of Oils

#### GENERAL CASH STATEMENT

Will be found in the first statement of this report taken from an analysis of the cash book and general ledger, full details of the collection and disposition of all cash received by this department being included therein.

Schedule S is a comparative statement showing assessment of taxes and collections, also amount collected at the end of the calendar year, being 985/10 per cent of all assessments. Detailed receipts, of which a carbon copy is retained in the department, are issued for all cash received, such receipts being properly entered in the general cash book and posted therefrom to the ledgers.

All such receipts and postings have been carefully checked and verified and found correct, the same balancing with the State Auditor's report. See Schedule M.

#### GASOLINE TAXES

Collections of the former **One-Cent** gasoline tax are all being collected by monthly installments, as per agreement with the former attorney generals (said agreements being on file in our office) except those in litigation. The ledger statement of the above giving all necessary information will be seen by turning to Schedule B. The balance due the state being \$19,497.47.

Collections of the former **Two-Cent** gasoline tax, the balance due the state being \$2,789.60, are all being settled by the attorney general either by payment or litigation, see the ledger statement, Schedule D, for full particulars.

Collection of the former **Three-Cent** gasoline tax, the balance due the state being \$43,880.12, has all been collected except those in litigation, a few firms bankrupt, which should be written off, the largest in litigation being Weld County and the Board of Water Commissioners of Denver. See Schedule E and G No. 2 for details.

Suspense Accounts. Schedule E consists of all One, Two and Three-Cent delinquent taxes in process of settlement.

Judgment Accounts. Schedule F No. 1, firms and individu-

als against whom the state holds judgments for non-payment of taxes.

Collections of the **Four-Cent** tax from May 1, 1929, to December 31, 1929, together with the taxes assessed, are detailed in the earning statement under Schedule I No. 1, the balance due the state December 31, 1929, being \$34,825. In Schedule I No. 2 the ledger statement accounts for the above balance, all of which has been paid except what is in litigation; also in Schedule I No. 3 will be found a list of all delinquent taxpayers together with full explanation of such delinquency, this list being submitted to the Attorney General for collection December 31, 1929. All taxpaying gasoline dealers are under a \$3,000.00 surety bond for the payment of their taxes as required by House Bill No. 529, May 1, 1929.

Inspection Fees. Balance due the state on the old One-Cent and Two-Cent tax law amounts to \$1,182.32; \$909.37 is covered by Judgments and \$272.95 is in the attorney general's hands for collection. See Schedule H No. 4. Inspection Fees under the Three-Cent tax, the collection of which was declared illegal by the Supreme Court and all fees collected were returned by an Act of the Legislature, House Bill No. 516, May 21, 1929. Warrants being drawn by the State Treasurer in favor of James Duce, State Inspector of Oils, and by him paid by check to dealers entitled thereto. See for detailed information, Schedule H No. 1. The Inspection Fees paid under protest were returned to the dealers by check from James Duce, State Inspector of Oils, after receiving warrants from the State Treasurer, from the Special Protest Fund kept by him as a separate account, full details of which are detailed in Schedule H No. 2.

License Fund. The act creating this fund was repealed by House Bill No. 529, which went into effect May 1, 1929. Full details of this fund and disposition thereof will be found in Schedule R.

State Auditor's account verifying all of our cash statements are included in Schedule M.

#### OPERATING COST

The Operating Statement of the department includes a detailed analysis of all expenses paid, the amount for the calendar year being \$49,889.24, which includes \$5,314.85 of Laboratory expenses for shale oil investigations in co-operation with the U. S. Bureau of Mines, together with expenses of Gasoline Tests, which amounted to \$2,221.00 of the \$5,314.85 mentioned above. See Schedule L.

State Auditor's Account verifying above will also be found in Schedule L.

#### APPORTIONMENT OF GASOLINE TAX

All revenue arising from taxes collected on gasoline is apportioned to the state road fund and to the various counties in proportion to the mileage of the state roads in each county.

A complete statement of such apportionment during the calendar year for the counties will be found in Schedule N, together with mileage of each county. Protested Tax from a special fund, \$60,430.41. Total Tax apportioned to counties, \$1,-455,430.41.

State Auditor's Account gives detailed account of disposition of all funds received from State Inspector of Oils. See Schedule M.

#### INSPECTOR'S REVOLVING FUND

This fund was established by the state auditing board to enable the inspector of oils to refund taxes erroneously collected on gasoline used for purposes other than those specified by law, detailed statement of refunds paid out, and reimbursement to the fund by the state auditing board, together with the balance remaining in fund, \$39,457.99, will be found in Schedules O, P, Q No. 1 and Q No. 2.

The Cash Refunds paid out for the calendar year 1929 amounted to \$431,160.03, a comparative statement of all refunds by the month from 1923 to 1929 are enumerated in Schedule Q No. 2.

Gasoline Dealers upon whom the tax has been assessed with total gallonage on 3c and 4c tax used by them in the 13 months, November 1, 1928, to December 31, 1929, will be found in alphabetical order in Exhibit A.

**Penalties** have been assessed and paid by all dealers delinquent in payment of taxes to the amount of \$954.18, except where written authority to forego the penalty was given by the Attorney General's office. See Schedule U for details and list of collections.

Collections of Inspection Fees and Gasoline Taxes for the

calendar years 1913 to 1929, with percentages of increase over previous years. See Exhibit B.

Gasoline and Refined Oil, total gallons inspected from 1913 to 1929 and the total expenses for each year's inspection and collection of taxes, also per cent of cost per 1,000 gallons will be found in Exhibit C.

Collection Costs of Inspection Fees and Gasoline Taxes per One Dollar from 1913 to 1929. See Exhibit D.

Increase in Gallons of Gasoline consumed in Colorado from 1913 to 1929 with percentage over former years are enumerated in Exhibit E.

**Delinquent Taxes** of the 1c, 2c, 3c and 4c tax from 1925 to 1929 will be seen in the comparative statement of Exhibit F, this exhibit will show the vast improvement in collections.

Affidavit Samples of gasoline and refined oil, reports which have to be filed in this office by the 25th day of each month for the previous month's business. Exhibit G for railroad cars and Exhibit H for Tank Truck deliveries into or out of the state.

Source of Gasoline Supply is shown in Exhibit I, by names of states shipped from and number of gallons from 1914 to 1929.

**Gasoline Shipped into Counties** semi-annually and total gallonage for the year 1929 can be seen in alphabetical order by turning to Exhibit J.

**Gasoline Exported Out of Colorado** by states and the number of gallons may be seen by examination of Exhibit K.

Net Gallons of Gasoline Taxed, together with the totals of all exemptions from tax enumerated by the month for the calendar year 1929 will be seen by turning to Exhibit L.

Net Gallons of Refined Oil shipped into the State of Colorado and amount exported for the calendar year 1929, see Exhibit M.

Motor Vehicle Consumption Per Year will be found in Exhibit N which shows the consumption in comparison to number of registered motor vehicles, and the average number of gallons consumed per machine for each calendar year from 1914 to 1929 together with footnote of explanation.

Oil Laboratory Annual Report is shown with number of

tests of gasoline, 18,808, and other activities of the laboratory which shows an increase of 1,288 over the year 1928. See Exhibit O.

Shale Oil Investigations by the State of Colorado in co-operation with the U.S. Bureau of Mines. A very complete report of all activities will be found by turning to Exhibit P.

#### RECAPITULATION GENERAL CASH STATEMENT

The total cash receipts from Gasoline Taxes during the calendar year amounted to the sum of \$5,560,-348.03, all of which was properly remitted to the State Treasurer, as evidenced by receipts on file.

An analysis of the Cash Book and General Ledger shows the source of such collections as follows:

1	Cent	Tax\$ 2,421.79	
2	Cent	Tax	
3	Cent	Tax 1,752,458.45	
4	Cent	Tax 3,801,986.50	
	Tot	1	

#### \$5,560,348.03

#### GENERAL CASH STATEMENT

January 1, 1929, to December 31, 1929, (also includes December, 1928, inserted below)

			RECEIPTS			Inspection Fees		
	1c Tax	2c Tax	3c Tax	3c Tax Protested	4c Tax	Protested	Total Tax	
January, 1929	5 25.00 21.00 50.00 25.00 72.09 1,030.80 50.00 879.90 175.00 25.00 25.00	\$ 50.00 1,925.47  100.00 100.00 1,205.82 	$\begin{array}{c} \$ & 249,773.42 \\ 274,402.29 \\ 269,408.40 \\ 415,327.90 \\ 499,077.32 \\ 12,114.57 \\ \$,175.92 \\ 2,250.00 \\ 2,338.16 \\ 1,125.00 \\ 625.00 \end{array}$	\$ 9,164.69 8,675.78	\$ 2,650.65 428,345.90 518,743.08 617,114.15 707,760.06 563,119.01 548,378.52	No Inspection Fees taxed in 1929	$\begin{array}{c} \$ & 259,013,11 \\ & 283,099,07 \\ & 271,383,87 \\ & 415,352.90 \\ & 501,800,06 \\ & 441,591,27 \\ & 527,069,00 \\ & 620,344,05 \\ & 711,479,04 \\ & 564,269,01 \\ & 549,028,52 \\ & 549,016,016 \\ \end{array}$	
December, 1929	$\frac{25.00}{32,403.79}$	\$3,481.29	\$1,734,617.98 17,840.47	\$ 17,840.47	415,893.13 \$3,802,004.50		415,918.13 \$5,560,348.03	
Total 3c Tax			\$1,752,458.45					
December, 1928 Total 1c Tax December, 1928.	25.00 25.00		\$ 289,349.42 9,261.38	\$ 9,261.38		\$ 767.65	\$ 298,635.80	
Total 3c Tax December, 1928. Total Inspection Fees December						\$ 767.65		

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#### DISBURSEMENTS, 1929

Paid to State Treasurer-Gasoline	Road Tax	Fund	\$5,542,507.56
Paid to State Treasurer-Gasoline	Road Tax	Special Protest Fund	17,840.47

#### 

#### DISBURSEMENTS, DECEMBER, 1928

Paid to State Treasurer—Gasoline Road Tax Fund \$	289,374.42
Paid to State Treasurer—Gasoline Road Tax Special Protest Fund	9,261.38
Paid to State Treasurer—Oil Inspector's Cash Fund, Special Protest Fund	767.65

#### 

Note—November 30, 1928, there was carried forward to the following fiscal year \$174,332.84 of Protested Gasoline Road Tax, carried by the State Treasurer in a Special Fund from December, 1928, to February, 1929, the amount of \$27,101.85 was paid into the above fund, making a total of \$201,434.69 held in the above Special Fund; all of this amount was removed from the above fund and paid by the State Treasurer into the Gasoline Road Tax Fund upon the request of the corporations and individuals who had so protested the payment of their tax. All letters of authority are filed in the office of the State Inspector of Oils, in the general file under the file heading of "Protest Removals."

All Inspection Fees collected under the 3c Gasoline Tax Law have been returned to the taxpayers, complying with a decision of the Supreme Court of the State of Colorado.

The Inspection Fees collected having been paid into the treasury, an Act of the Legislature was necessary before the State Treasurer would have the authority to withdraw the amount from the treasury and repay the dealers who had paid Inspection Fees.

This was done by an Act, H. B. 516, and the full amount, \$29,328.44, was paid to the State Inspector of Oils, who in turn paid the dealers, either by check or credit. The full particulars, together with names and amounts, will be found in this report by examining the index, also the return of fees paid under protest.

#### SCHEDULE A

# EARNINGS STATEMENT—ONE-CENT TAX January 1, 1929, to December 31, 1929

Balance Due State Under Old One-Cent Tax Law, Nov. 30, 1928.....\$23,959.08

	CRE	DITS		
	Cash	Miscellaneous	Total	
December, 1928\$	25.00		\$ 25.00	25.00
Balance Due State December	31, 1928.			\$23,934.08
January, 1929\$	25.00		\$ 25.00	
February, 1929	21.00		21.00	
March, 1929	50.00	\$ 1,127.10	1,177.10	
April, 1929	25.00		25.00	
May, 1929	72.09	500.00	572.09	
June, 1929	1,030.80	31.91	1,062.71	
July, 1929	50.00	355.81	405.81	
August, 1929	897.90		897.90	
September, 1929	175.00		175.00	
October, 1929	25.00		25.00	
November, 1929	25.00		25.00	
December, 1929	25.00		25.00	
Totals\$	2,421.79	\$ 2,014.82	\$ 4,436.61	\$ 4,436.61
Balance Due State December 3	31, 1929			\$19,497.47

Note—The following are explanations of the Miscellaneous column: \$1,127.10 credit for 1% evaporation allowed by Supreme Court for 3c Tax. Forsythe Oil Co. \$500.00 per settlement of 1c Tax March 27, 1924. Forsythe Oil Co. agreement on balance due \$31.91. Error in cash entry, transfer 4c Tax to 1c Tax. Out West Oil Co. \$355.81, transfer from 2c Tax to 1c Tax account wrong entry 1924.

#### SCHEDULE B

#### LEDGER STATEMENT-ONE-CENT TAX

Judgment Accounts-	Tax	Remarks	
Northern Garage\$	6,306.87		\$ 6,306.87
Suspense Accounts-			
Denver Union Oil Co\$	835.06	Last payment \$150.00, Septem- ber 3rd.	
Forsythe Oil Co., Boulder.	699.02	In litigation.	
Forsythe Oil Co., Denver	5,651.39	Pays \$500.00 every 3 months.	
Great Western Oil Co	4,451.86	Process of correspondence.	
Loveland Filling Station	208.69	In litigation.	
Loser, Oliver	1,057.49	In litigation.	
Out West Oil Co	100.00	Last payment \$31.91, June 25th.	
Toliver & Kinney	187.09	Pays \$25.00 every month.	
			13,190,60

\$19,497.47

#### SCHEDULE C

# CREDITS-TWO-CENT TAX

#### January 1, 1929, to December 31, 1929

Balance Due State Under Old Two-Cent Tax Law, Nov. 30, 1928.....\$24,094.57

	Cash	Miscellaneous	Total	
December, 1928		\$19,207.96	\$19,207.96	19,207.96
Balance Due State December :	31, 1928			\$ 4,886.61
January, 1929\$			50.00	 .,
March, 1929	1,925.47		1.925.47	
April, 1929		827.99	827.99	
June, 1929	100.00		100.00	
July, 1929	100.00	286.35	386.35	
August, 1929	100.00		100.00	
September, 1929	1,205.82		1,205.82	
Totals\$	3,481.29	\$ 1,114.34	\$ 4,595.63	4,595.63
				\$ 290.98
April, 1929, Transfer from Ins	spection F	'ees		777.99
July, 1929, Transfer from 1c	Tax			355.81
July, 1929, Extra Charge Fors	ythe Oil (	Co., 1923		159.00
September, 1929, Charge Back	Judgmer	nt, account Star	key Filling	
Station		•••••		 1,205.82
Balance Due State December 3	1, 1929			\$ 2,789.60

Note—The following are explanations of the Miscellaneous column: \$827.99 transfer to 3c Tax account error Cash Book City and County of Denver, 1927; \$286.35 transfer to 3c Tax account error, 1923, Forsythe Oil Co.

#### SCHEDULE D

#### LEDGER STATEMENT-TWO-CENT TAX

Judgment Accounts-	Tax	Remarks	
Brooks and Hartman\$	374.76	Last payment Mar. 1, \$50.00.	
Shield Oil Co	1,018.46	Last payment Mar. 25, \$1,925.47.	
			\$ 1,393.22
Suspense Accounts-			
Forsythe Oil Co., Boulder.\$	87.46	Process of settlement.	
Mitchell Service Station	1,308.92	In hands of Atty. General.	
			1,396.38

\$ 2,789.60

#### SCHEDULE E

#### LEDGER STATEMENT—SUSPENSE ACCOUNT GASOLINE TAX

Tax	Name	Tax	Remarks
3c	Albin & Lindsey\$	1,451.08	Litigation.
3c	Buchanan, C. S	783.50	Process of settlement.
3c	Clark & Co. (Boulder)	1,210.20	In hands of Attorney General.
3c	Cohan, Jacob	2,905.74	In hands of Attorney General.
4c	Cohan, Jacob	4,236.60	In hands of Attorney General.
1c	Denver Union Oil Co	835.06	Last payment Sept. 3, \$150.00.
30	Denver Union Oil Co	68.83	Demanded this balance Sept.
1c	Forsythe Bros., Boulder	699.02	In hands of Attorney General.
2c	Forsythe Oil Co., Boulder	87.46	Process of settlement.
1c	Forsythe Oil Co., Denver	5,651.39	Pay \$500.00 every 3 months.
1c	Great Western Oil Co	4,451.86	Attorney General corresponding.
3c	Lincoln County	632.47	Paid January 13, 1930.
1c	Loser, Oliver	1,057.49	Litigation.
1c	Loveland Filling Station	208.69	In hands of Attorney General.
3c	Mellett Oil Co	481.26	Litigation.
2c	Mitchell Service Station	1,308.92	In hands of Attorney General.
3c	Mitchell Service Station	.08	In hands of Attorney General.
3c	Navy Gas & Supply Co.,		
	Denver	507.54	Paid January 11, 1930.
3c	Nisbet Oil Co	3,871.64	In hands of Attorney General.
1c	Out West Oil Co	100.00	Last payment June 25, \$31.91.
3c	Rio Oil Co	1,103.28	In hands of Attorney General.
3c	Robo Oil Co	4,285.22	In hands of Attorney General.
1e	Toliver & Kinney	187.09	Pay \$25.00 each month.
3c	Weld County, Greeley, 1928	3,887.13	Litigation.
3c	Weld County, Greeley, 1929	18,287.37	Litigation.
3c.	Water Commissioners, Denver,		
	1929	3,1318	In hands of Attorney General.
3c	Water Commissioners, Denver,		
	1928	1,026.09	In hands of Aftorney General.
3e	Woods Lumber & Supply Co	247.41	Process of settlement.
	ALLEN AND AND AND AND A		

Total Tax.....

\$62,703.70

#### SCHEDULE F

#### LEDGER STATEMENT—JUDGMENT ACCOUNT

Tax	Name	Tax	Remarks
2c	Brooks & Hartman\$	374.76	Last payment March 1, \$50.00.
1c	Northern Garage	6,306.87	Litigation.
2c	Shield Oil Co	1,018.46	Litigation.

\$ 7,700.09

#### SCHEDULE G-NO. 1

# EARNINGS STATEMENT-THREE-CENT TAX

#### January 1, 1929, to December 31, 1929 Taxes Assessed

Balance due State Nover	nber 30, 1928	••••••		\$ 186,565.09
December, 1928\$	Taxes Misco 308,360.58 \$	ellaneous .62 \$	Total 308,361.20	308,361.20
	CREDIT	S		\$ 494,926.29
December, 1928\$	Cash Misce 298,610.80 \$	ellaneous 5,533.74 \$	Total 304,144.54	\$ 304,144.54
Balance due State Dec. 3	1, 1928			\$ 190,781.75

Taxes Assessed

dentrate of	Taxes	Miscellaneous	Total	
January, 1929\$	265,105.97	\$ 10.00	\$ 265,115.97	
February, 1929	295,691.22		295,691.22	
March, 1929	255,046.98		255,046.98	
April, 1929 May, 1929	410,539.47	875.87	411,415.34	
June, 1929	466,102.18 1.585.89	.14	466,102.32	
July, 1929		9,310.33 13.84	10,896.22	
December, 1929		43.68	13.84	
			43.68	
Totals\$1	,694,071.71	\$ 10,253.86	\$1,704,325.57	\$1,704,325.57
	a la la companya de la	J and there	110 10 0 0 0 0 0 0	+1,101,020.01

#### \$1,895,107.32

#### CREDITS

	Cash	Mis	scellaneous		Total	
January, 1929	\$ 258,938.11	\$	5,515.36	\$	264,453,47	
February, 1929	283,078.07		5,031.83		288,109.90	
March, 1929	269,408.40		15,237.29		284,645.69	
April, 1929	415,327.90		64,016.80		479.344.70	
May, 1929	499,077.32		5.636.97		504,714.29	
June, 1929	12,114.57		306.47		12,421.04	
July, 1929	8,175.92		18.03		8,193.95	
August, 1929	2,250.00		6.00		2,256.00	
September, 1929	2,338.16				2,338.16	
October, 1929	1,125.00				1,125.00	
November, 1929	625.00				625.00	
December, 1929			3,000.00		3,000.00	
\$	1,752,458.45	\$	98,768.75	\$1	,851,227.20	\$1,851,227.20

Balance due State Dec. 31, 1929-3c Tax.....\$ 43,880.12

NOTE—The Miscellaneous column is explained as follows: \$2,314.35, City of Colorado Springs, Supreme Court decision regarding City and County of Denver: \$8,878.27 Texas Co., Supreme Court decision regarding 1% evaporation; \$61,073.26, 1% evaporation allowed on Supreme Court decision, credited to gasoline dealers; \$26,502.87 consists of Refunds, R. R. Purposes, U. S. Government Sales and transfers. Full details of same will be found by referring to the index, under heading of Miscellaneous Credits. See Index for "Three-Cent Tax Ledger Statement."

#### SCHEDULE G-NO. 2

#### LEDGER STATEMENT-THREE-CENT TAX

Name		Tax
Albin and Lindsey	\$	1,451.08
Buchanan, C. S		783.50
Clark and Co., Boulder		1,210.20
Cohan, Jacob		2,905.74
Denver Union Oil Co		68.83
Lincoln County		632.47
Mellett Oil Co		481.26
Mitchell Service Station		.08
Navy Gas & Supply Co., Der	nver	507.54
Nisbet Oil Co		3,871.64
Rio Oil Co		1,103.28
Robo Oil Co		4,285.22
Weld County		22,174.50
Water Commissioners, Denv	er	4,157.37
Woods Lumber & Supply C		247.41
Balance due State Dec. 31,	1929—3c Tax	

\$43,880.12

#### SCHEDULE H-NO. 1

Refund of Inspection Fees (See Cash Book P. 294 As Per Act of Legislature, H. B. 516.

#### RECEIPTS

ie.	1929	State	Warrant	1	 ,000.00
		State	Warrant	2	 6,000.00
		State	Warrant	3	 6,000.00
		State	Warrant	4	 5,000.00
		State	Warrant	5	 6,000.00
		State	Warrant	6	 4,328.44

Balance on hand Denver National Bank June 7, 1929.....

\$29,328.44

#### DISBURSEMENTS

Names	Check No.	Amount
Adams Motor Co	1	\$ 24.16
Alamo Hotel and Garage	2	24.65
Aldons, L. V	3	10.07
Alexander Industries, Inc	4	8.09
Arapahoe County Oil Co	5	112.60
Cancelled	6 See Check 209	
Arkansas Valley Auto Co	7	88.51
Automatic Oil & Gas Serv. C	0 8	61.67
Cancelled		
Babb, I. C	10	56.95
Bagby Oil Co		325.97
Baird, E. O		75.00

Jun

# SCHEDULE H-NO. 1-(Continued)

Names	Check	No. A	mount
Barnett Gas & Oil Co			\$ 24.17
Beard, Wm			
Bellrose Service Station			48.01
Birdsall-Stockdale Motor Co			75.74 48.14
Blake, Bardwell			48.14
Boggs Auto Co			72.76
Boyd Grain Co			22.08
Bradford Auto Co			15.40
Bridges-McMichael Oil Co			2.03
Bright's Service Station			10.14
Broadmoor Hotel Co			162.84
Bromell Garage	. 24		13.06
Buchanan, C. S. State Treas.	. 25)	C. B. P. 98 ) 1c Tax Acct	.475.00
Buchanan, C. S. (State Treas.) .	. 26	Credit (3c Tax Acct.	3.41
Burlington Oil Co	. 27	,	356.34
Calhan Motor Co			61.18
Carroll, Burton			104.00
Carver, Ed. R			149.98
Castle Coal & Supply Co			86.81
Castle Rock Oil Co			145.23
Central Gas & Oil Co			388.83 34.27
Champlin Refining Co			9.99
Chew-Agri Motor Co			18.89
C. B. & Q. Ry. Co			119.72
Christensen, A. N			119.96
Cities Service Oil Co			338.51
City Oil & Fuel Co			218.53
Cline, W. L	. 41		24.50
Colo. Fuel & Iron Co		See #103 for A42	20.76
Colo. Petroleum Products Co	. 43		16.06
Colo. Springs Inter. Ry. Co	. 44		8.17
Combine Oil Co	. 45		70.80
Consumers Gas Co., Boulder.	46	C. B. P. 98 Cr. 3c Tax	35.60
(State Treasurer)			
Consumers Oil Co., Colo. Spgs			278.52
Consumers Oil Co., Ft. Collins			31.86
Consumers Oil Co., Greeley			441.54
Co-operative Oil Co			140.18
Corner Service Station			72.44
Cossell, Olen			16.24
Costanzo, Frank			12.98
Craddock & Moore (P. O. Serv.		(She also (theals 145)	71.00
Sta.) Cree & Son (State Treas.)		(See also Check 145) C. B. P. 98 Cr. 3c Tax	71.92
Cripple Creek Auto Co		C. D. F. 30 Cl. 30 Tax	186.09 29.84
Crowley County Petrol. Co			32.54
Crown Service Co			206.58
Crystal Coal Co			32.27
Cuney & Smith			64.32
Daum, F. P			153.80
Davis, D. E			259.13
Davis, T. T			128.94
Denver Ice & Cold Sto. Co			72.36
D. & R. G. W. Ry. Co			138.43
DeWitt Motor Co			50.94
Diodosio, Mike	67		211.42

# SCHEDULE H-NO. 1-(Continued)

Names Chec	1- NT-
C. C. C.	ek No. Amount
Eckles, J. R 68	1
Egnew, R. C 65	
Elbert Gas & Oil Co 70	
Elder, J. T 71	
Everly Oil Co 72	
Everybody's Service Sta 73	8.78
Farmers Elevator Co 74	15.05
Fidler Oil Co	10.01
	5 72.12
Fleming S. Sta. (Citz. Lbr. & S. Co.)	
Ford Motor Co	
Fowler Motor Co 78	3 250.06
Galeton Motor Co 79	96.13
Genoa Oil Co 80	
Giddings & Thayer (Giddings	and the second se
Oil Co.) 81	38.93
Gill Gas Co 82	
Golden Ash Fuel Co 83	
Golden Rod Filling Sta. (W.	
Jones) 84	292.00
Golden Rule Oil Co 85	
Golden Rule Ref. Co 86	
Goracke, F. M 87	
Gordon, E. D 88	
Griffin & Son 89	
Hallenbeck, Chas. V 90	
Harris Independent Oil Co 91	24.32
Hart Bros 92	0100
Hicks & Remington 93	
Highland Oil & Gas Co	307.24
Holyoke Farmers Co-op. Elev.	010 70
Co	
Home Oil & Supply Co., Lamar. 97	
Hopkins, Earl	220.93
Horton's Automatic (I. D.	220.00
Horton) 99	89.12
Hudnall Oil Co100	190.00
Hartman, H. A. (Cowdrey)101	5.55
Hudson Oil Co., Sim, 102	364.47
Huerfano Trading Co103	(Payment Stopped,
	issued A 42) 12.89
Hughes Bros104	95.91
Hunker Oil Co105	8.13
Independent Oil Co106	8.11
Jeremiassen, Ross107	40.01
Jones, L. E. (Pierce)	.89
Kaufman, Jacob	3.18
Keeling Oil Co110 Kent Oil Co111	183.15
	11.10
Kentz, Fred	120.76
Kiser-Roberts Oil Co114	115.63 247.95
K-T Oil Corporation115	352.54
	002.04

#### SCHEDULE H-NO. 1-(Continued)

Names Check	No.	Amount	
Lenzini Motor Co116		\$104.07	1
Lohmann Motor Co117		95.69	
Loser, Oliver (State Treas.)118	C. B. P. 98, Cr. 1c Tax	555.80	
Manter Oil Co. (State Treas.)119	C. B. P. 98, Cr. 3c Tax	65.72	
Marland Refining Co120	~ ~ ~ ~ ~ ~ ~ ~	2,341.91	
Mesa Gar. Battery & Tire Shop121	C. B. P. 98, Cr. 3c Tax	221.07	
Metzger Motor Co		128.74	
Morgan Petrol. Prod. Co123 McCune-Scott Oil Co124	C. B. P. 98, Cr. 3c Tax	17.37	
McGrew Oil Co., O. H		76.23 260.59	
McGrew-DeLong Oil Co126		797.20	
McGrew Bros. Serv. Sta		172.86	
McPeak Oil Co		46.98	
MCI Cur OII. CO		10.00	5
National Ref. Co. (K. C. Mo.)129		83.36	
Navy Gas & Supply Co., Denver.130		16.07	
Nelson Service Station131		41.85	
Oasis Service Station		208.82	
Otero Petrol. Sales Co		166.62	
		100.02	
P. & M. Oil Co134		349.48	
Peetz Oil & Supply Co. (R. E.			
Hunker)		287.24	
Penfold Oil Co., Jay		152.38	
Penfold Service Station137 Peoples Oil Co., Loveland138		34.66	
Peterson's Filling Sta		$209.79 \\ 84.39$	
Pinks S. Sta. (W. A. Pinkerton).140		104.90	
Platner, Cyrus141		24.29	
Platte-Cascade Fill. Sta. (A. A.			
Vickers)142		280.60	
Porter Oil Co143		23.69	
Post Exchange (Fitzsimons			
General Hospital)144	TEL OFF.	161.66	
Craddock & Moore145	See also Check <b>#54</b>	8.04	
Post Office Service Station146 Potato Growers Co-op. Co147		$154.10 \\ 239.27$	
Poudre Canon Fill. Sta147		239.27 373.63	
Powerine Company149		64.51	
Pueblo Gas & Service Co150		125.92	
Putnam Filling Station151		234.77	
Quality Oil Co152		230.57	
R. W. T. Motor Service, Inc153		48.43	
Raven Oil & Refining Co154		7.31	
Red Cap Service Station155		153.27	
Reed Gas & Oil Co		31.54	
Reimer-Smith Grain Co157		223.34	
Rendle-Dow Stores Co158		64.97	
Riverside Ice & Storage Co159		8.10	
Roberts, Ray A160		110.63	
Rocky Mtn. Coal & Iron Co161		32.05	
Rogers Oil Co		16.08	
Romeo Garage163		13.26	
Roselawn Serv. Sta. (J. H. Allen)164			
Rutherford's Service Sta165		95.55 145.89	
interest berrice Bla105		140.00	

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# SCHEDULE H-NO. 1-(Continued)

Names Check	No.	Amount
Sayler Oil Co166		\$ 33.22
Seals Service Station167		48.35
Sears & Sears		185.10
Sentry Oil Co		490.55
Shane Oil Co		242.62
Shepherd, W		16.05
Sherman Auto Co		131.51
Sipple Oil Co		611.71
Smith Oil Co., Thos. W174		283.56
Standard Oil Co., Nebr		23.83
Star Oil Co		66.01
Stedwell & Son		230.66
Steele, Leslie R		15.34
		64.18
Sugar City Auto Co		16.02
		129.10
Superior Refining Co		396.64
Swinehart, W. H183		24.24
Taylor Grain Co., I. J		193.42
Telinde Gas & Oil Co		233.01
Throckmorton & Briggs		169.69
Trinidad Oil Co		299.12
Cancelled	(See #211 Paid State	
	Treasurer)	
Turner Bros	1100001001	101.34
U. P. Ry. Co		188.55
U. S. Oil Works		33.96
TTL		
Vicks Service Station192		22.42
Victory Motor Co		228.34
Victory Oil Corp. (Cr. O'Dell)194	C. B. P. 98, Cr. 3c Tax	164.28
Warren Lumber Co195	•	79.44
Wasatch Stores Co		25.51
Washington Park Serv. Sta197		136.75
Watkins & Son, J. T		38.22
Weld County Filling Sta199		284.54
West Central Oil Co	(See #210 Paid Cities	201.01
west central on community	Oil Co.)	
Western Nebraska Oil Co201	011 00.)	6.45
White, C. I		23.00
Windsor Oil Co		347.70
Windbor On Commission		
Zang, Ph. Co204		145.67
Colo. & So. Ry. Co		29.28
Jones, R. M		161.02
Wasatch Stores Co	Error in Penalty	101.02
Wasaten Stores Co	Charge	194.04
State Treasurer	Charge	242.80
State Treasurer	See Check #6	23.03
Cities Oil Co	See Check #200	120.71
State Treasurer	See Check #188	137.95
State Heasurer	Dee Check #100	101.00
Total		\$29
10tal		

.\$29,328.44

#### SCHEDULE H-NO. 2

#### Refund of Inspection Fees Paid Under Protest See Cash Book Page 298

#### RECEIPTS

Balance on Hand Denver National Bank, March 30, 1929.

\$20,004.98

#### DISBURSEMENTS

Names	Check No.	Amount
Alamo Hotel and Garage		\$ 32.44
Barnett Gas & Oil Co		¢ 32.44 114.36
Bellrose Service Station		8.03
Chew-Agri Motor Co		61.23
Christensen, A. N.		46.57
Cline, W. L		7.98
Colorado Fuel & Iron Co		155.73
Colorado Supply Co		273.72
Consumers Oil Co., Fort Collins		16.08
Consumers Oil Co., Greeley		522.20
Craddock & Moore Filling Station		55.96
Davis, D. E		32.07
Eckles, J. R.		15.91
Elder, J. T		96.71
Flagler Filling Station		185.58
Ft. Lupton Service Station		
Harris Independent Oil Co		$32.13 \\ 72.38$
Hussie, Maurice		
Jeremiassen, Ross		40.61
Lohmann Motor Co		14.63
M & K Oil Co		$22.55 \\ 135.30$
McCune-Scott Oil Co		
McGrew Oil Co., O. H.		7.98
National Refining Co		38.69
Penfold Service Station		7.95
Post Office Service Station		213.38
Roberts Oil Co		124.14
Rocky Mountain Coal & Iron Co		212.68
Rogers Oil Co		53.28
Rutherford's Service Station		8.08
Sayler Oil Co		165.29
Seals Service Station		276.44
		56.48
Skinner Oil Co		260.18
Skoglund Oil Co Trinidad Oil Co		80.33
		754.53
Vicks Service Station		8.04
State Treasurer		43.68
		15,719.34
Boggs Auto Supply Co		24.30
Kentz Filling Station	. 40	8.02
Total		\$:

\$20,004.98

#### SCHEDULE H-NO. 3

#### EARNINGS STATEMENT—INSPECTION FEES

#### January 1, 1929, to December 31, 1929.

Balance Due State November 30, 1928 By Cash December, 1928		. 767.65
Balance Due State December 31, 1928		
FEES CHARGED-TRANSFERS		
March, 1929	767.65 16.43 8.11	
and a state of the second s	R. 10 ( 17 2	\$ 792.19
CREDITS-MISCELLANEOUS		\$ 2,100.64
the state of the second s	Tank Inc."	Colorgido
April, 1929\$ July, 1929		
	S March	\$ 918.32
Balance Due State December 31, 1929		\$ 1,182.32

#### SCHEDULE H—NO. 4

#### LEDGER STATEMENT—INSPECTION FEES

Account			
Judgment Account-	Fée		
Brooks & Hartman\$	65.53	0.75	
Northern Garage	835.75		
Shield Oil Co	8.09		
Jack III I I I I I I I I I I I I I I I I I		s	909.37
Suspense Account-			100 M
Forsythe Bros., Boulder\$	24.43		
Great Western Oil Co	49.10		
Mitchell Service Station	13.75		
Water Commissioners, Denver	185.67		
The second se		\$	272.95
Balance Due State December 31, 1929		\$ 1	,182.32

#### SCHEDULE I-NO. 1

# EARNINGS STATEMENT—FOUR-CENT TAX January 1, 1929, to December 31, 1929.

#### TAXES ASSESSED

	Taxes	Miscellaneous		Total	
June, 1929\$	464,764.42	\$ 31.91	\$	464,796.33	
July, 1929	521,560.04	90.87		521,650.91	
August, 1929	634,012.52	510.71		634,523.23	
September, 1929	724,214.84	387.19		724,602.03	
October, 1929	568,736.94	88.20		568,825.14	
November, 1929	564,250.38	93.95		564,344.33	e de foort glinets
December, 1929	426,135.48	3,103.49		429,238.97	
Totals\$	3,903,674.62	\$ 4,306.32	\$:	3,907,980.94	\$3,907,980.94

#### CREDITS

	Cash	Miscellaneous	Total	
May, 1929\$	2,650.65	\$ 114.36 \$	2,765.01	
June, 1929	428,345.90	18,114.00	446,459.90	
July, 1929	518,743.08	7,219.35	525,962.43	
August, 1929	617,114.15	9,209.94	626,324.09	
September, 1929	707,760.06	10,183.20	717,943.26	
October, 1929	563,119.01	8,818.35	571,937.36	
November, 1929	548,378.52	9,670.92	558,049.44	
December, 1929	415,875.13	7,838.93	423,714.06	
Totals\$	3,801,986.50	\$71,169.05 \$	3,873,155.55	\$3,873,155.55

Balance Due the State December 31, 1929, on 4c Tax..... \$ 34,825.39

Note—The Miscellaneous column consists of the following: \$8,968.87 transfer of 3c Tax to 4c Tax to simplify collections June, 1929. \$62,200.18 consists of Refunds, Sales to U. S. Government and Railroads, Exports, etc. Full details of same will be found by referring to the index under heading of Miscellaneous Credits. See index for "Four-Cent Tax Ledger Statement."

#### SCHEDULE I-NO. 2

#### LEDGER STATEMENT-FOUR-CENT TAX

#### CURRENT ACCOUNTS (Credits are denoted by \*)

Name	Tax	Remarks
Bagby Oil Co\$	6.05*	Wrote Dec. 9th.
Beard, Wm	.11	Wrote Oct. 12th.
Bieser, J. H. (Sugar City)	6.48*	Wrote.
Bromell, M. W	.04*	Wrote.
Carroll, Burton, Colorado Springs.	43.12*	Notified in person.
Castle Coal & Supply Co	320.52	Paid Jan. 2, 1930.
Castle Rock Oil Co	323.16*	On Dec. account.
Cities Oil Co	648.32*	On Dec. account.
City and County of Denver	14,648.08	Litigation.
Clarke Petroleum Co	4,665.24	Process of settlement.
Continental Oil Co	3.24*	Wrote account error.
Cossell, Olen	316.92*	On Dec. account.
Costanzo, Frank	.59*	Wrote.
Costello, Louis	642.32*	On Dec. account.
Crowley County Petroleum Co	.03	Wrote.
Eberharter, L	.01*	Wrote.
Fidler Oil Co	2.04*	Wrote.
Forsythe Oil Co	.36*	Express not charged.
Ft. Collins Petroleum Co	.80	Paid Jan., 1930.
Goracke, F. M	.10	Statement sent.
Hallenbeck, Chas. V	318.76	Paid Jan. 2, 1930.
Holyoke Farmers Co-op. Elev. Co	323.64*	On Dec. account.
Home Oil Co., Grand Junction	8.68	Wrote.
Johnson Oil Co	2.52	Wrote.
Kamm, J. F	256.80	Paid Jan., 1930.
Kayser, Allen J	5.20*	Wrote.
Keeling Oil Co., Fowler	321.84*	Dec. account.
K-T Oil Corporation	.88	Wrote.
Larimer County	632.08	
M & K Oil Co	4.10*	
Midwest Refining Co	39.12*	See Dec. account.
McGrew Oil Co	.01*	Wrote.
McGrew-DeLong Oil Co	.80	Wrote.
Peoples Oil Co., Loveland	25.88*	Wrote.
Post Exchange, Fitzsimons	49.44	Paid Jan., 1930.
Pulley Service, Inc	636.36	Paid Jan., 1930.
R. W. T. Motor Service, Inc	319.72*	Dec. account.
Radio Oil & Gas Co	4.80	Paid Jan., 1930.

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# SCHEDULE I—NO. 2—(Continued)

Name	Tax	Remarks
Raven Oil & Refining Co	1.00	Wrote Nov. 27, 1929.
Red Rose Service Station (Egnew)	326.00*	Dec. account.
Schreivogel & Sons	320.84	Paid Jan., 1930.
Stedwell & Son	924.4+*	Dec. account.
Stotts & Maley Oil Co	297.00	Paid Jan., 1930.
Sundays Garage	320.52*	Dec. account.
San Juan Oil & Supply Co	269.64*	Dec. account.
Triple X Oil Co	281.79	Paid \$123.23 on acct., Jan., 1930.
Vincent Auto Co	4.36*	Wrote.
Water Commissioners, Denver	1,577.56	Litigation.
Weld County	11,441.72	Litigation.
Western Stores Co	.01*	Wrote.
Zang, Ph	.01	Wrote.
Total		

\$30,588.79

#### SUSPENSE ACCOUNT

Cohan, Jacob	\$ 4,236.60	\$ 4,236.60
	a final and a second	

Balance Due the State December 31, 1929, on 4c Tax..... \$34,825.39

#### SCHEDULE I-NO. 3

# DELINQUENT TAXPAYERS SUBMITTED TO THE ATTORNEY GENERAL FOR COLLECTION

December 31, 1929

	Ledger		
Name	Account	Amount	Remarks Tax
Albin & Lindsey         Beard, Wm.         Brooks & Hartman         Buchanan, C. S         Castle Coal & S. Co	Current	1,451.08 .11 374.76 783.50 320.52	Litigation         3c           Wrote 10-12         4c           Last payment March 1, \$50.00.         2c           Process of settlement
City and County of Denver City and County of Denver Water Commissioners City and County of Denver Water Commissioners Clark & Co., Boulder Clarke Petrol. Co	Suspense Current Suspense Current	14,648.08 4,157.37 1,577.56 1,210.20 4,665.24	Litigation4cProcess of settlement3cLitigation4cLitigation3cProcess of settlement4c
Cohan, Jacob Cohan, Jacob Crowley Co. Petrol. Co Denver Union Oil Co Denver Union Oil Co	Suspense Current Suspense Suspense	$2,905.74 \\ 4,236.60 \\ / .03 \\ 835.06 \\ 68.83$	Litigation3cLitigation4cWrote4cLast payment Sept. 3, \$150.00. 1cDemand payment Sept. & Dec 3c
Ft. Collins Petrol. Co         Forsythe Bros., Boulder         Forsythe Oil Co., Boulder         Forsythe Oil Co., Denver	Suspense Suspense Suspense Current	.80 699.02 87.46 5,651.39 .10	Paid Jan., 1930
Great Western Oil Co. Hallenbeck, C. V. Home Oil Co., Grand Junction. Johnson Oil Co. Kamm, J. F. K-T Oil Corporation Larimer County Lincoln County Loser, Oliver	Current Current Current Current Current Suspense Suspense	4,451.86 318.76 8.68 2.52 256.80 .88 632.08 632.47 1,057.49	Atty. Gen. Corresponding       1c         Paid Jan. 2, 1930
Loveland Filling Station	Suspense	208.69	Litigation 1c

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DEPARTMENT REPORT

#### SCHEDULE I-NO. 3-(Continued)

Ledger Remarks Tax Account Amount Name Litigation ..... 3c Mellett Oil Co.....Suspense 481.26 1,308.92 Atty. Genl. for Collection ..... 2c Mitchell Service Station......Suspense Atty. Genl. for Collection ..... 3c Mitchell Service Station......Suspense ..... .08 Navy Gas & Supply Co., Denver.......Suspense 507.54 Paid Jan. 11, 1930..... 3c Nisbet Oil Co......Suspense 3,871.64 Litigation ..... 3c Litigation ..... 1c Northern Garage .....Judgment ..... 6.306.87 Wrote ..... 4c McGrew-DeLong .....Current ..... .80 Last payment 6-25-29 \$31.91... 1c Out West Oil Co.....Suspense 100.00 Paid Jan., 1930..... 4c Post Exchange, Fitzsimons Hospital......Current 49.44 Pulley Service, Inc.....Current ..... Paid Jan., 1930..... 4c 636.36 Radio Oil & Gas Co.....Current Paid Jan., 1930..... 4c 4.80 Wrote 11-27-29..... 4c Raven Oil & Refining Co. .....Current ..... 1.00 Litigation ..... 3c Rio Oil Co.....Suspense 1.103.28 Litigation ..... 3c Robo Oil Co.....Suspense ..... 4.285.22 Paid Jan., 1930..... 4c Schreivogel & Sons.....Current 320.84 Litigation ..... 2c Shield Oil Co.....Judgment 1.018.46 Stotts & Maley Oil Co.....Current 297.00 Paid Jan., 1930..... 4c Pays \$25.00 each month..... 1c Toliver & Kinney......Suspense 187.09 Paid \$123.23 Jan., 1930..... 4c Triple X Oil Co.....Current ..... 281.79 Weld County ......Suspense ..... Litigation ..... 3c 22,174.50 Litigation ..... 4c Corresponding ..... 3c Woods Lumber & Supply Co......Suspense ..... 247.41 Wrote ..... 4c Zang, P. H.....Current .01 

#### RECAPITULATION

Sched. A	Total 1c Tax due State December 31, 1929\$	19,497.47	
Sched, C	Total 2c Tax due State December 31, 1929	2,789.60	
Sched G-1	Total 3c Tax due State December 31, 1929	43,880.12	Children and
Sched. I-2	Total 4c Tax due State December 31, 1929	39,702.52	\$105,869.71
	State December 31, 1929		
Less Credi	ts, See Schedule I-2	4,877.13	
	e Ledger Statement, Schedule I-2, 4c Tax\$		

# STATE INSPECTOR OF OILS

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#### SCHEDULE J

#### RECAPITULATION

# Total Taxes Due State December 31, 1929

Schedule BOne-Cent Tax	\$ 19,497.47	
Schedule D —Two-Cent Tax	2,789.60	
Schedule G-2-Three-Cent Tax	43,880.12	
Schedule I-2-Four-Cent Tax	34,825.39	
		\$100,992.58

Schedule H-4-Inspection	Fees	1,182.32	
Total Amount Due St.	ate December 31, 1929		\$102,174.90

#### SCHEDULE K

	Recapitulation of Ledger Statements—Inspection Fees		
Schedule H-4-Judgment	Account \$	909.37	
Schedule H-4-Suspense	Account	272.95	
Total			\$ 1,182.32

#### SCHEDULE L

# OPERATING STATEMENT

# Office of State Inspector of Oils, January 1, 1929, to December 31, 1929

Salaries	Expense	Remarks
James Duce, State Inspector of Oils\$	3,000.00	
William Koch, Deputy Inspector	2,400.00	
W. M. Cafky, Deputy Inspector	1,800.00	
Wm. Roy MacGinnis, Assistant Inspector	1,800.00	
N. N. McLean, Asst. Inspector of Oil Pumps	1,800.00	
Chas. B. Prior, Bookkeeper and Statistician	2,400.00	
L. F. Hoover, Asst. Inspector and Traveling Auditor	2,150.00	\$50.00 extra work
M. W. Maroney, Collector and Refund Adjuster	2,100.00	The solution of the second state of the second s
L. A. Blumenthal, Assistant Refund Clerk	1,700.00	4 months at \$125.00 per month
R. S. Briggs, Emergency Asst. Bookkeeper	450.00	Extra help
Helen McHugh, Stenographer	1,500.00	
Dorothy Lowell, Stenographer	1,450.00	Two months at \$100.00 per month
Gladys Dingle, Typist	1,500.00	
Bertha Officer, Clerk	1,620.00	
Katherine G. Beall, Clerk-Typist	1,500.00	
Ada Airheart, Clerk-Typist	551.60	From July 17, 1929
Eileen Spurgeon, Clerk-Typist	145.15	Extra help
Doris Wheeler, Clerk-Typist	373.48	Extra help
Elizabeth Wilson, Clerk-Typist	156.83	Extra help
Total Salaries for Office	\$ 28,397.06	

Minister 1- Photomes

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# SCHEDULE L-(Continued)

Brought forward \$ 28,397.	Brought	\$ 28	3,397.06	
----------------------------	---------	-------	----------	--

Expense	Travial	Included in Office Expense	cipal sets		
William Koch . W. W. Cafky . N. N. McLean . James Duce . W. Roy MacGinnis . Gasoline, Repairs, etc Railroad Scrip-books .	Travel \$ 1,655.33 607.44 1,508.95 229.24 1,445.70 1,187.29 210.00	Miscellaneous \$ 1.40 327.12 11.22 55.00 3.56 	Total \$ 1,656.73 934.56 1,520.17 284.24 1,449.26 1,187.29 210.00	2" 1336 4. 1745 (m. 1	
Totals	\$ 6,843.95	\$ 398.30	\$ 7,242.25	\$ 6,843.95	
Postage Express Stationery, etc Telegrams and Telephone Miscellaneous Equipment Legal			\$ 1,400.98 19.45 3,051.58 164.41 492.68 1,033.78 2,555.45	ANTS	
Total Office Expense Total Administration Expense				\$ 8,718.33	\$ 43.959.34
LABORATORY Salary of Deputy Oil Inspector Expense and Supplies Equipment			\$ 1,800.00 421.00	nigi B	
Total Laboratory Expense	•••••				2,221.00
Total Expenses from January 1, 1929, to December 31, 1929					\$ 46,180.34

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#### SCHEDULE L—(Continued)

Laboratory Expense, no record of which is kept in the office of the State Inspector of Oils, but kept in State Auditor's Office.

Name	Date Paid	Voucher No.	Amount	Month
Salaries Wm. S. Mitchell Wm. S. Mitchell Wm. S. Mitchell Wm. S. Mitchell Wm. S. Mitchell	Sept. 6 Sept. 6 Oct. 25 Nov. 9 Nov. 23 Dec. 19	A 18639 A 18644 A 23090 A 24058 A 25505 A 28074	$ \begin{array}{c} 126.00\\ 150.00\\ 150.00\\ 150.00\\ 150.00\\ 150.00\\ 150.00 \end{array} $	Part of JulyShale Laboratory AugustShale Laboratory SeptemberShale Laboratory OctoberShale Laboratory NovemberShale Laboratory DecemberShale Laboratory
J. W. Horne J. W. Horne J. W. Horne J. W. Horne J. W. Horne J. W. Horne	Sept. 6 Sept. 21 Sept. 25 Nov. 23	A 18640 A 18643 A 22543 A 23089 A 25504 A 28073	$137.50 \\ 275.00 \\ 2$	Last half JulyService Associate Chemist AugustService Associate Chemist SeptemberService Associate Chemist OctoberService Associate Chemist NovemberService Associate Chemist DecemberService Associate Chemist
Viola Hutchinson Viola Hutchinson Viola Hutchinson Viola Hutchinson Viola Hutchinson Viola Hutchinson Ruth Thorne		A 18641 A 18642 A 23091 A 24059 A 25506 A 28075 A 23092	62.50 125.00 125.00 125.00 125.00 125.00 125.00 17.85	Last half JulyClerk and Stenographer AugustClerk and Stenographer SeptemberClerk and Stenographer OctoberClerk and Stenographer NovemberClerk and Stenographer DecemberClerk and Stenographer OctoberClerk and Stenographer
Total not in Office Record Total in Office Records Total Laboratory Exp Total Administration E	ense and Salaries.	·····	2,221.00	\$ 5,314.85 43,959.34

Total paid from 4c Road Tax for Expenses Jan. 1, 1929, to Dec. 31, 1929 .....

\$ 49,274.19

# SCHEDULE L—(Continued)

# STATE AUDITOR'S ACCOUNT

Warrants issued Jan. 1, 1929, to Dec. 31, 1929			\$ 49,274.19
Outstanding Warrants, Dec. 31, 1928			838.84
A REAL PROPERTY AND A REAL PROPERTY A REAL PRO			\$ 50,113.03
Less Outstanding Warrants Dec. 31, 1929	A 29096	\$ 4.09	\$ 50,115.05
	A 29097	.60	
	A 29095	60.00	
	A 29094	99.10	
where a summary is a summary and the set of standard and set of	A 30313	60.00	223.79
Warrants Issued for Expenses			\$ 49,889.24

1

1 7 3

#### SCHEDULE M

#### GASOLINE TAX FUND

# State Auditor's Account, January 1, 1929, to December 31, 1929

Cash Balance in Fund January 1, 1929......\$ 313,664.34 Received from Oil Inspector (see General Cash Statement).......5,560,348.03

#### \$5,874,012.37

#### DISBURSEMENTS

Transfer Highway Department\$3	.719.622.56	
Thomas Trichana Charts	103,969,35	
Warrants, Administrative Expense\$49,889.59	200,000.00	
Warrants, Less Error (see Schedule L)35		

Warrants, Refunds (see Schedule O)	49,889.24 428,376.26	
Warrants, Counties (see Schedule N)	1.455.430.41	
Balance in Road Fund Due Counties Dec. 31, 1929	116,724.20	

Plus error as above.....

#### \$5,874,012.02

10 000 04

#### .35

\$5,874,012.37

#### SCHEDULE N

# DISTRIBUTION OF GASOLINE TAX TO COUNTIES From January 1, 1929, to December 31, 1929

	Protested	Total	Grand		Per
Counties	Tax	Tax	Total	Miles	Cent
Adams		\$ 14,853.96	\$ 15,497,42	97.1	1.0648
Alamosa	. 689.15	15,908.57	16.597.72	104.0	1.1404
Arapahoe	. 683.16	15,770.47	16,453.63	103.1	1.1305
Archuleta	. 684.50	15,801.17	16,485.67	103.3	1.1327
Baca	1,572.40	36,297.90	37,870.30	237.3	2.6020
Bent		11,213.01	11,698.75	73.3	.8038
Boulder		18,065.25	18,847.82	118.1	1.2950
Chaffee	. 620.25	14,318.29	14,938.54	93.6	1.0264
Cheyenne		19,488.15	20,332.36	127.4	1.3970
Clear Creek	- 719.00	16,597.71	17,316.71	108.5	1.1898
Conejos	796.47	18,386.10	19,182.57	120.2	1.3180
Costilla		19,931.76	20,795.19	130.3	1.4288
Crowley		9,759.41	10,182.18	63.8	.6996
Custer		14,608.44	15,241.27	95.5	1.0472
Delta	783.24	18,080.59	18,863.83	118.2	1.2961
Dolores		10,936.80	11,410.57	71.5	.7840
Douglas		24,963.49	26,044.89	163.2	1.7895
Eagle		19,672.29	20,524.48	128.6	1.4102
Elbert		19,411.42	20,252.31	126.9	1.3915
El Paso	1,640.02	37,858.90	39,498.92	247.5	2.7139
Fremont	-,	26,799.34	27,960.27	175.2	1.9211
Garfield	1,034.38	23,878.22	24,912.60	156.1	1.7117
Gilpin	239.30	5,524.31	5,763.61	36.1	.3960
Grand	1,281.55	29,583.77	30,865.32	193.4	2.1207
Gunnison	1,532.03	35,366.04	36,898.07	231.2	2.5352

#### SCHEDULE N-(Continued)

# DISTRIBUTION OF GASOLINE TAX TO COUNTIES

From January 1, 1929, to December 31, 1929

11.118 212 2	Protested	Total	Grand		Per
Counties	Tax	Tax	Total	Miles	Cent
Hinsdale		\$ 7,435.38	\$ 7,757.48	48.6	.5330
Huerfano		21,552.75	22,486.40	140.9	1.5450
Jackson		20,818.98	21,720.84	136.1	1.4924
Jefferson		34,738.29	36,243.13	227.1	2.4902
Kiowa		22,347.90	23,316.00	146.1	1.6020
				Contraction of the	
Kit Carson	1,158.27	26,737.97	27,896.24	174.8	1.9167
Lake		11,427.84	11,922.89	74.7	.8192
La Plata		15,495.66	16,166.92	101.3	1.1108
Larimer		39,343.17	41,047.49	257.2	2.8203
Las Animas	1,795.08	41,438.46	43,233.54	270.9	2.9705
Lincoln	2,126.36	49,085.86	51,212.22	320.9	3.5187
Logan	1,128.48	26,050.22	27,178.70	170.3	1.8674
Mesa		32,673.67	34,089.07	213.6	2.3422
Mineral		10,264.42	10,709.07	67.1	.7358
Moffat	1,227.22	28,329.66	29,556.88	185.2	2.0308
and the second second			01 001 50	107.0	
Montezuma		21,078.46	21,991.56	137.8	1.5110
Montrose		36,084.46	37,647.67	235.9	2.5867
Morgan		17,867.16	18,641.15	116.8 94.1	1.2808 1.0319
Otero		14,395.01 7,573.50	15,018.59 7,901.58	49.5	.5429
Ouray	328.08	1,010.00	1,301.00	40.0	.0440
Park	1,425.97	32,917.81	34,343.78	215.2	2.3597
Phillips		16,000.65	16,693.79	104.6	1.1470
Pitkin		13,478.49	14,062.37	88.1	.9662
Prowers		29,568.40	30,849.28	193.3	2.1196
Pueblo	1,284.87	29,660.48	30,945.35	193.9	2.1262
Rio Blanco	1,367.00	31,556.28	32,923.28	206.3	2.2621
Rio Grande		13,185.54	13,756.73	86.2	.9452
Routt		. 25,912.12	27,034.61	169.4	1.8575
Saguache	,	26,065.57	27,194.71	170.4	1.8685
San Juan	294.30	6,793.67	7,087.97	44.6	.4870
Con Minuel	040.01	01 000 04	00 007 15	149.1	1 5001
San Miguel		21,888.94 10,080.26	22,837.15 10,516.93	$\begin{array}{r}143.1\\65.9\end{array}$	$1.5691 \\ .7226$
Sedgwick		14,164.84	14,778.45	92.7	1.0154
Teller		15,785.82	16,469.65	92.7 103.2	1.1316
Washington		40,259.70	42,003.72	263.2	2.8860
washington	1,144.02	10,200.10	12,000.12	200.2	2.0000
Weld	2,252.95	52,008.36	54,261.31	340.0	3.7282
Yuma		37,858.89	39,498.91	247.5	2.7139
			AT AFF 400 41		
	\$60,430,41	\$1.395.000.00	\$1.455.430.41		

\$60,430.41 \$1,395,000.00 \$1,455,430.41

#### SCHEDULE O

# GASOLINE TAX REFUND ACCOUNT Inspector's Revolving Fund

Number of Refund Claims filed from Jan. 1, 1929, to Dec. 31, 1929......29,820

#### RECEIPTS

Cash Balance in Fund Dec. 1, 1928\$ 47,564.90           Cash Refunds by Inspector		
Cash Balance in Fund Jan. 1, 1929	\$ 10,690.31	
Reimbursement by State Auditing Board		
and others as per Schedule P	459,927.71	

\$470,618.02

#### DISBURSEMENTS

Cash Refunds by Inspector (Schedule Q).	\$431,160.03
*Balance Chargeable Dec. 31, 1929	39,457.99

\$470,618.02

#### RECONCILIATION (As of December 31, 1929)

\*Balance in Bank as per Statement December 31, 1929..... \$ 39,457.99

SCHOOL OF CITIZENSHIP AND PUBLIC ADMINISTRATION

### SCHEDULE P-1

## REIMBURSEMENTS OF INSPECTOR'S REVOLVING FUND By State Auditing Board

			Voucher	Office		Totals
Date Paid	Month Paid F	for Tax	No.	No.	Amount	By Months
Jan. 2, 1929	Oct. 19	928 30	354709	592	\$31,434.24	
Jan. 31, 1929	Dec. 19	28 30	356720	628	16,938.12	
Jan. 31, 1929	Nov. 19	928 30	356721	627	15,886.17	
						\$ 64,258.53
Mar. 1, 1929	Jan. 19	29 30	A- 1526	664	\$ 8,288.67	
Mar. 30, 1929	Feb. 19	929 30	e A- 4541	714	7,010.84	
				int inte		\$ 15,299.51
May 1, 1929	March 19	929 3	e A- 6637	748	\$ 8,185.56	
				1 33.37		\$ 8,185.56
June 1, 1929	April 19	929 30		790	\$28,449.96	
June 29, 1929	May 19	929 4	e A-12111	822	53,562.32	
						\$ 82,012.28
Aug. 5, 1929		929 40		891	\$46,014.06	
Aug. 31, 1929	July 19	929 4	e A-16706	910	44,018.11	Second Street
						\$ 90,032.17
Sept. 30, 1929	Aug. 19	929 40	e A-18892	948	\$60,599.20	
			22-172-1K			\$ 60,599.20
Oct. 31, 1929	Sept. 19	929 4	e A-22305	1,008	\$57,448.25	
						\$ 57,448.25
Nov. 30, 1929	Oct. 19	929 4	e A-24445	1,040	\$50,331.48	
						\$ 50,331.48
Dec. 31, 1929	Nov. 19	929 4	c A-26490	1,072	\$31,643.52	
					12	\$ 31,643.52
Total Rein	nbursements b	y State	Auditing B	oard		\$459,810.50
Jan. 31, 1929	L. H. Thayer	nofun	aver-navm	ent	.\$ 17.86	
Mar. 30, 1929	A. P. Ardour	ol II	S Govt I	Dunlicat		
Payment	A. I. Aluoui	сі, О.	D. GOTL. 1	Jupileut	. 87.00	
	C			t		
Mar. 30, 1929	C. M. Placita					
Mar. 30, 1929	E. G. Hecken	dorf, re	efund over-p	ayment	. 7.50	

#### 117.21

\$

Total Reimbursements Calendar Year 1929 (See Schedule O)...\$459,927.71

### SCHEDULE P-2

## State Auditor's Report of Inspector's Revolving Fund

Total Warrants paid by State Auditor Jan. 1, 1929, to Dec. 31,	
1929\$428	,376.26
Total Warrants paid by State Auditor Dec. 1928 31	,434.24
Total\$455	,810.50

#### STATE INSPECTOR OF OILS

## SCHEDULE Q-1

## CASH REFUNDS OF TAXES BY OIL INSPECTOR

Number of Refund Claims filed from Jan. 1, 1929, to Dec. 31, 1929.....29,820

Date	No. of Checks From	No. of Checks To	Amount
January, 1929	A- 9718	A-12074	\$ 30,875.86
February, 1929	A-12075	A-15177	31,012.75
March, 1929	A-15178	A-16177	8,529.62
April, 1929		A-17605	12,621.40
May, 1929		A-18660	8,717.54
June, 1929	A-18661	A-21483	28,004.94
July, 1929	A-21484	A-26027	53,090.40
August, 1929	A-26028	B- 2025	48,007.44
September, 1929		B- 4947	41,034.85
October, 1929	B- 4948	B- 8425	61,840.23
November, 1929		B-11658	56,542.17
December, 1929		B-14892	50,882.83
See Schedule O			\$431,160.03

NOTE-Checks B-16994 to 17025 re-issue in December, 1929, for reissue of checks cancelled for 30-day limit.

### SCHEDULE Q-2

Comparative Statement of Applications for Gasoline Tax Refunds paid and filed in the office of the State Oil Inspector during the months of the following calendar years.

First refunds paid in 1919 and 1920, \$11,791.82; 1921 and 1922, \$25,601.01; 1923, \$14,114.10, by State Auditor.

CASH REFUNDS PAID

Date Sta	1924 by ate Auditor	1925 by Oil Inspector	1926	1927	1928	1929	
January\$	3,202.65	\$ 2,735.74	\$ 3,352.84	\$ 4,285,52	\$ 6,572.28	\$ 8,288.67	H
February	1,705.17	1,189.30	2,310.11	2,896.93	5,538.35	7,010.84	DEP.
March	3,147.04	2,966.23	2,778.46	4,036.83	9,849.08	8,185.56	AF
April	2,629.14	2,911.94	3,167.31	5,969,42	22,104.06	28,449.96	ARTMENT
May	2,906.76	2,779.71	5,400.41	9,294,92	29,541.87	53,562.32	AE
June	3,120.07	1,703.70	5,136.63	13,956,56	28,525.86	46,014.06	NT
July	2,906.48	2,746.14	4,675.38	13,811.95	24,779.21	44,018.11	R
August	2,530.24	1,518.33	8,015.20	16,167.34	37,099.72	60,599.20	REPORT
September	2,809.81	2,705.16	8,156.55	26,682.36	37,440.34	57,448.25	OR
October	2,703.48	3,430.74	7,953.95	19,278.87	31,434,24	50,331.48	F
November	2,937.42	3,047.30	6,831.64	16,241.37	15,886,17	31,643.52	
December	2,568.51	3,893.53	5,482.43	11,297.26	16,938.12	19,672.90	
Totals\$	33,166.77	\$ 31,627.82	\$ 63,260.91	\$143,919.33	\$265,709.30	\$415,224.87	

NOTE-Refunds paid from August, 1923, was when the 2c Tax went into effect.

Refunds paid from May, 1927, was when the 3c Tax went into effect.

Refunds paid from May, 1929, was when the 4c Tax went into effect.

The payments of refunds are always made within sixty days of filing, being impossible to audit and investigate them any faster, as they have to be passed upon by the State Auditing Board after the investigation by the State Inspector of Oils.

### STATE INSPECTOR OF OILS

## SCHEDULE Q-3

## RECAPITULATION OF TAX COLLECTIONS AND REFUNDS SHOWING NET TAX COLLECTED

Date 1928	See General Cash Statement Gross Collections	See Schedule P-1 Refunded	See Schedule L Expenses	Net Tax
December	\$ 298,635.80	\$ 37,440.34	\$ 3,380.40	\$ 257,815.06
1929 Janua	ary 1, 1929, to Dece	mber 31, 1929		
January	\$ 259,013.11	\$ 64,258.53	\$ 3,100.93	\$ 191,653.65
February	283,099.07		4,145.49	278,953.58
March	271,383.87	15,299.51	3,727.67	252,356.69
April	415,352.90		3,706.23	411,646.67
May	501,800.06	8,185.56	3,488.64	490,125.86
June	441,591.27	82,012.28	3,542.03	356,036.96
July	527,069.00		4,146.67	522,922.33
August	620,344.05	90,032.17	4,350.06	525,961.82
September	711,479.04	60,599.20	4,262.23	646,617.61
October	564,269.01	57,448.25	3,957.81	502,862.95
November	549,028.52	50,331.48	3,849.44	494,847.60
December	415,918.13	31,643.52	4,053.14	380,221.47
Totals	\$5,560,348.03	\$459,810.50	\$46,330.34	\$5,054,207.19
				** *** ***

Total Net Tax Collected Available for State Roads......\$5,054,207.19

### SCHEDULE R

# EARNINGS STATEMENT—GASOLINE LICENSE FUND January 1, 1929, to December 31, 1929

Date		License No.	Total
December,	1928	5734 to 5815	\$ 82.00

#### DISBURSEMENTS

Date 1928	Vouch No.		Che		xpenses	5	
Dec. 18	86		96	W. Roy MacGinnis\$	54.85		
Dec. 28	87		97		27.10		
						\$	81.95
Balan	ce in L	icens	e F	und December 31, 1928		\$	.05
Date		Lice	ense	No. To	tal		
January,	1929	5816	to	5949\$ 13	34.00		
February,	1929	5950	to	6096 14	7.00		
March,	1929	6097	to	6204 10	08.00		
April,	1929	6205	to	6400 19	6.00		
				In class Curstin and	- 4	\$	585.00
Total	Cash I	Receiv	ved.			8	585.05

#### DISBURSEMENTS

Dat	te	Voucher	Check
192	9	No.	No. Expenses
Feb.	15	88	98\$ 133.80
Mar.	4	89	100
Mar.	26	91	102 10.20
Mar.	14	90	101 58.70
Apr.	10	92	103
Apr.	22	93	104 100.62
May	10	94	105 71.50
June	14	95	106 23.43

Total See Schedule L.... \$ 585.05

NOTE-The Act creating the above fund was repealed by House Bill No. 529, which went into effect May 1, 1929, at 12:05 a. m.

#### STATE INSPECTOR OF OILS

### SCHEDULE S

## Statement of Assessment of Taxes and Collections, Monthly, from January 1, 1929, to December 31, 1929

## Assessment one month in advance of payment

Date	е	Assessment	Tax	Dat	e	Collections	Tax
Dec.,	1928	\$ 259,571.13	3c	Jan.,	1929\$	249,773.42	3c
Jan.,	1929	295,690.86	3c	Feb.,	1929	274,402.29	3c
Feb.,	1929	255,046.98	3c	Mar.,	1929	269,408.40	3c
Mar.,	1929	410,539.47	3c	Apr.,	1929	415,327.90	3c
Apr.,	1929	466,102.18	3c	May,	1929	499,077.32	3c
May,	1929	464,764.42	4c	June,	1929	430,996.55	4c
June,	1929	521,560.04	4c	July,	1929	518,743.08	4c
July,	1929	634,012.52	4c	Aug.,	1929	617,114.15	4c
Aug.,	1929	724,214.84	4c	Sept.,	1929	707,760.06	4c
Sept.,	1929	568,736.94	4c	Oct.,	1929	563,119.01	4c
Oct.,	1929	564,250.38	4c	Nov.,	1929	548,378.52	4c
Nov.,	1929	426,135.48	4c	Dec.,	1929	415,893.13	4c

Less Total Collect'ns 5,509,993.83

Total .....\$ 80,631.41

Less deductions for Railroads, U. S. Govt., Exports, etc., See Exhibit L	
Balance Uncollected\$	56,749.68
Per Cent Collected Per Cent Uncollected	

NOTE-Of the above uncollected balance

Denver Board of Water Commissioners is delinquent in 3c Tax\$ 4,15	7.37
Denver Board of Water Commissioners is delinquent in 4c Tax 1,57	7.56
City and County of Denver is delinquent in 4c Tax 14,64	
Weld County is delinquent in 4c Tax 11,44	1.72

#### \$27,824.73

... 98.5

1.5

is in litigation, the balance is in the hands of the Attorney General for collection.

### SCHEDULE T

# SPECIAL PROTEST GASOLINE TAX FUND December 1, 1928, to April 30, 1929

Balance in Special Protest Fund December 1, 1928......\$174,332.84

Date	Name Amount
Dec. 7, 1928	Home Oil Co\$1,180.47
Dec. 11, 1928	The Texas Co 826.21
Dec. 26, 1928	A. A. Vickers Petrol. Co 286.68
Dec. 26, 1928	Ross Jeremiassen 482.70
Dec. 26, 1928	McGrath's Service Station 1,335.87
Dec. 26, 1928	Forsythe Oil Co 4,672.74
Dec. 27, 1928	Starkey, Rose 476.71

\$9,261.38

Jan.	9,	1929	Home Oil Co\$1	,368.45	
Jan.	14,	1929	The Texas Co	624.11	
Jan.	25,	1929	Ross Jeremiassen	486.30	
Jan.	25,	1929	Paramount Oil Co	91.74	
Jan.	26,	1929	M. T. Forsythe	242.22	
Jan.	26,	1929	McGrath's Service Station 1	,469.55	
Jan.	28,	1929	Starkey, Rose	479.82	
Jan.	31,	1929	Forsythe Oil Co 4	,402.50	
			and the second of the second sec		

\$9,164.69

Feb.	13,	1929	The Texas Co\$ 742	.79
Feb.	25,	1929	Ross Jeremiassen 247	.74
Feb.	26,	1929	A. A. Vickers Petrol. Co 1,350	.87
Feb.	26,	1929	McGrath's Service Station 1,363	3,56
Feb.	28,	1929	Starkey, Rose 724	.62
Feb.	28,	1929	Forsythe Oil Co 4,246	5.20

\$8,675.78

\$ 27,101.85

Total Amount Held in Special Protest Fund February 28, 1929. \$201,434.69

The above amount has been removed from the Special Protest Fund by the State Treasurer, and paid into the Road Tax Fund as per authority on the above dealers, letters agreeing to same being filed in the office of the State Inspector of Oils.

# SCHEDULE U

## LEDGER STATEMENT

## PENALTY ON DELINQUENT TAX INCLUDED IN EARNING STATEMENT OF FOUR-CENT TAX TRANSFERRED TO ROAD FUND

					Monthly	
Date	Names	Collected	А	ssessed	Total	Total
July 31, 1929	Triple X Oil Co		\$	31.49		
July 31, 1929	Mountview Filling Station	4.29		4.29		
July 31, 1929	Craig Farmers Milling & Elevator Co	25.37		25.37		
July 31, 1929	Velvetine Oil Co	8.20		8.20		
July 31, 1929	Western Nebraska Oil Co	14.96		14.96 .		
July 31, 1929	Golden Rod Filling Station (Wm. Jones)	6.44		6.44		
					\$ 90.75	
Aug. 21, 1929	Velvetine Oil Co	\$ 8.20	\$	8.20		
Aug. 21, 1929	O. Johnson	25.30		25.30		
Aug. 29, 1929	Aldan Oil Co	3.01		3.01		
Aug. 30, 1929	Triple X Oil Co	62.96		62.96		
Aug. 30, 1929	West Denver Coal & Oil Co	62.60		62.60		
Aug. 30, 1929	Clarke Petroleum Co	61.90		61.90		
Aug. 30, 1929	Strang Garage Co	118.52		118.52		
Aug. 30, 1929	M. W. Bromell	23.77		23.77		
Aug. 30, 1929	O. Johnson	6.40		6.40		
					\$ 372.66	
Sept. 1, 1929	Central Garage	\$ 4.00	\$	4.00		
Sept. 1, 1929	O. H. McGrew	63.78		63.78		
Sept. 17, 1929	Colorado Fuel & Iron Co	25.16		25.16	01430	
Sept. 19, 1929	M. W. Bromell	7.92		7.92		
Sept. 23, 1929	Arkansas Valley Auto Co	31.21		31.21		
Sept. 25, 1929	Cities Oil Co	143.44		143.44		
Sept. 17, 1929	Raven Oil & Ref. Co	1.28		1.28	201204	
Dopti 11, 1010			-		\$ 276.79	
Oct. 15, 1929	Riverside Filling Station	\$ 25.28	\$	25.28	10.192	
Oct. 21, 1929	Golden Rod Filling Station (Wm. Jones)	62.92		62.92		
000. 21, 1020	Golden Hod Fining Station (Win. Jones)		2 Ser 12	12/13	\$ 88.20	
Nov. 1, 1929	Nelson Service Station	\$ 62.46	\$	62.46		
Nov. 18, 1929	A. J. Finch		a the st	31.49	inner the also	Period of
100. 18, 1929	A. 0, Fillen,		_		\$ 93.95	
Dec. 2, 1929	Golden Rod Filling Station (Wm. Jones)	\$ 31.83	\$	31.83	\$ 31.83	
Dec. 2, 1929	Golden mod Filling Station (will, Jones)	4 01.00	Ŷ		+ 01100	
Amount C	ollected for Penalty in 1929					\$ 954.18
Amount C	onected for renalty in 1929					+

STATE INSPECTOR OF OILS

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### EXHIBIT A

Gallons of Gasoline Upon Which Tax Has Been Assessed to Dealers in the State of Colorado for the Period of 13 Months, to-wit: Nov. 1, 1928, to Nov. 30, 1929

Company	Address	3c Tax	4c Tax	Total	
Ace Petroleum Co	Denver		23,864	23,864	
Adams Motor Co	Colorado Springs	113,982	174.626	288,608	
Aldan Oil Co		193,824	258,175	451,999	
Aldons, L. V.		24.146	7.933	32,079	
Alexander Industries, Inc		26,923	51.422	78,345	
Arapahoe County Oil Co	Littleton	64.175	86.181	150,356	
Arkansas Valley Auto Co		32,151	47.436	79,587	1
Atchison, Topeka & Santa Fe		476	1.200	1,676	
Automatic Oil & Gas Service, Inc		32,143	80.535	112,678	
Babb, I. C		16.304		16.304	
		20,000			
Bagby Oil Co	Alamosa	137,185	148,998	286,183	
Barnett Gas & Oil Co		169,931	362.479	532,410	
Beard, Wm.		40,156	55,500	95,656	
Bellrose Service Station		12,346		12,346	
Bennett. E. G.		32,273	55.088	87.361	1
		02,210	00,000		
Birdsall-Stockdale Motor Co	Colorado Springs	127,269	116.582	243,851	
Boggs Auto Supply Co	Sterling	275,079	489,456	764,535	
Boyd Bros.			39.679	39,679	
Bradford Auto Co		3.900	17.747	21,647	
Brewster Motor Co		138.876	142,423	281,299	
Bridges-McMichael Oil Co	Bushnell, Neb	140		140	
Bright's Service Station		28,993	18,998	47,991	
Broadmoor Hotel Co			138,925	138,925	
Bromell, M. W.		8,163	30,013	38,176	
Buchanan, C. S.		32,066		32,066	

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DEPARTMENT REPORT

Company	Address	3c Tax	4c Tax	Total
Buck's Service Station         Burlington Equity Exchange Co         Burlington Oil Co         Bus Transportation Co         Calhan Motor Co	Burlington	$\begin{array}{r} 49,027\\24,237\\80,589\\2,469\\20,901\end{array}$	$\begin{array}{r} 63,491 \\ 86,347 \\ 123,657 \\ -3,687 \\ 22,251 \end{array}$	$112,518 \\ 110,584 \\ 204,246 \\ 6,156 \\ 43,152$
Carroll, Burton Carroll Motor Co Carroll, W. K. Carver, Ed. R. Castle Coal & Supply Co.	Brush Pueblo Wiley	274,292 16,081  48,260 8,008	365,487 63,183 84,656 70,800 193,672	639,779 79,264 84,656 119,060 201,680
Castle Rock Oil Co Central Garage Central Gas & Oil Co Champlin Refining Co Cheek & Biers.	Salida Denver Enid, Okla	$73,159 \\121,197 \\87,358 \\44,709 \\66,044$	36,577 195,924  97,401 118,109	$\begin{array}{c} 109,736\\ 317,121\\ 87,358\\ 142,110\\ 184,153\end{array}$
Chew-Agri Motor Co C., B. & Q. Ry. Co Chrisman Service Station Christensen, A. N Christopher Oil Co	Omaha, Neb Pueblo Limon	64,538 1,253  48,459 8,152	56,962 2,934 23,648 71,592 94,910	$121,500 \\ 4,187 \\ 23,648 \\ 120,051 \\ 103,062$
Cities Oil Co Cities Service Oil Co City of Colorado Springs City and County of Denver City of Greeley	Denver           Colorado         Springs           Denver	$170,073 \\715,184 \\24,272 \\207,650 \\16,240$	$283,432 \\935,117 \\47,361 \\366,201 \\\dots\dots$	$\begin{array}{r} 453,505\\ 1,650,301\\ 71,633\\ 573,851\\ 16,240\end{array}$
City Oil & Fuel Co Clarke Petroleum Co C. M. S. Motor Co Cohan, J. (Drive Oil Co.) Colorado Fuel & Iron Co	Denver	141,332  401,271 29,734	$\begin{array}{c} 200,867\\ 132,105\\ 10,500\\ 108,625\\ 47,706\end{array}$	342,199 132,105 10,500 509,896 77,440

STATE INSPECTOR OF OILS

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Colorado Petroleum Products Co         Denver         96,879         102,983         199,84           Colorado Springs & Interurban Ry         Colorado Springs         6,557         19,034         25,55           Colorado Supply Co         Denver         180,466         180,466         180,466           Colorado-Utah Petroleum Co.         Denver         133,713         142,009         275,72           Colorado-Utah Supply Co.         Mt. Harris         15,894         41,376         57,22           Consumers Oil Co         Colorado Springs.         104,561         180,677         285,23           Consumers Oil Co         Ft. Collins         72,952         100,156         173,10	1 6 2
Colorado Supply Co.         180,466         180,467         265,23         104,561         180,677         285,23	6 12
Colorado Supply Co.         180,466         180,467         265,23         104,561         180,677         285,23	12
Colorado-Utah         Petroleum         Co.         Denver         133,713         142,009         275,713           Colorado-Utah         Supply Co.         Mt. Harris         15,894         41,376         57,27           Consumers         Oil Co.         Colorado Springs.         104,561         180,677         285,23	
Colorado-Utah Supply Co.         15,894         41,376         57,27           Consumers Oil Co.         Colorado Springs.         104,561         180,677         285,23	0
Consumers Oil Co	8
100,100 110,10	8
Consumers Oil Co	1
Continental Oil Co 15,380,953 19,386,076 34,767,02	9
Co-operativé Oil Co	7 DE
Corner Service Station	4 PA
Cossel, Olen	0 R
Costanzo, Frank	6 M
Craig Farmers Milling & Elevator Co	0 E
Cripple Creek Auto Co	0 NT
Crowley County Petrol. Co	3 R
Crown Service Co	0 早
Cuney & Smith	3 OF
Cunningham & Sons 198,445 195,404 393,84	9 m
Daum, F. P 46,689 68,934 115,62	3
Davis, D. E	2
Davis, T. T	8
DeBoer, Jack, Inc 156,367 156,367 156,367	7
Denco Oil Co 15,994 266,164 282,15	8
Denver Ice & Cold Storage Co 37,094 70,728 107,82	2
D. & R. G. W. Ry. Co	7
D. & S. L. Ry. Co	
Denver Union Oil Co	
DeWitt Motor Co 18,618 57,628 76,24	
Diamond Gas & Fuel Co 253,285 393,835 647,12	0

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DEPARTMENT REPORT

Company Address	3c Tax	4c Tax	Total	
Dickerson, R. C.       Lycan         Diodosio, Mike       Pueblo         Douglas County Gas & Oil Co.       Castle Rock.         Eberharter, L.       Louisville         Eckles, J. R.       Lamar	89,613 8,167  146,323	$790 \\ 103,055 \\ 31,569 \\ 15,936 \\ 175,825$	$790 \\ 192,668 \\ 39,736 \\ 15,936 \\ 322,148$	
Egnew, R. C.       Delta         Elbert Gas & Oil Co.       Elbert         Elder, J. T.       Las Animas.         El Paso County.       Colorado Springs.         Equity Co-op. Oil Co.       Yuma	56,195 48,219 64,999 8,288	57,597 73,241 71,042 94,712	$113,792 \\ 121,460 \\ 136,041 \\ 8,288 \\ 94,712$	~~~~~
Everly Oil Co.       Longmont         Farmer's Elevator Co.       Julesburg         Faulconer, Oscar       Crook         Fidler Oil Co.       La Junta.         Finch, A. J.       Gill	96,537 32,269 8,090 108,337	$\begin{array}{c} 118,293 \\ 78,986 \\ 71,465 \\ 126,107 \\ 39,839 \end{array}$	$214,830 \\ 111,255 \\ 79,555 \\ 234,444 \\ 39,839$	
Firestone Tire Stores, Inc.       Pueblo         Flagler Filling Station.       Flagler         Fleming Service Station.       Fleming         Forbush Fuel & Ice Co.       Pueblo         Ford Motor Co.       Denver	94,894 55,922 270,452 89,420	$\begin{array}{c} 6,330\\ 125,960\\ 106,849\\ 408,879\\ 118,089\end{array}$	$\begin{array}{r} 6,330\\ 220,854\\ 162,771\\ 679,331\\ 207,509\end{array}$	
Forsythe Oil Co	$157,192 \\935,781 \\39,438 \\63,624 \\104,988$	$178,254 \\ 1,078,753 \\ 47,520 \\ 126,517 \\ 143,959$	335,446 2,014,534 86,958 190,141 248,947	
Galeton Motor Co.       Galeton         Genoa Oil Co.       Genoa         Giannette, Frank       Pueblo         Giddings & Thayer.       Timnath         Gill Gas Co.       Gill	40,663 72,359  12,324 36,207	$149,612 \\ 62,883 \\ 30,313 \\ 86,641$	$\begin{array}{r} 40,663\\ 221,971\\ 62,883\\ 42,637\\ 122,848\end{array}$	

STATE INSPECTOR OF OILS

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Company	Address	3c Tax	4c Tax	Total	
Golden Ash Fuel Co Golden Rod Filling Station Golden Rule Oil Co Golden Rule Refining Co Goodbar Oil Co	Brush	$145,052 \\ 56,955 \\ 343,034 \\ 72,736 \\ 40,552$	201,940 95,103 649,208  125,810	346,992 152,058 992,242 72,736 166,362	
Goracke, F. M Grand Oil Co Gust & Roman Hallenbeck, Chas. V Harris Independent Oil Co	Grand Junction Mead Rifle	41,898 71,851  40,500 101,745	$\begin{array}{r} 78,210\\ 339,022\\ 54,113\\ 70,604\\ 118,578\end{array}$	$120,108 \\ 410,873 \\ 54,113 \\ 111,104 \\ 220,323$	
Hawthorn, E. L Hicks & Remington Highland Oil & Gas Co Hively & Gray Holyoke Farmers Co-op. Elevator Co	Hugo Pueblo Ignacio	59,798 32,494  81,709	29,496 88,474 86,934 13,394 124,639	$\begin{array}{r} 29,496 \\ 148,272 \\ 119,428 \\ 13,394 \\ 206,348 \end{array}$	
Home Oil Co	, [ Haxtun	180,611 228,919	223,140 392.741	403,751	TATAT A
Home Oil & Supply Co Hopkins, Earl Horn, Otto H Horton, I. D	Springfield Eastlake	54,487  88,842	31,636 23,672 94,871	86,123 23,672 183,713	***
Hudnall Oil Co Hudson, Sim, Oil Co Huerfano Trading Co Hughes Bros., Inc Hunker Oil Co	BurlingtonAlamosaPueblo	202,083 72,834 13,646 153,468 56,436	228,962 110,302  252,550 86,612	$\begin{array}{r} 431,045\\183,136\\13,646\\406,018\\143,048\end{array}$	
Independent Distributors Independent Oil Co Jeremiassen, Ross	Colorado Springs	99,216 88,272	$15,898 \\ 152,441 \\ 118,425$	15,898 251,657 206,697	

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DEPARTMENT REPORT

Company	Address	3c Tax	4c Tax	Total	
Johnson, G. R Johnson Oil Co Johnson, O Johnson's Corner Jones Garage	Johnson, Kan Boone Longmont	96,900 42,290	$\begin{array}{r} 63,189\\ 8,680\\ 53,773\\ 134,284\\ 85,855\end{array}$	$\begin{array}{r} 63,189\\ 8,680\\ 53,773\\ 231,184\\ 128,145\end{array}$	
Jones, L. E Kamm Service Station Kayser, Allen J Keeling Oil Co Kent Oil Co	Sterling Denver Branson	2,151  120,561 7,399	1,5666,42048,389221,80821,656	3,717 6,420 48,389 342,369 29,055	
Kentz, Fred Kepler Gas & Oil Co Kiesau, Gust Kiser-Roberts Oil Co Kissock, J. R., Inc	Delta Loveland	45,877 24,245  49,169	7,941 31,484 35,256 95,330 8,012	53,818 55,729 35,256 144,499 8,012	
Koontz Gas & Oil Co         K-T Oil Corporation         Larimer County         LaVeta Automotive Co         Lenzini Motor Co	Wichita, Kan Ft. Collins La Veta	126,645 30,822  163,006	$132,407 \\ 205,147 \\ 31,579 \\ 70,792 \\ 198,071$	$132,407 \\331,792 \\62,401 \\70,792 \\361,077$	
Lincoln County Littleton Gas & Oil Co Lohmann Motor Co Loser, Oliver Manter Oil Co	Littleton BrightonCenter	16,138 127,564 35,795 298,402 19,623	$\begin{array}{r} 39,550\\ 186,223\\ 39,603\\ 544,731\\ 20,699\end{array}$	55,688 313,787 75,398 843,133 40,322	
M & K Oil Co M & O Oil Co Marland Refining Co Martin, Robert Merchants Oil Co	Denver Ponca City, Okla Greeley	55,196 216,973 695,230 23,987 594,433	72,939 252,719 342,182 33,175 825,810	128,135469,6921,037,41257,1621,420,243	

STATE INSPECTOR OF OILS

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Company	Address	3c Tax	4c Tax	Total	
Mesa Garage, Battery & Tire Shop Metzger Motor Co Midwest Refining Co Miller Garage Mona Motor Oil Co	Elizabeth Denver Ft. Collins	118,559 24,034  48,659 46,021	$\begin{array}{r} 170,956\\ 23,806\\ 2,629,430\\ 47,550\\ 217,534\end{array}$	289,515 47,840 2,629,430 96,209 263,555	
Montrose Hardware Co Morgan County Buick Co Morgan Petroleum Products Co Morrison Oil Co Mosman, C. B	Ft. Morgan Denver Denver	$70,116 \\ 8,071 \\ 1,851 \\ 911,178 \\ 7,984$	228,663 61,429  683,658 7,872	$\begin{array}{r} 298,779\\ 69,500\\ 1,851\\ 1,594,836\\ 15,856\end{array}$	DE
Mountain & Plain Oil Co.         Mountain States Construction Co.         Mountain States Oil Corporation         Mountain Tire & Gas Co.         Mountview Filling Station.	Mt. Harris Denver Colorado Springs Dacona	56,626  8,857 120,407 22,190	$266,633 \\18,860 \\121,528 \\194,634 \\8,127$	323,259 18,860 130,385 315,041 30,317	DEPARTMENT
McBurney Oil Co McCrory, Dall B McCune Oil Co McGrath's Service Station McGrew Oil Co., O. H	CotopaxiLa JuntaDenver	$\begin{array}{c} 235,408.\\ 125,574\\ 361,910\\ 145,340 \end{array}$	376,239 31,523 185,468 244,786 256,986	$\begin{array}{c} 611,647\\ 31,523\\ 311,042\\ 606,696\\ 402,326\end{array}$	REPORT
McGrew-DeLong Oil Co McGrew Service Station McNeal Oil Co McPeak Oil Co McReynolds, J. T	Sedgwick La Junta Otis	361,907 53,331 88,506 22,383	$\begin{array}{r} 457,444\\71,321\\140,183\\55,412\\8,135\end{array}$	819,351 124,652 228,689 77,795 8,135	
National Refining Co Navy Gas Co. Navy Gas & Supply Co Navy Gas & Supply Co Nelson Service Station	Haxtun, Julesburg Denver Pueblo	8,126 88,703 2,184,493 427,236 56,903	$\begin{array}{c} 31,467\\ 149,658\\ 2,694,262\\ 563,165\\ 78,813\end{array}$	39,593 238,361 4,878,755 990,401 135,716	

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DEPARTMENT REPORT

Company Address	3c Tax	4c Tax	Total	
Nisbet Oil CoDenver	263,844		263,844	
Northern Garage	121,154	141,944	263,098	
Oasis Service Station	72,489	102,650	175,139	
Olson, Dave, Inc	26,383	63,013	89,396	
Otero Petroleum Sales CoRocky Ford	219,200	316,468	535,668	
Out West Oil Co	116,333	181,459	297,792	
P. & M. Oil CoGrand Junction	146,782	182,566	329,348	
Paramount Oil Co., IncTrinidad	169,143	275,757	444,900	
Patch Oil Co., J. EDenver	7,985	55,151	63,136	
Peetz Consumers Oil Co Peetz	23,625	67,932	91,557	
Penfold, Jay, Oil CoLoveland	73,370	86,995	160,365	
Penfold Service Station	134,272	166,482	300,754	
Peoples Oil CoLoveland	193,208	273,939	467,147	
Peterson's Filling StationFt. Collins	34,458	32,998	67,456	
Petrol-Benzol Co	178,361	324,351	502,712	
Phillips Petroleum CoBartlesville, Okla	16,038	553,847	569,885	
Pinks Service Station	80,407	31,543	111,950	
Platte-Weber Oil CoColorado Springs	114,123	301,677	415,800	
Plummers Service StationFt. Collins	43,790	39,696	83,486	
Porter Oil CoVenango, Neb	955	26,104	27,059	
Post Exchange, Fitzsimons Gen. HospBunnell	8,597	13,638	22,235	
Post Office Service StationBoulder	211,769	205,278	417,047	
Potato Growers Co-op. CoEaton	120,399	196,808	317,207	
Poudre Canon Filling StationLaporte	107,338	268,015	375,353	
Powerine CompanyDenver	2,262,990	2,900,994	5,163,984	
Powerine StationJulesburg		68,288	68,288	
Prather Gas & Service StationYuma	7,980	23,858	31,838	
Public Service Co. of ColoradoDenver	46,953	95,737	142,690	
Pueblo Gas & Service StationPuebloPueblo	145,229	180,013	325,242	
Pulley Service, IncPueblo	96,383	114,365	210,748	

STATE INSPECTOR OF OILS

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Company	Address	3c Tax	4c Tax	Total	
Putnam Filling Station		56,990	79,307	136,297	
Quality Oil Co		46,591	67,177	113,768	
R. W. T. Service, Inc			62,989	62,989	
Radio Gas & Oil Co	Loveland	24,250	86,984	111,234	
Raven Oil & Refining Co	Vernal, Utah	1,338	2,066	3,404	
Red Cap Service Station	Colorado Springs	16,209		16,209	
Red Dot Oil Co		114,031	97,172	211,203	
Reed Gas & Oil Co		136,095	198,501	334,596	
Reimer-Smith Grain Co		61,122	106,821	167,943	
Rendle-Dow Stores Co		16,354	84,352	100,706	DEI
Riverside Filling Station	Laporte	19.467	25,424	44,891	AI
Riverside Ice & Storage Co	Ft. Collins	57.084	79,363	136,447	\$T.
Robar Corporation	Denver	334,038	646,446	980,484	M
Roberts Oil Co		98,958	147,398	246,356	EL
Rogers Oil Co		40,182	55,286	95,468	T
Romeo Garage		20,433	77,361	97,794	KE
Romine Oil & Supply Co	Colorado Springs	84,636	305,819	390,455	20
Rutherford's Service Station		94,691	149,875	244,566	K
Sam's Automatic Service Station		48.147	47,215	95,362	-
San Luis Consumers Gas & Oil Co		32,069	134,188	166,257	
Sayler Oil Co	Lamar	98,847	139,873	238,720	
Schreivogel & Sons, A. M.		40,261	78,568	118,829	
Scott Oil Co		98,222	122,884	221,106	
Seal's Service Station	Limon	38,524	78,969	117,493	
Sears & Sears	Walsenburg	64,642	63,102	127,744	
Sentry Oil Co	Denver	243,233	564,722	807,955	
Seymour, Mack		14,646	14,320	28,966	
Shane Oil Co	Denver	49,044	55,198	104,242	
Shepherd, W	Elizabeth	32,056	31,432	63,488	
Sherman Auto Co	Greeley	195,371	276,198	471,569	

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DEPARTMENT REPORT

Company	Address	3c Tax	4c Tax	Total
Siegel Oil Co	Denver	494,330	565,847	1,060,177
Sinclair Refining Co	Kansas City, Mo	4.212.831	6,699,030	10,911,861
Sindt Service Station	Eaton	56,540	102,722	159,262
Sindt Service Station		129.970	133,880	263,850
Sipple Oil Co Skoglund Oil Co	Canon City	123,199	183,968	307,167
Smith Oil Co., Thos. W		97,940	150.639	248,579
Sommers Oil Co	Donvor	1,367,799	1.935.836	3,303,635
Sommers OII Co	Logdvillo	1,001,100	96.071	96.071
Springhetti, Louis	Omeha Nah	4.980	19.830	24.810
Standard Oil Co. of Nebraska Star Oil Co	Denver	80,519	495,824	576,343
Starkey Automatic Pump Co		137.177	244.615	381,792
Starkey Automatic Pump Co	Wrow	85,799	126,745	212,544
Stedwell & Son	Widy	8,498	10,727	19,225
Steele, Leslie R	Boulder	21,355	33.774	55,129
Stotts & Maley Strang Garage Co	Colorado Springs	57,067	162,554	219,621
			62.844	62.844
Sugar City Auto Co	Hartun	8.073	39.543	47,616
Suhl Oil Co		32,526	63,238	95.764
Sunday's Garage		242,536	269,663	512,199
Superior Refining Co	Denver	8,157	23,717	31,874
Swinehart, W. E	Creede	8,197	20,111	
Taylor Grain Co		40,500	109,949	150,449
Telinde Gas & Oil Co		65,055	126,951	192,006
Texas Company, The	Denver	7,408,155	13,178,802	20,586,957
Throckmorton & Briggs	Henderson	56,478	78,976	135,454
Toliver & Kinney Merc. Co	Ft. Collins	88,820	181,960	270,780
Triangle Motor Co		105,831	87,061	192,892
Trinidad Oil Co	Trinidad	389,614	502,414	892,028
Triple X Oil Co	Springfield	24,339	39,564	63,903
Tri-Valley Gas & Oil Co	Bvers	176,649	386,176	562,825
Turner Bros.	Nunn	20,947	30,052	50,999

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Company	Address	3c Tax	4c Tax	Total	
Union Pacific Ry. Co	Omaha, Neb	556	640	1.196	
Union Refining Co		880,722	1,361,861	2,242,583	
U. S. Oil Works		10.400	39,785	50,185	
Valley Oil Co			7,895	7.895	
Vasseur, M. J			5,981	5,981	
Velvetine Oil Co	Stroghung	101 004	107.070	248,896	
Vickers Petroleum Co		121,024	127,872		
		2,502,708	1,009,454	3,512,162	
Vicks Service Station		8,133	27,831	35,964	
Victory Motor Co		40,680	63,386	104,066	
Victory Oil Corporation	Burlington	14,289	1,028	15,317	
Vincent Auto Co	Yuma		13,789	13,789	
Vollmer Bros	Colorado Springs	16,023	23,650	39,673	
Walter's, Inc	Pueblo	81,093	281,955	363,048	
Warren Lumber Co	Snyder	30,785	28,597	59,382	
Washington Park Service Station	Denver	56,998	55,455	112,453	
Water Commissioners, Board of	Denver	24.322	39,440	*63.762	
Watkins & Son, J. T.		54,809	80,810	135,619	
Weld County, Board of County Commissioners		189,739	286,042	475,781	
Weld County Filling Station		81,411	87,123	168,534	
West Denver Coal & Oil Co		754,086	776,036	1,530,122	
Western Nebraska Oil Co	Sidney Neb	4.815	7,820	12,635	
Western Stores Co		4,010	8,031	8,031	
White, C. I		6,100		6,100	
White Eagle Oil & Refining Co		1,387,772	2,321,271	3,709,043	
Windsor Oil Co		1,307,772			
		144,049	135,142	279,791	
Your Oil Company		65,012	79,304	144,316	
Zang Co., Ph	Denver	24,173	55,211	79,384	
Totals		CE 450 401	00 027 205	101 100 200	
Totals		65,456,401	96,037,305	161,493,706	

\*In Litigation.

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DEPARTMENT REPORT

#### STATE INSPECTOR OF OILS

#### EXHIBIT B

### Collection of Inspection Fees and Gasoline Tax for Calendar Years 1913 to 1929

							ent of
		Inspection	Gasoline				ase on
7	Tear	Fees	Taxes		Total	Previou	is Year
	1913 \$	9,660.91		\$	9,660.91		
	1914	15,692.69			15,692.69	• • • •	
	1915	20,457.38			20,457.38		
A Real Provide States	1916	25,410.22			25,410.22		
	1917	37.083.99			37,803.99		
	1918	40.878.27			40,878.27		
1c Tax	1919	46.177.74	\$ 274,401.06		320,578.80		
	1920	47.246.98	458,394.82		505,641.80	57	7/10
	1921	59.751.98	566,570.36		626,322.34	23	9/10
	1922	63,332.96	644.912.30		708,245.26	13	1/10
	1923	73,684.82	922,643.73		996,328.55	40	7/10
2c Tax	20-0	113,642.02	1,773,361.66	1,	887,003.68	89	4/10
		108,313.29	1,845,470.48	1,	953,783.77	3	5/10
		115,147.86	2,169,456.07	2.	284,603.93	16	9/10
3c Tax		73,649.57	3.272,537.05	3.	346,186.62	46	5/10
	1928	26,618.08	4,115,298.82	4,	141,916.90	23	8/10
3c and 4c Tax	1929		5,560,348.03	5,	560,348.03	34	2/10

Total ......\$876,748.76 \$21,603,394.38 \$22,480,143.14

Note.—No Inspection Fees were collected in 1929, as Supreme Court decided against collection thereof, and all fees collected from the inception of the 3c Tax, May 1st, 1927, were returned.

### EXHIBIT C

### Statement of Inspection and Collection Costs per 1,000 Gals., 1913 to 1929

Gasoline and Cost per **Refined** Oil Net Thousand Gallons Inspected Expenses Gallons \$ 8,733.03 \$0.05% May 21, 1913, to Nov. 30, 1914..... 16,233,093 .01 1/5 3,646.86 Dec. 1, 1914, to Nov. 30, 1915..... 20,153,025 .0310 7.646.87 Dec. 1, 1915, to Nov. 30, 1916..... 24,771,822 .01% Dec. 1, 1916, to Nov. 30, 1917..... 36,434,570 7,270.67 1, 1917, to Nov. 30, 1918..... 41,468,441 .01 % 8,111.60 Dec. .03 1/2 17,376.02 1, 1918, to Nov. 30, 1919..... 48,805,769 Dec. 17,376.01 .02 % 1, 1919, to Nov. 30, 1920..... 58,153,226 Dec. .03 3 1, 1920, to Nov. 30, 1921..... 72,096,708 24,344.32 Dec. 1, 1921, to Nov. 30, 1922..... 74,626,073 .03 1/5 24,344.33 Dec. 1, 1922, to Nov. 30, 1923..... 82,483,381 21,593.44 .02 3/5 Dec. .0210 1, 1923, to Nov. 30, 1924.....102,784,400 21,593.45 Dec. .03 70 1, 1924, to Nov. 30, 1925.....111,015,425 41,290.38 Dec. 1, 1926, to Dec. 31, 1926.....119,674,394 .03 70 41,053.35 Jan. .03 3 45,240.29 Jan. 1, 1928, to Dec. '31, 1928.....149,862,388 .0230 33,417.29 Jan. 1, 1929, to Dec. 31, 1929.....162,985,733 .02 1/5 45,146.56

Note.—The above statement includes all costs incurred incident to the collection of Inspection Fees and Gasoline Taxes from 1913 to 1928, and Gasoline Taxes only for 1929; also includes expenses of the Laboratory at Boulder, Colorado, for the testing of Gasoline and Oils from 1913 to 1929. EXHIBIT D

## Statement of Collection Costs of Inspection Fees and Gasoline Taxes per One Dollar from 1913 to 1929 (See Exhibit B)

Year		Total Collections	Cost	.Cost of Collection per One Dollar	1929 Total Collections	1929 Net Cost Shale Lab. Included	Cost of Collection per One Dollar	
1913	\$	9,660.91						
1914		15,692.69	\$ 8,733.03	\$0.05 1/5				
1915		20,457.38	3,646.86	.01 7/10				D
1916		25,410.22	7,646.87	.03				DEPARTMENT
1917		37,083.99	7,270.67	.02				AR
1918		40,878.27	8,111.60	.02				TM
1919		320,578.80	17,376.02	.05 2/5				E
1920		529,456.02	17,376.01	.03 3/10				T
1921		627,966.11	24,344.32	.03 9/10				RI
1922		711,504.28	24,344.33	.03 2/5				REPORT
1923		919,679.22	21,593.44	.02 3/10				)RJ
1924		1,836,676.77	21,593.45	.01 1/5				-
1925		1,953,783.77	41,290.38	.02 1/10				
1926		2,284,603.93	41,053.35	.01 4/5				
1927		3,346,186.62	45,240.29	.01 3/10				
1928		4,141,916.90	35,888.51	.00 9/10				
1929	·······	5,560,348.03	46,180.34	.00 8/10	\$5,560,348.03	\$49,274.19	\$0.00886	
Т	'otal\$	22,381,883.91	\$371,689.47					

Note.—Fiscal Years to 1925. Calendar Years 1925 to 1929. Net Cost, 1913 to 1927. Gross Cost, 1928 and 1929.

### STATE INSPECTOR OF OILS

## EXHIBIT E

## Comparative Statement of Gasoline Consumed in Colorado from 1913 to 1929

		Increase Over
Year	Gallons	Former Year
1913	. 5,860,855	
1914	. 10,372,238	52.95
1915	. 14,482,629	39.63
1916	. 19,988,001	38.01
1917	. 29,879,153	49.49
1918	. 32,800,910	9.78
1919	. 42,361,550	29.15
1920	. 51,917,098	22.56
1921	. 60,390,692	16.32
1922	. 65,891,200	9.11
1923	. 75,258,403	14.22
1924	. 94,031,766	24.95
1925	. 98,741,301	5.01
1926	.112,380,309	13.81
1927	.128,304,024	14.16
1928	.142,027,665	10.69
1929	.155,507,842	9.49

### EXHIBIT F

## Comparative Statement of Delinquent Taxes for Fiscal Years 1925 to 1928 and Calendar Year 1929

Nov. 30 1925	Nov. 30 1926	Nov. 30 1927	Nov. 30 1928	Dec. 31 1929
Delinquent 1c Tax—Schedule A\$188,993.09	\$111,185.28	\$ 24,657.69	\$ 23,959.08	\$ 19,497.47
Delinquent 2c Tax—Schedule C 340,758.36	227,041.39	35,656.26	24,094.57	2,789.60
Delinquent 3c Tax-Schedule G-1		81,004.21	186,565.09	43,880.12
Delinquent 4c Tax—Schedule I-3				39,702.52
Total Schedule I-3\$529,751.45	\$338,226.67	\$141,318.16	\$234,618.74	\$105,869.71

Note .-- The 1c Tax Balance is being paid each month in installments; note the reduction since 1925.

The 2c Tax Balance is tied up by Litigation.

The 3c Tax Balance is also tied up by Litigation.

The 4c Tax Balance was all settled by January 15, 1930, except amount tied up by Litigation with City and County of Denver and Weld County.

### EXHIBIT G

Sample of Affidavit required to be filed by the 25th day of each month for the previous month's receipts in the office of the State Inspector of Oils

.

TO THE STATE INSPECTOR OF OILS,

State Capitol,

Denver, Colorado.

The undersigned Distributor, during the month of ...... 19....., 19....., has received the following cars of Gasoline and Refined Oil at the stations of said Distributor named below.

Date	Shipped From	Shipped to Car	Car	Shipped to Car		Invoice Gallonage	
Unloaded	(Town and State)	(Town)	Initial	No.	Gas	R. O.	
						W.S.	
Note.—29 load lots.	% deduction allowed only on car-	Total Gallonage Less 2% Disc Balance					
10000 1000							
				of Distributor			
		Ву				· · · · · · · · · · · · · · · · · · ·	
Make all	checks payable to State Inspector	of Oils.					
Cou	TE OF COLORADO, nty of						
bove statemen Distributor in (SEAL) Subscribed	nt on behalf of said Distributor; th this State during the month of I and sworn to before me this ission expires	hat said statement truly sets 	forth the gasolin	ne sold, offered	l for sale, or	used by sale	

Notary Public.

### EXHIBIT H

Sample of Affidavit for Tank Truck deliveries to be filed by the 25th day of each month for the previous month's deliveries into or out of the State, in the office of the State Inspector of Oils

AFFIDAVIT.

To JAMES DUCE, State Inspector of Oils,

Room 12, State Capitol Building, Denver, Colorado.

Name of Company			Address				
	and the second		Date				
Date	Name	Address	Gals. Gas	Gals. R. O.			
Turing a let							
	a manufacture and a second						
		Signed					
Subscribed	and sworn to before me thisday of	19					
My commis	ssion expires	e State inspector of Oils					
		te din anterna musich tor it	e krazione mosto	of recepts in			
(SEAL)		Washington (1997)	No	tary Public.			

## EXHIBIT I

## SOURCE OF GASOLINE SUPPLY

# For Calendar Years 1914 to 1929 (For 1913 See 1927 Dept. Report)

1914	1915	1916	1917	1918	1919	1920	1921
California		14,736					
Colorado 416,560	332,168	395,035	3,546,823	5,701,883	6,454,277	6,610,291	5,222,884
Kansas 2,573,449	2,255,127	2,494,058	4,641,656	4,486,988	6,132,237	10,528,273	14,942,981
Missouri 12,199			49,144	75,015	12,974	79,505	391,526
Nebraska	26.470	36.058	42,494	29,935	182,754	49,111	36,819
New Mexico							
	1.439.072	2,430,933	4.021.819	6,900,589	10,432,605	14,175,711	16,442,353
	1,400,012	2,319			58,661	130,323	3,480,976
TOTAL TITLET							
Utah	10.428.292	14.614.862	17.577.217	15,606,500	19.088,042	20,343,884	19,873,153
Wyoming 6,711,805	10,428,292	14,014,002	11,011,211	10,000,000	10,000,000		
Totals10,372,238	14,482,629	19,988,001	29,879,153	32,800,910	42,361,550	51,917,098	60,390,692
1922	1923	1924	1925	1926	1927	1928	1929
	58,217	215,050	269.749	187.409	41,055		
California		10.282,726	5,659,669	9,555,417	15,465,893	18,164,163	19,029,208
Colorado 7,019,477		5,953,767	9,819,345	6.844.453	14,135,557	18,491,680	23,998,336
Kansas 7,065,370		5,555,101	16,002				
Missouri		53,577	21,698	35,539	95,105	129.657	111,438
Nebraska 32,075			1,350,223	2,014,429	2.314.029	2,617,796	2,382,770
New Mexico			18.986.618	19,276,048	29,875,514	26,082,400	31,802,699
Oklahoma	14,964,480	19,068,947		945.848	1.673,332	2,409,842	5,840,205
Texas 2,450,740	1,334,482	676,155	801,184		409.386	24,419	30,195
Utah			86,139	101,459		74.107.708	72,259,543
Wyoming	44,408,857	57,781,544	61,730,674	73,419,707	64,294,153		53,448
Louisiana							00,440
Totals		94,031,766	98,741,301	112,380,309	128,304,024	142,027,665	155,507,842

STATE INSPECTOR OF OILS

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### EXHIBIT J

# Total Gallons of Gasoline Shipped into Counties of Colorado, Annually and Semi-Annually in the Calendar Year 1929

(SEE EXHIBIT I)

	January	July to	Total
Counties	to June	December	for 1929
Adams	722,796	1,197,136	1,919,932
Alamosa	808,516	1,003,010	1,811,52€
Arapahoe	1,044,758	1,108,383	2,153,141
Archuleta	90,390	76,116	166,506
Baca	1,110,642	1,419,991	2,530,633
Bent	516,121	589,872	1,105,993
Boulder	2,595,901	3,512,355	6,108,256
Chaffee	1,409,709	2,472,177	3,881,886
Cheyenne	369,654	434,135	803,789
Clear Creek			
Conejos	203,843	253,765	457,608
Costilla	224,618	196,142	420,760
Crowley	329,342	385,180	714,522
Custer	83,335	100,152	183,487
Delta	685,845	818,355	1,504,200
Denver	23,701,356	24,878,719	48,580,075
Dolores	139,873		139,873
Douglas	263,765	264,393	528,158
Eagle	98,436	132,945	231,381
Elbert	450,813	439,135	889,948
El Paso	4,340,042	5,141,684	9,481,726
Fremont	1,019,282	1,178,709	2,197,991
Garfield	601,763	970,444	1,572,207
Gilpin	22,551	56,631	79,182
Grand	195,470	408,877	604,347
Gunnison	104,165	222,093	326,258
Hinsdale			
Huerfano	911,368	967,767	1,879,135
Jackson	83,980	216,895	300,875
Jefferson	254,962	255,489	510,451
Kiowa	330,969	358,030	688,999
Kit Carson	1,250,593	1,109,319	2,359,912
Lake	229,562	340,115	569,677
La Plata	296,357	340,920	637,277
Larimer	2,855,555	3,262,768	6,118,323
Las Animas	1,862,011	2,035,641	3,897,652
Lincoln	846,456	1,058,620	1,905,076
Logan	1,690,751	1,967,806	3,658,557
Mesa	1,404,291	1,792,688	3,196,979
Mineral	27,342	49,039	76,381
Moffat	379,821	676,299	1,056,120

## STATE INSPECTOR OF OILS

## EXHIBIT J—(Continued)

	January	July to	Total
Counties	to June	December	for 1929
Montezuma	76,290	270,617	346,907
Montrose	509,949	608,540	1,118,489
Morgan	1,710,992	1,823,909	3,534,901
Otero	1,631,193	1,808,426	3,439,619
Ouray	25,176		25,176
Park			
Phillips	856,154	960,527	1,816,681
Pitkin	25,463	20,495	45,958
Prowers	1,427,249	1,477,491	2,904,740
Pueblo	4,001,060	4,784,078	8,785,138
Rio Blanco	19,528	20,991	40,519
Rio Grande	536,696	903,514	1,440,210
Routt	269,445	515,183	784,628
Saguache	487,931	448,513	936,444
San Juan	19,647	49,546	69,193
San Miguel	71,372		71,372
Sedgwick	619,168	824,587	1,443,755
Summit			
Teller	135,667	152,078	287,745
Washington	526,504	494,817	1,021,321
Weld	4,816,632	5,377,066	10,193,698
Yuma	889,708	1,062,841	1,952,549
Total	72,212,828	83,295,014	155,507,842

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•	EXHIBIT K (See Exhibit L)		
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# Gasoline Exported Out of State Jan. 1, 1929, to Dec. 31, 1929

Date						
1929	Wyoming	Oklahoma	Kansas	Nebraska	New Mexico	Utah
January	7,551	18,248	7,273	1,290	73,914 1/2	6,9901/2
February	3,974		4,227	1,145	46,127	6,051
March	3,041			1,479	34,724	5,526
April	3,801		6,385	4,272	43,592	10,628
May	1,026		15,260	4,625	45,447	10,417
June	10,114		10,393	6,728	55,384	13,876
July	12,915		13,514	7,149	45,610	8,954
August	15,634		14,874	11,121	51,856	13,512
September	13,288		25,462	17,289	55,011	16,842
October	11,485		16,539	10,113	49,422	14,027
November	20,308		24,017	6,412	50,013	15,102
December	10,443		14,150	5,058	35,091	15,424
Totals	112 580	18,248	152.094	76,681	586,191 1/2	137.3491/2

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## EXHIBIT L

Callons

Gasoline Exempted from Tax, Including That Used by Railroads, U. S. Government, Exports and Cash Refunds for the Calendar Year 1929

	ross Gals. Inspected	Adjust- ments	Used on Railroads	Used by U. S. Govt.	Miscel. Refunds	Exported Out of State	Gallons Exempted By Cash Refunds	Total Gallons Exempted	Net Gallons Taxed
January	9,856,362	6,926	30,122	29,360	2,004	115,267	1,029,195	1,212,874	8,643,488
February	8,501,530	24,282	6,009	36,243	12,202	61,524	1,033,758	1,174,018	7,327,512
March	13,684,612	16,528	36,456	110,509	4,627	44,770	284,321	497,211	13,187,401
April		6,166	33,511	42,445	3,878	68,678	420,713	575,391	14,961,312
May		8,528	7,455	31,376	9,953	76,775	290,584	424,671	11,247,270
June		14,863	73,355	50,933	3,599	96,495	933,498	1,172,743	11,866,230
July			38,633	45,947	7,366	88,142	1,324,760	1,504,848	14,345,465
August			38,700	62,581	21,706	106,997	1,025,871	1,255,855	16,849,516
September			70,601	47,033	9,003	127,892	1,200,186	1,454,715	12,763,659
October		20,561	24,886	66,908	6,517	101,586	1,546,006	1,766,464	12,339,750
November		7,818	61,985	52,437	3,681	115,852	1,413,554	1,655,327	8,998,051
December		16,067	52,444	38,155	9,670	80,166	1,272,071	1,468,573	8,937,237
	155,629,581	121,739	474,157	613,927	94,206	1,084,144	11,774,517	14,162,690	141,466,891

### EXHIBIT M

## Gallons of Refined Oil Shipped into State for Calendar Year 1929, Dec., 1928

Date 1928 .	Gross Gallonage	Exported.	Net Gallonage
December, 1928	. 480,489	4,360	437,429
1929			
January, 1929	. 593,750	2,490	591,260
February, 1929	. 513,491		513,491
March, 1929	. 698,250		698,250
April, 1929	. 799,887		799,887
May, 1929			669,033
June, 1929	. 493,341		493,341
July, 1929	. 548,255		548,255
August, 1929			810,996
September, 1929			699,326
October, 1929			593,917
November, 1929		3,926	537,079
December, 1929		5,635	511,005
Total Calendar Year 1929	.7,477,891	12,051	7,465,840

### EXHIBIT N

## Gasoline Consumption in Comparison to Number of Registered Motor Vehicles

Calendar Years	Motor Vehicles Registered	Per Cent Increase	Gasoline Consumption	Per Cent Increase	Average Gallons per Machine
1914	21,439		10,372,238		483.8
1915	31,836	48.49	14,482,629	39.63	454.9
1916	48,027	50.86	19,988,001	38.01	416.2
1917	71,355	48.57	29,879,153	49.49	418.7
1918	87,116	22.09	32,800,910	9.78	376.5
1919	108,501	24.55	42,361,550	29.15	390.4
1920	130,913	20.66	51,917,098	22.56	396.6
1921	148,607	13.52	60,390,692	16.32	406.4
1922	165,098	11.10	65,891,220	9.11	399.1
1923	191,429	15.95	75,258,403	14.22	393.1
1924	215,473	12.56	94,031,766	21.33	423.8
1925	241,959	12.29	98,741,301	5.01	408.1
1926	254,693	5.26	112,380,309	13.81	441.2
1927	269,854	5.95	128,304,024	14.16	475.4
1928	284,543	5.45	142,013,099	10.69	499.1
1929	304,631	7.05	155,507,842	9.5	510.4

Note.—Increase of consumption per machine from 1924 to 1929 is caused by large increase of bus lines, heavy truck lines, taxicabs, closed cars and general use of tractors and gasoline operated machinery.

To estimate the amount of gasoline used in a county, multiply average gallons per machine by number of motor vehicles registered in said county.

#### STATE INSPECTOR OF OILS

### EXHIBIT O

MR. JAMES DUCE,

State Oil Inspector, Capitol Building,

Denver, Colorado.

## Dear Sir:

The following is a report of the work carried on in the State Oil Laboratory for the year 1929:

### **Gasoline Tests**

January 1,224	August 2,165
February 1,162	September 1,789
March 1,472	October 1,567
April 1,745	November 1,520
May 1,465	December 1,337
June	
July 1,726	Total for year18,808

This shows an increase of 1,288 over the year 1928.

Check tests on gasoline	400
Linseed oil	20
Turpentines	20
Distillation	
Oil Analyses	100
Miscellaneous	10
Heat determination of fuel oils	11

Respectfully submitted,

J. A. HUNTER.

### EXHIBIT P

## Shale Oil Investigations by the State of Colorado in Co-operation With the U. S. Bureau of Mines

One of the potential resources of the State of Colorado is the immense oil shale bed in the western part of the state. The everincreasing demand for motor fuel is bringing the development and utilization of this wealth closer to a necessity and reality.

During the past few years the State of Colorado in co-operation with the U. S. Bureau of Mines has been conducting research experiments for the purpose of developing economic methods of producing and refining shale oil. Steady progress has been made in the work. During the past year two problems were undertaken: the "cracking" or distillation under pressure of the crude oil to determine the percentage of gasoline which could be produced from the crude, and the chemical treatment of the "cracked" or pressure distillate to make a refined marketable product.

Costs were also taken into consideration.

### CRACKING EXPERIMENTS

The oils used for this study were made in the N-T-U and Pumpherston retorts at the government plant, Rulison, Colorado. These oils differed from each other mainly in the amount of straight run gasoline distilled from the crude oil before cracking. A representative oil from the N-T-U retort had a gravity of  $21.5^{\circ}$  A. P. I. and yielded 8 per cent skimmed gasoline. A Pumpherston oil had a gravity of  $27.5^{\circ}$  A. P. I. and contained 13.5 per cent skimmed gasoline. After distilling out the gasoline at atmospheric pressure the topped crude was distilled to dry coke (containing no oil) under various pressures, ranging from 50 to 150 pounds. It was found that the maximum conversion to gasoline was made at pressure between 120 and 130 pounds.

The still used for these investigations was designed in the laboratory and while not entirely comparable to stills used in the petroleum industry, it is similar to them and gives results which can be compared with petroleum cracking processes. Figure I shows a picture of the complete apparatus in operation. 1. Reservoir for charging stock.

2. High pressure pump for charging still.

3. Still made of seamless steel tubing, 9/16 inch thick, 25 inches long, and 4 inches inside diameter.

4. Reflux tower made of the same material as the still and about the same size.

5. Pressure gauges.

6. Thermometer wells.

7. Water condensers.

8. Distillate receiver.

9. Knockdown tower.

10. Trap.

11. Hydrogen sulphide absorbers used to determine the amount of this gas given off by the distillation.

12. Activated charcoal used for recovery of absorption gasoline (very light gravity gasoline).

13. Meter for measuring the noncondensable or dry gas.

14. Gas sampling bottle.

15. Excess gas burner.

16. Brick still setting, insulated and inclosing gas burner.

The total capacity of this still was five liters.

In making the experiments three liters of the topped crude oil were charged to the still, and after the distillation was started two more liters were charged, 50 c.c. at a time at intervals of 15 to 30 minutes, depending on the rate of distillation. The rate was regulated to give the maximum yield of crude cracked gasoline distillate. The recovery of the products from a 130 pound pressure run on Pumpherston oil was as follows: coke, 23.5 per cent by weight; dry gas, 18.5 per cent by weight; and per cent by volume of gasoline, crude skimmed gasoline, 13.5; crude cracked gasoline, 44.4; absorption gasoline, 7.9, making a total gasoline recovery of 65.8 per cent.

The analysis of the dry gas was as follows:

no analysis of the one bas	
Carbon dioxide	0.0
Illuminants	
Oxygen	1.6
Hydrogen	1.6
Carbon monoxide	6.2
Methane	
Ethane	
Nitrogen	2.7
B. t. u. per cu. ft	
The second secon	

#### **REFINING EXPERIMENTS**

A number of methods previously tried for treating the crude cracked gasoline were again repeated. Some of these were, passing the gasoline in the vapor phase through fullers earth, treating with liquid sulphur dioxide, the Frash treatment with copper oxide and treating with sulphuric acid at atmospheric temperature. All of these processes reacted with the gasoline and improved its quality, but they did not produce a finished product which would pass government specifications.

A comparatively new method developed for the treatment of California gasoline was tried and found to work successfully on shale gasoline. This process as applied to shale oil pressure distillate consists of first removing the nitrogen compounds with two-normal sulphuric acid or with the hydrolized acid sludge from the low temperature treatment, then treating the nitrogen free crude gasoline with 66 Baume sulphuric acid at temperatures between  $0^{\circ}$  F. and  $20^{\circ}$  F. The process is known as the low temperature sulphuric acid treatment. A small refrigerating plant with a brine tank and cooling chamber was installed for chilling the distillate and acid and for keeping the temperature within the stated limits while the acid was being added to the gasoline and agitated.

(Mixing of the acid and the oil produced heat.)

It was found that by using three successive acid treatments the sulphur content could be reduced to 1/10 of 1 per cent, the present required specification. It was also found that the sludge from two treatments, one of which was with new acid, could be used in place of new acid. The total amount of acid required being not in excess of 3½ per cent by volume. It was further discovered that the spent acid sludge from the low temperature process could be hydrolized and used instead of fresh two-normal acid for the removal of the nitrogen bases. Thus by utilizing the acid sludges the total consumption of acid could be kept to 3 per cent by volume.

The steps of treating the crude pressure distillate were as follows:

1. Removal of the tar bases with dilute caustic solution,  $12\frac{1}{2}\%$ .

2. Water wash.

3. Removal of nitrogen with hydrolized sludge from the low temperature treatment.

- 4. Water wash.
- 5. Low temperature sulphuric acid treatment.
  - a Treatment with acid sludge at 0° F. to 10° F.
  - b Treat with once used acid sludge at 0° F.
  - c Treat with 3 per cent fresh 66° Be. acid at 0° to 10° F.
- 6. Water wash.
- 7. Caustic wash.
- 8. Water wash.
- 9. Refractionation with wet steam.

The following tables summarize the results obtained by the above described process:

Analysis of the crude pressure distillate:

A. P. I. gravity		50°
Sulphur	.4	to .5%
Nitrogen		20 + %
Unsaturation		35%
Color, dark.		
Corrosion, very heavy.		

Analysis of the refined gasoline:

A. P. I. gravity		57°
	to	.111%
Nitrogen		none
Doctor, sweet.		
Corrosion, slight.		
Odor, good.	·	
Unsaturation		20%
Color, water white and stable.		

The Engler distillation on this refined gasoline conformed to A. P. I. specifications. The total loss in refining was from 15 to 17 per cent, and the total conversion to refined gasoline from the crude oil was 50 per cent. This gasoline was tested on the University dynamometer in the automotive laboratory and found to

give 0.75 of a horse-power more per gallon than an equal grade of petroleum gasoline.

The cost of producing this gasoline was between  $5\frac{1}{2}$  and  $6\frac{1}{2}$  cents per gallon as estimated on comparative treatment of petroleum as found in the Hand Book of the Kansas City Testing Laboratory.

### PYRIDINE AND PYRIDINE COMPOUNDS

The acid sludge obtained by the removal of the nitrogen bases was neutralized with caustic soda to liberate the unsaturated hydro-carbon compounds which had united with the acid. This separated oil was then fractionated and the fraction which distilled over between 170° F. and 210° F. was found to contain pyridine and pyridine compounds with a small per cent of water. The quantity recovered was approximately 0.75 of a gallon per barrel of crude pressure distillate.

