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OIL FIELDS OF SECTIONS OF GREEN RIVER OIL SHALE IN COLORADO 1952-1954

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OIL SHALE IN COLORADO, 1952-54

BY K. E. STANFIELD, C. K. ROSE,
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United States Department of the Interior — April 1957

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• • • • • **Report of Investigations 5321**



**UNITED STATES DEPARTMENT OF THE INTERIOR
Fred A. Seaton, Secretary
BUREAU OF MINES
Marling J. Ankeny, Director**

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April 1957

OIL YIELDS OF SECTIONS OF GREEN RIVER OIL SHALE IN COLORADO, 1952-54

by

K. E. Stanfield,^{1/} C. K. Rose,^{2/} W. S. McAuley,^{1/}
and W. J. Tesch, Jr.^{3 4/}

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INTRODUCTION AND SUMMARY

The Bureau of Mines oil-shale program, initiated in April 1944, is concerned with the future utilization of oil shale in the United States as a source of liquid fuel. One phase of this program is the accumulation of information on the location, extent, and richness of oil-shale deposits that may be suitable for processing to oil and related products. A previous publication^{5/} presented, by means of logs, the oil yields of sections of the largest known oil-shale deposit in this country - the shales of the Green River formation occurring in adjoining portions of the states of Colorado, Utah, and Wyoming.

This present supplementary report presents the oil yields of cores from 48 holes drilled during 1952 to 1954 in the Green River formation of Colorado, which is distributed over an area of more than 1,000 square miles. The oil yields of the 48 oil-shale sections, involving the assay of 9,651 samples, representing 22,451 feet of core, are presented by means of logs. In addition, the oil yields of samples comprising the maximum sections of 15 gallon-per-ton shale are tabulated for these cores and for the 28 cores from Colorado which were logged in the previous report.

The resources of Green River oil shale in Colorado were discussed by Carl Belser^{6/} in 1951, and maps showing their geology and extent have been published by the Federal Geological Survey.^{7/} The present report is not concerned directly with

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- ^{5/} Stanfield, K. E., Rose, C. K., McAuley, W. S., and Tesch, W. J., Jr., Oil Yields of Sections of Green River Oil Shale in Colorado, Utah, and Wyoming, 1945-1952: Bureau of Mines Rept. of Investigations, 5081, 1954, 153 pp.
- ^{6/} Belser, Carl, Green River Oil-Shale Reserves of Northwestern Colorado: Bureau of Mines Rept. of Investigations 4769, 1951, 13 pp.
- ^{7/} Duncan, D. C., and Denson, N. M., Geology of Naval Oil-Shale Reserves 1 and 3, Garfield County, Colo.: Geol. Survey Oil and Gas Investigations Preliminary Map 94, 1949.
- Duncan, D. C., and Belser, Carl, Geology and Oil-Shale Resources of the Eastern Side of the Piceance Creek Basin, Rio Blanco and Garfield Counties, Colo.: Geol. Survey Oil and Gas Investigations Map OM 119, 1950.
- Waldron, F. R., Donnell, J. R., and Wright, J. C., Geology of the De Beque Oil-Shale Area, Garfield and Mesa Counties, Colo.: Geol. Survey Oil and Gas Investigations Map OM 114, 1951.
- Donnell, J. R., Cashion, W. B., and Brown, J. H., Jr., Geology of the Cathedral Bluffs Area, Rio Blanco and Garfield Counties, Colo.: Geol. Survey Oil and Gas Investigations Map 134, 1953.
- Donnell, J. R., Oil-Shale Resources of the Piceance Creek Basin north of Colorado River, Northwestern Colorado (tentative title): Geol. Survey Circular (in press).
- Cashion, W. B., and Brown, James H., Jr., Geology of the Bonanza-Dragon Oil-Shale Area, Uintah County, Utah, and Rio Blanco County, Colo.: Geol. Survey Oil and Gas Investigations Map OM 153, 1956.

estimates of oil shale resources. It is designed to present in a concise, usable form, the oil yields of selected samples from the 76 core sections drilled in Colorado before and during 1954. These data provide a basis for estimating oil-shale resources and solving problems related to the amounts and grades of oil shale obtainable from different locations by various methods of mining.

ACKNOWLEDGMENTS

The authors are indebted to the following companies and persons for their cooperation in providing the cores drilled during 1952 to 1954 that are described in this report: Continental Oil Co.; Gulf Oil Corp.; Dr. Tell Ertl, mining consultant at Grand Valley, Colo.; Union Oil Co. of California; and Weber Oil Co.

Special acknowledgment is made to the assistance of personnel of the Rifle, Colo., station in the collecting and procuring cores, particularly core D-5 from the Bureau mine and to certain personnel of the Laramie and Rifle stations. H. M. Thorne and J. T. Steele reviewed the manuscript.

ANALYTICAL METHODS AND CALCULATIONS

The rotary diamond-drill cores from the 48 holes drilled during 1952 to 1954 (also a portion of Jann hole that was deepened in 1955 by Tell Ertl) were cut into short sections for assay. Oil shales of the Mahogany zone (the rich shales in the vicinity of the Mahogany marker, a reference bed of analcite) were sampled, normally, in 1- or 2-foot sections; the shales above and below this zone were sampled in longer sections up to 5 feet in length. The samples were crushed to pass an 8-mesh-per-inch sieve and dried at room temperature to constant weight. They were then assayed by the modified Fischer-retort method^{8/} to determine their oil yields in gallons of oil per ton of sample. In some instances the oil yields of samples assaying less than 3 gallons of oil per ton were estimated by a rapid test-tube method.^{9/}

To calculate the average oil yield of core sections comprised of samples composited on a volume basis (not on a weight basis) it was necessary to take into account the specific gravities of the individual samples. For this purpose, the specific gravity-oil yield relationship for core D-5 described by John Ward Smith^{10/} was used. The curve and the formula for this relationship are shown in figure 1. Based on 62.300 pounds as the weight of 1 cubic foot of water at 60° F. in air,^{11/} table 1 gives the calculated specific gravities and several other related properties for oil shales assaying 0 to 100 gallons of oil per ton. The method of utilizing these data is illustrated by the following example, based on analytical results of the type given in tables 3 to 78.

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- ^{8/} Stanfield, K. E., and Frost, I. C., Method of Assaying Oil Shale by a Modified Fischer Retort: Bureau of Mines Rept. of Investigations 4477, 1949, 13 pp.
 - ^{9/} Stanfield, K. E., Rapid Method for Estimating Oil Yields of Lean Oil Shale: Anal. Chem., vol. 25, 1954, pp. 1552-1553.
 - ^{10/} Smith, John Ward, Specific Gravity-Oil Yield Relationships of Two Colorado Oil-Shale Cores: Ind. Eng. Chem., vol. 48, 1956, pp. 441 to 444.
 - ^{11/} Perry, John H., Chemical Engineers' Handbook: McGraw-Hill Book Co., Inc., New York, 3d ed., 1950, p. 38.

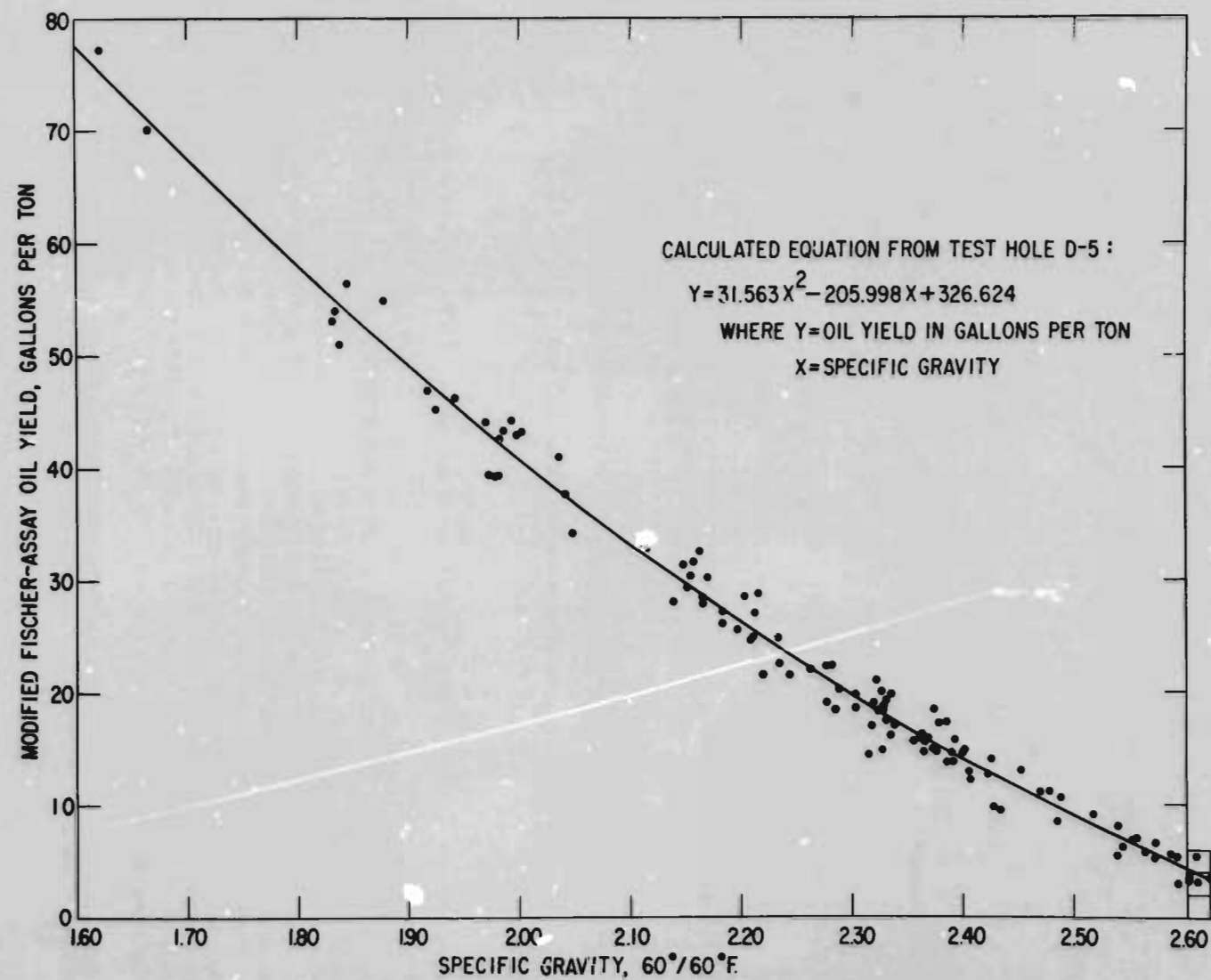


Figure 1. - Specific gravity-oil yield relationship for core D-5 through oil shales of the Mahogany zone near Rifle, Colo.

Sample assayed		Oil yield by assay		Footage
Depth, ft.	Interval, ft.	Gal./ton	Gal./ cu.ft.	(interval) times gal. oil/cu.ft.
402.0-405.3	3.3	11.6	0.884	2.917
405.3-406.9	1.6	36.9	2.358	3.773
406.9-408.0	1.1	29.5	1.977	2.175
408.0-410.0	2.0	25.2	1.738	3.476
410.0-413.0	3.0	32.7	2.146	6.438
Total	11.0			18.779

The average oil yield of the 11-foot section is 1.707 gallons per cubic foot. By reference to table 1, this average oil yield corresponds to 24.66 gallons of oil per ton, which is the average oil yield of material obtained by mining the 11-foot column of shale. This shale (see table 1) weighs 138.50 pounds per cubic foot. Therefore, the short tons of oil shale obtained by mining 1 square mile (27,878,400 square feet) of the 11-foot bed is:

$$\frac{11 \times 27,878,400 \times 138.50}{2,000} = 21,240,000 \text{ tons per square mile (rounded to 4 significant figures).}$$

The oil yield (in barrels of 42 gallons each) for this block of shale is:

$$\frac{21,240,000 \times 24.66}{42} = 12,470,000 \text{ barrels of oil per square mile (rounded to 4 significant figures).}$$

This oil yield may be expressed also in barrels of oil per acre-foot:

$$\frac{12,470,000}{11 \times 640} = 1,771.$$

The yields of oil shale and oil from selected sections of the different cores were calculated in the above manner.

EXPERIMENTAL RESULTS AND DISCUSSION

The evaluation and future utilization of oil-shale deposits as sources of liquid fuel involve many factors, such as the extent and richness of the deposit, its overburden, accessibility, rock character, method of mining, and nature of the oil, all of which may vary within the same deposit or among different deposits. This report is limited to just one factor - oil yield. The oil yields determined for cores drilled before 1955 are presented to permit their use with other pertinent factors for the evaluation of specific oil-shale deposits and the estimation of oil-shale resources as a whole.

It is neither feasible nor necessary to present the oil yields obtained for all of the approximately 16,850 shale samples involved in the study. Accordingly, without sacrificing significantly the usefulness of the data, only the more important portions are made available in the following manner: (1) Logs showing graphically the oil yields of 48 cores drilled during 1952 to 1954 are shown as figures 3 to 50 of the appendix. Logs of 28 cores drilled before 1953 have been published^{12/} and are not duplicated in this report. (2) The oil yields determined analytically for samples comprising the 15-gallon-per-ton sections of the 76 cores drilled in Colorado are tabulated in tables 3 through 78 of the Appendix.

^{12/} Work cited in footnote 5, p. 12.

TABLE 1. - Volume - weight - oil yield relationships for oil shale
from corehole D-5 in oil-shale mine, Rifle, Colo.

Oil yield by assay (gal./ton)	Specific gravity of oil shale, 60°/60° F.	Weight of oil shale per unit volume, lb./cu. ft.	Volume of oil shale per unit weight, cu. ft./ton	Oil yield per unit volume gal./cu. ft.
0	2.714	169.08	11.829	0
1	2.687	167.40	11.947	0.084
2	2.660	165.72	12.069	.166
3	2.634	164.10	12.188	.246
4	2.610	162.60	12.300	.325
5	2.586	161.11	12.414	.403
6	2.564	159.74	12.520	.479
7	2.542	158.37	12.629	.554
8	2.520	157.00	12.739	.628
9	2.499	155.69	12.846	.701
10	2.478	154.38	12.955	.772
11	2.458	153.13	13.061	.842
12	2.439	151.95	13.162	.912
13	2.420	150.77	13.265	.980
14	2.400	149.52	13.376	1.047
15	2.383	148.46	13.472	1.113
16	2.364	147.28	13.580	1.178
17	2.347	146.22	13.678	1.243
18	2.330	145.16	13.778	1.306
19	2.313	144.10	13.879	1.369
20	2.297	143.10	13.976	1.431
21	2.280	142.04	14.081	1.491
22	2.264	141.05	14.179	1.552
23	2.248	140.05	14.281	1.611
24	2.233	139.12	14.376	1.669
25	2.218	138.18	14.474	1.727
26	2.203	137.25	14.572	1.784
27	2.188	136.31	14.672	1.840
28	2.173	135.38	14.773	1.895
29	2.159	134.51	14.869	1.950
30	2.145	133.63	14.967	2.004
31	2.130	132.70	15.072	2.057
32	2.117	131.89	15.164	2.110
33	2.103	131.02	15.265	2.162
34	2.089	130.14	15.368	2.212
35	2.076	129.33	15.464	2.263
36	2.063	128.52	15.562	2.313
37	2.050	127.72	15.659	2.363
38	2.037	126.91	15.759	2.411
39	2.024	126.10	15.860	2.459
40	2.012	125.35	15.955	2.507
41	1.999	124.54	16.059	2.553
42	1.986	123.73	16.164	2.598
43	1.974	122.98	16.263	2.644
44	1.961	122.17	16.371	2.688

TABLE 1. - Volume - weight - oil yield relationships for oil shale
from corehole D-5 in oil-shale mine, Rifle, Colo. (Con.)

Oil yield by assay (gal./ton)	Specific gravity of oil shale, 60°/60° F.	Weight of oil shale per unit volume, lb./cu. ft.	Volume of oil shale per unit weight, cu. ft./ton	Oil yield per unit volume gal./cu. ft.
45	1.949	121.42	16.472	2.732
46	1.937	120.68	16.573	2.776
47	1.925	119.93	16.676	2.818
48	1.914	119.24	16.773	2.862
49	1.902	118.49	16.879	2.903
50	1.890	117.75	16.985	2.944
51	1.879	117.06	17.085	2.985
52	1.867	116.31	17.195	3.024
53	1.856	115.63	17.297	3.064
54	1.845	114.94	17.400	3.103
55	1.834	114.26	17.504	3.142
56	1.823	113.57	17.610	3.180
57	1.812	112.89	17.716	3.217
58	1.801	112.20	17.825	3.254
59	1.790	111.52	17.934	3.290
60	1.779	110.83	18.046	3.325
61	1.769	110.21	18.147	3.361
62	1.758	109.52	18.262	3.395
63	1.748	108.90	18.365	3.430
64	1.737	108.22	18.481	3.463
65	1.727	107.59	18.589	3.497
66	1.717	106.97	18.697	3.530
67	1.707	106.35	18.806	3.563
68	1.696	105.66	18.929	3.592
69	1.686	105.04	19.040	3.624
70	1.676	104.41	19.155	3.654
71	1.666	103.79	19.270	3.684
72	1.656	103.17	19.385	3.714
73	1.647	102.61	19.491	3.745
74	1.637	101.99	19.610	3.774
75	1.627	101.36	19.732	3.801
76	1.618	100.80	19.841	3.830
77	1.608	100.18	19.964	3.857
78	1.598	99.56	20.088	3.883
79	1.589	98.99	20.204	3.910
80	1.579	98.37	20.331	3.935
81	1.570	97.81	20.448	3.961
82	1.561	97.25	20.566	3.987
83	1.551	96.63	20.698	4.010
84	1.542	96.07	20.818	4.035
85	1.533	95.51	20.940	4.059
86	1.524	94.95	21.064	4.083
87	1.515	94.38	21.191	4.106
88	1.506	93.82	21.317	4.128
89	1.497	93.26	21.445	4.150
90	1.488	92.70	21.575	4.171
95	1.444	89.96	22.232	4.273
100	1.401	87.28	22.915	4.364

The location of the coreholes is shown on the map of northwestern Colorado in figure 2. Table 2 summarizes additional information on the location of the coreholes, the depth of the Mahogany marker, and the footage of samples analyzed and presents the calculated footage and yield of oil and oil shale from selected grades of shale. In this table the coreholes are tabulated alphabetically according to the names of the companies or individuals providing the samples and the names of the coreholes. References to logs and supplementary tables are provided for more detailed information. Similarly, oil-yield logs for the cores drilled in 1952 to 1954 and assays of the 15-gallon-per-ton sections for all of the cores are listed alphabetically in the appendix.

As mentioned above, logs for most of the cores drilled before 1953 were presented in a previous publication. Several errors appeared in the previous logs and have been corrected in the present report. These corrections involved minor changes in the name, location, elevation, and length of some of the coreholes. Also, the yields of oil and oil shale from selected sections were calculated by a different specific gravity - oil yield relationship. The calculations in this report are based entirely on the specific gravity - oil yield relationship established recently for core D-5. This relationship is based on a continuous section of 112.1 feet through the Mahogany zone near Rifle, Colo., and is considered to be the most valid relationship available for stratigraphically comparable shales within the Piceance Creek Basin. It is recognized, however, that the relationship may vary for different portions of the basin and for oil shales situated above or below the Mahogany zone. Investigation of this possibility is in progress and may result in a general curve that is applicable to the entire basin or several curves that are applicable to more restricted portions of the basin.

Until these investigations are completed, the precise degree of uniformity of the oil yield - specific gravity relationship among the various holes and from one sample to another cannot be determined. This paper is concerned with the approximations of oil yields from oil shales, to be used in making engineering estimates of oil-shale reserves. For this purpose the present work gives a useful approximation of the oil yields that can be obtained from sections of the Colorado oil shale. These oil yields can be used to estimate the shale-oil recoveries from the Green River formation in particular areas of Colorado.

The yields of oil and oil shale from three selected grades of oil shale are presented to compare the different coreholes and to facilitate the calculation of oil-shale reserves. These arbitrary sections, averaging 30, 25 and 15 gallons of oil per ton, are the maximum continuous footages of the respective grades. The latter grade (the samples comprising the 15-gallon-per-ton sections are tabulated in tables 3 to 78 of the appendix) is regarded as the leanest oil-shale section that may be of economic importance as a future source of oil. The 25 gallon-per-ton section illustrates an average grade of oil shale for processing, and the 30-gallon-per-ton shale, for purpose of comparison, represents a higher grade shale.

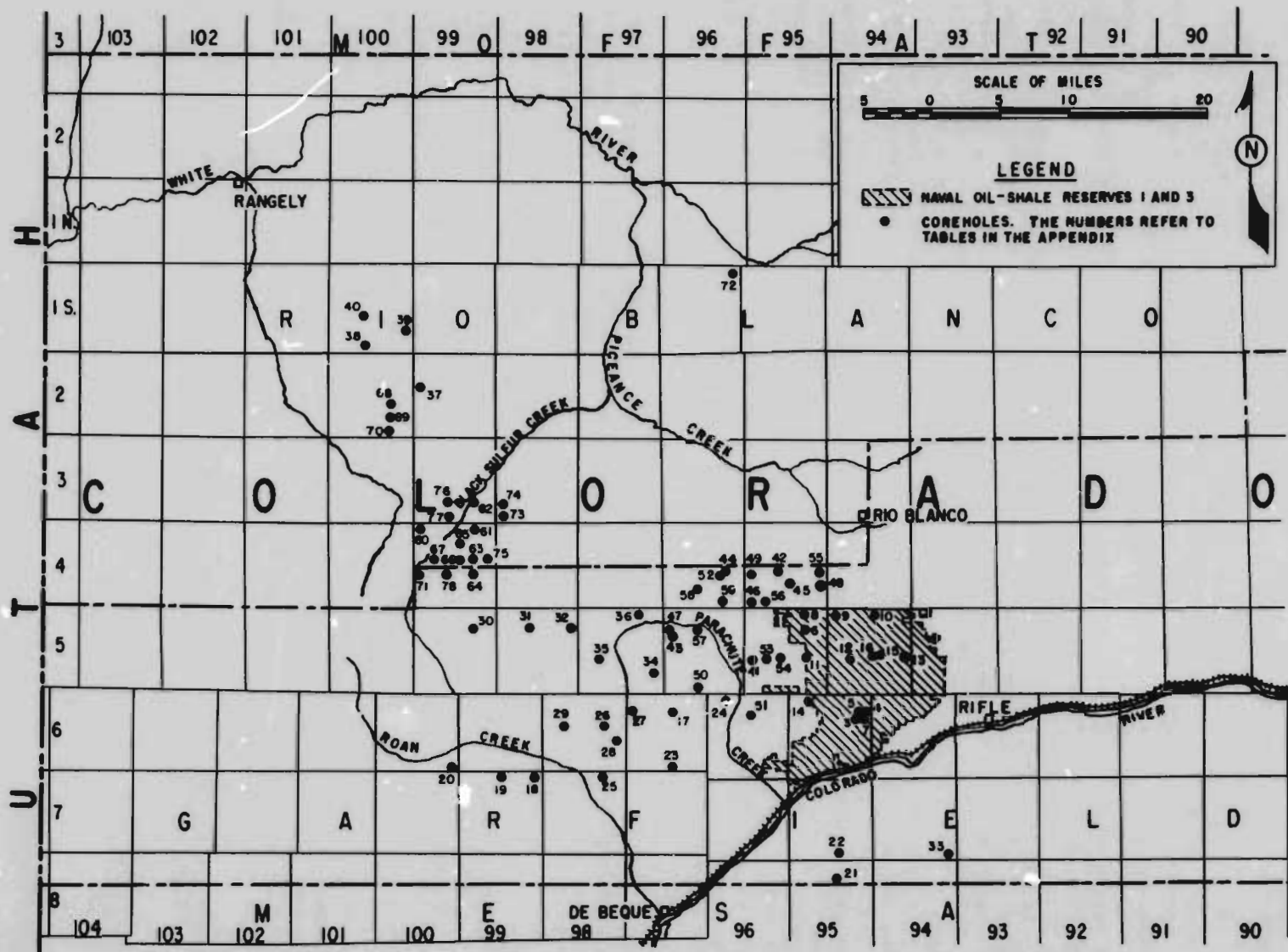


Figure 2. - Map of northwestern Colorado, showing location of oil-shale coreholes.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955

Company	Bureau of Mines							
	A	B	C	D	D-5	E	F	G
Corehole								
Figure No.	1/3	1/4	1/5	1/6	3/7	1/8	1/9	1/10
Number on map and table No.								
Location								
County	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield
Section, township, range	12-6S.-95W.	12-6S.-95W.	12-6S.-95W.	11-5S.-95W.	12-6S.-95W.	2-5S.-95W.	6-5S.-94W.	3-5S.-94W.
Elevation feet								
Surface	8,792.1	8,700.1	8,585.7	7,804.6	8,275.5	7,851.2	8,129.9	8,795
Mahogany marker	8,248.1	8,274.5	8,187.7	7,392.6	8,227.8	7,327.2	7,502.9	8,349
Bottom of hole	7,991.1	8,040.1	6,901.7	7,104.4	8,163.4	6,296.2	7,363.9	7,861
Depth of marker feet	544.0	425.6	398	412.0	47.7	524	627	446
Sampled section								
Depth do.	5.0 to 801.0	5.0 to 660.0	7 to 1684	0.0 to 700.2	0.0 to 112.1	19 to 1555	10 to 766	9 to 934
Distance from marker 3/ ... do.	539.0 to -257.0	420.6 to -234.4	391 to -1286	412.0 to -288.2	47.7 to -64.4	505 to -1031	617 to -139	437 to -488
Length do.	796.0	655.0	1677	700.2	112.1	1536	756	925
30-gallon-per-ton section								
Depth do.	532.0 to 592.0	416.0 to 476.0	400 to 453	388 to 480.0	48.7 to 100.7	499 to 595	631 to 700	
Distance from marker 3/ ... do.	12.0 to -48.0	9.6 to -50.4	-2 to -55	24.0 to -68.0	-1.0 to -53.0	25 to -71	-4 to -73	
Length do.	60.0	60.0	53	92.0	52.0	96	69	0
Shale per square mile								
..... thousand tons	112,000	112,000	98,660	171,400	96,790	178,200	128,600	0
Oil per square mile								
..... thousand barrels	79,040	79,040	70,680	122,300	69,370	129,400	91,770	0
Oil per acre-foot barrels	2,058	2,058	2,084	2,077	2,084	2,106	2,078	0
25-gallon-per-ton section								
Depth feet	522.0 to 606.0	407.0 to 490.0	375 to 462	368.0 to 513.0	25.7 to 109.7	470 to 625	600 to 710	460 to 470
Distance from marker 3/ ... do.	22.0 to -62.0	18.6 to -64.4	25 to -62	44.0 to -101.0	22.0 to -62.0	54 to -101	27 to -83	-14 to -24
Length do.	84.0	83.0	87	145.0	84.0	155	110	10
Shale per square mile								
..... thousand tons	161,900	159,700	167,500	279,700	161,600	298,400	211,400	19,270
Oil per square mile								
..... thousand barrels	96,060	95,740	99,820	165,100	96,810	178,300	127,400	11,450
Oil per acre-foot barrels	1,787	1,802	1,793	1,779	1,801	1,777	1,810	1,789
15-gallon-per-ton section								
Depth feet	160.0 to 597.0	72.0 to 490.0	7 to 470	0.0 to 700.2	0.0 to 112.1	150 to 970	240 to 750	425 to 485
Distance from marker 3/ ... do.	384.0 to -53.0	353.6 to -64.4	391 to -72	412.0 to -288.2	47.7 to -64.4	374 to -446	387 to -123	21 to -39
Length do.	437.0	418.0	463	700.2	112.1	820	510	60
Shale per square mile								
..... thousand tons	904,300	865,000	958,500	1,446,000	221,300	1,698,000	1,058,209	123,600
Oil per square mile								
..... thousand barrels	323,000	309,100	341,200	524,300	113,000	603,600	375,664	45,880
Oil per acre-foot barrels	1,155	1,155	1,151	1,170	1,575	1,150	1,151	1,195

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

10

Company	Bureau of Mines						Cities Service Oil Co.	Continental Oil Co.
	H	I	J	K	L	M	Cascade No. 1	No. 1
Corehole								
Figure No.	1/	1/	1/	1/	1/	1/	1/	4
Number on map and table No.	11	12	13	14	15	16	17	18
Location								
County	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield
Section, township, range	23-5S.-95W.	20-5S.-94W.	24-5S.-94W.	5-6S.-95W.	22-5S.-94W.	22-5S.-94W.	10-6S.-97W.	1-7S.-99W.
Elevation feet								
Surface	8,015.4	8,465	9,069.7	8,211	8,665	8,757.3	8,141.6	2/8,045.0
Mahogany marker	7,411.9	7,890	8,490.7	7,518	8,103	8,227.3	7,662.6	7,553.5
Bottom of hole	7,172.4	7,586	8,434.7	7,414	7,940	8,109.3	7,461.6	6,862.0
Depth of marker feet	603.5	575	579.0	693	562	530.0	479.0	491.5
Sampled section								
Depth do.	24.0 to 843.0	20 to 879	7 to 635	35 to 797	6 to 725	0 to 648	0.0 to 680.0	60.0 to 1183.0
Distance from marker 3/ do.	579.5 to -239.5	555 to -304	572 to -56	658 to -104	556 to -163	530 to -118	479.0 to -201.0	431.5 to -691.5
Length do.	819.0	859	628	762	719	648	680.0	1123.0
30-gallon-per-ton section								
Depth do.	582.0 to 671.0	553 to 635	591 to 603	673 to 752	566 to 614	533 to 575	482.0 to 546.1	495.3 to 522.4
Distance from marker 3/ do.	21.5 to -67.5	22 to -60	-12 to -24	20 to -59	-4 to -52	-3 to -45	-3.0 to -67.1	-3.8 to -30.9
Length do.	89.0	82	12	79	48	42	64.1	27.1
Shale per square mile								
..... thousand tons	165,800	152,700	22,340	147,200	89,130	78,200	119,400	50,540
Oil per square mile								
..... thousand barrels	118,300	109,100	15,990	104,900	64,620	55,990	85,120	35,880
Oil per acre-foot barrels	2,077	2,079	2,082	2,075	2,104	2,083	2,075	2,069
25-gallon-per-ton section								
Depth feet	540.0 to 671.0	520 to 640	587 to 606	670 to 790	530 to 614	505 to 579	449.7 to 555.0	475.0 to 522.4
Distance from marker 3/ do.	63.5 to -67.5	55 to -65	-8 to -27	23 to -97	32 to -52	25 to -49	29.3 to -76.0	16.5 to -30.9
Length do.	131.0	120	19	120	84	74	105.3	47.4
Shale per square mile								
..... thousand tons	252,100	231,000	36,630	231,200	162,500	141,800	203,100	91,610
Oil per square mile								
..... thousand barrels	150,700	138,000	21,700	137,400	94,170	87,040	120,000	53,440
Oil per acre-foot barrels	1,797	1,797	1,785	1,789	1,752	1,838	1,781	1,762
15-gallon-per-ton section								
Depth feet	120.0 to 843.0	135 to 580	554 to 625	220 to 797	200 to 630	190 to 579	65.0 to 654.0	306.5 to 537.9
Distance from marker 3/ do.	483.5 to -239.5	440 to -105	25 to -46	473 to -104	362 to -68	340 to -49	414.0 to -175.0	185.0 to -46.4
Length do.	723.0	545	71	577	430	389	589.0	231.4
Shale per square mile								
..... thousand tons	1,496,000	1,128,000	146,800	1,194,000	890,200	804,900	1,219,000	478,200
Oil per square mile								
..... thousand barrels	533,900	401,500	52,740	426,400	316,700	287,700	433,300	172,800
Oil per acre-foot barrels	1,154	1,151	1,161	1,155	1,151	1,156	1,149	1,167

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

Company	Continental Oil Co.		Gulf Oil Corp.		Pacific Oil Co.			
	No. 2	Whatley No. 3	1A	No. 2	Allen No. 1	Dragert No. 1	Hardison No. 1	Magor No. 1
Corehole	No. 2	No. 3	1A	No. 2	No. 1	No. 1	No. 1	No. 1
Figure No.	5	6	7	8	9	10	11	1/
Number on map and table No.	19	20	21	22	23	24	25	26
Location								
County	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield
Section, township, range	3 & 4-7S.-99W.	36-6S.-100W.	10-8S.-95W.	34-7S.-95W.	34-6S.-97W.	5-6S.-96W.	2-7S.-98W.	14-6S.-98W.
Elevation feet								
Surface	8,080.0	8,120.0	8,759	8,741	8,238.5	8,106.9	7,942.0	7,948.0
Mahogany marker	7,656.0	7,630.5	8,322	8,255	7,618.9	7,431.9	7,425.0	7,244.0
Bottom of hole	7,499.0	7,519.0	8,258	8,119	7,468.5	7,274.9	7,273.0	7,148.0
Depth of marker feet	424.0	489.5	437	486	619.6	675.0	517.0	704.0
Sampled section								
Depth do.	23.0 to 581.0	32.0 to 601.0	0 to 501	110 to 622	8.2 to 770.0	20.0 to 832.0	10.0 to 669.0	140.0 to 800.0
Distance from marker ^{2/} do.	401.0 to -157.0	457.5 to -111.5	437 to -64	376 to -136	611.4 to -150.4	655.0 to -157.0	507.0 to -152.0	564.0 to -96.0
Length do.	558.0	569.0	501	512	761.8	812.0	659.0	660.0
30-gallon-per-ton section								
Depth feet	427.8 to 457.0	493.5 to 509.5	441 to 464	490 to 520	607.0 to 663.0	651.0 to 739.0	512.0 to 554.0	698.0 to 752.0
Distance from marker ^{2/} do.	-3.8 to -33.0	-4.0 to -20.0	-4 to -27	-4 to -34	12.6 to -43.4	23.0 to -63.0	5.0 to -37.0	6.0 to -48.0
Length do.	29.2	16.0	23	30	56.0	88.0	42.0	54.0
Shale per square mile								
..... thousand tons	54,340	29,850	42,890	55,870	104,200	164,000	78,150	100,500
Oil per square mile								
.....thousand barrels	39,000	21,140	30,460	39,930	74,850	116,900	56,100	72,240
Oil per acre-foot								
..... barrels	2,087	2,064	2,069	2,080	2,088	2,076	2,087	2,090
25-gallon-per-ton section								
Depth feet	389.0 to 460.8	493.5 to 520.0	422 to 466	470 to 522	600.0 to 688.0	622.0 to 765.0	500.0 to 568.0	682.0 to 775.0
Distance from marker ^{2/} do.	35.0 to -36.8	-4.0 to -30.5	15 to -29	16 to -36	19.6 to -68.4	53.0 to -90.0	17.0 to -51.0	22.0 to -71.0
Length do.	71.8	26.5	44	52	88.0	143.0	68.0	93.0
Shale per square mile								
..... thousand tons	138,300	50,790	84,770	100,000	169,500	275,400	130,800	179,500
Oil per square mile								
.....thousand barrels	82,450	31,100	50,400	60,000	101,100	163,900	78,600	105,500
Oil per acre-foot								
..... barrels	1,794	1,834	1,790	1,803	1,795	1,791	1,806	1,773
15-gallon-per-ton section								
Depth feet	159.6 to 460.8	342.4 to 520.0	235 to 469	246 to 532	182.0 to 688.0	220.0 to 832.0	268.0 to 580.0	290.0 to 784.0
Distance from marker ^{2/} do.	264.4 to -36.8	147.1 to -30.5	202 to -32	240 to -46	437.6 to -68.4	450.0 to -157.0	249.0 to -63.0	414.0 to -80.0
Length do.	301.2	177.6	234	286	506.0	612.0	312.0	494.0
Shale per square mile								
..... thousand tons	623,800	367,600	484,400	591,500	1,047,000	1,267,000	645,300	1,023,000
Oil per square mile								
.....thousand barrels	221,300	131,200	172,400	212,400	374,700	452,200	231,400	364,100
Oil per acre-foot								
..... barrels	1,148	1,154	1,151	1,160	1,157	1,155	1,159	1,152

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

5

Company	Pacific Oil Co.						Pure Oil Co.	Sun Oil Co.
	Magor No. 2	Magor No. 3	Scott Fee No. 1	Syndicate No. 1	Syndicate No. 2	Wheeler No. 1	Battlement Mesa	Bear Run No. 1
Figure No.	1/	1/	1/	1/	1/	12	1/	1/
Number on map and table No.	27	28	29	30	31	32	33	34
Location								
County	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield
Section, township, range	7-6S.-97W.	24-6S.-98W.	17-6S.-98W.	11-5S.-99W.	9-5S.-98W.	12-5S.-98W.	36-7S.-94W.	25-5S.-97W.
Elevation feet								
Surface	8,165	7,927	7,677	7,881	7,786	7,833.1	9,448	8,118
Mahogany marker	7,583.5	7,269.0	7,248.0	7,538.0	7,312.0	7,482.7	8,872	7,478.0
Bottom of hole	7,345.0	7,193.0	7,171.5	7,461.0	7,256.0	7,335.6	8,623	7,287.0
Depth of marker feet	581.5	658.0	429.0	343.0	474.0	350.4	576	640.0
Sampled section								
Depth do.	50.0 to 820.0	100.0 to 734.0	45.0 to 505.5	20.0 to 420.0	36.0 to 530.0	21.0 to 497.5	33 to 825	189.0 to 831.0
Distance from marker $\frac{3}{2}$ / do.	531.5 to -238.5	558.0 to -76.0	384.0 to -76.5	323.0 to -77.0	438.0 to -56.0	329.4 to -147.1	543 to -249	451.0 to -191.0
Length do.	770.0	634.0	460.5	400.0	494.0	476.5	792	642.0
30-gallon-per-ton section								
Depth feet	569.0 to 621.0	640.0 to 707.0	433.0 to 479.0	347.0 to 388.0	474.0 to 520.0	331.0 to 402.0	583 to 590	644.5 to 704.5
Distance from marker $\frac{3}{2}$ / do.	12.5 to -39.5	18.0 to -49.0	-4.0 to -50.0	-4.0 to -45.0	0.0 to -46.0	19.4 to -51.6	-7 to -14	-4.5 to -64.5
Length do.	52.0	67.0	46.0	41.0	44.0	71.0	7	60.0
Shale per square mile								
..... thousand tons	96,910	124,900	85,450	76,400	86,020	132,200	13,030	112,000
Oil per square mile								
..... thousand barrels	69,040	88,770	61,850	54,460	60,210	94,550	9,338	79,090
Oil per acre-foot								
..... barrels	2,075	2,070	2,101	2,075	2,045	2,081	2,084	2,060
25-gallon-per-ton section								
Depth feet	531.5 to 627.5	640.0 to 734.0	394.0 to 491.5	324.5 to 400.0	446.0 to 530.0	315.0 to 426.0	583 to 594	620.0 to 718.5
Distance from marker $\frac{3}{2}$ / do.	50.0 to -46.0	18.0 to -76.0	35.0 to -62.5	13.5 to -57.0	28.0 to -56.0	35.4 to -75.6	-7 to -18	24.5 to -74.0
Length do.	96.0	94.0	97.5	75.5	84.0	111.0	11	98.5
Shale per square mile								
..... thousand tons	184,700	180,700	187,900	145,300	161,800	213,700	21,140	189,600
Oil per square mile								
..... thousand barrels	110,700	108,900	111,600	86,940	96,120	127,400	12,740	113,100
Oil per acre-foot								
..... barrels	1,802	1,810	1,788	1,803	1,788	1,793	1,810	1,794
15-gallon-per-ton section								
Depth feet	242.0 to 754.0	260.0 to 734.0	45.0 to 505.5	20.0 to 420.0	90.0 to 530.0	29.0 to 497.5	556 to 605	332.0 to 831.0
Distance from marker $\frac{3}{2}$ / do.	339.5 to -172.5	398.0 to -76.0	384.0 to -76.5	323.0 to -77.0	384.0 to -56.0	321.4 to -147.1	20 to -29	308.0 to -191.0
Length do.	512.0	474.0	460.5	400.0	440.0	468.5	49	499.0
Shale per square mile								
..... thousand tons	1,059,300	980,700	948,200	827,900	909,700	951,400	101,300	1,009,000
Oil per square mile								
..... thousand barrels	380,200	351,000	352,900	295,160	327,500	396,400	36,350	436,300
Oil per acre-foot								
..... barrels	1,160	1,157	1,197	1,153	1,165	1,322	1,159	1,366

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

Company	Sun Oil Co.		Tell Ertl				Union Oil Co. of California	
	Magor Camp No. 2	Summer's Cabin No. 3	Jann	Matt	Phil	Ray	Bella Castle No. 1	Betty
Figure No.	1/ 35	1/ 36	13	14	15	16	1/ 41	17
Number on map and table No..			37	38	39	40	41	42
Location								
County	Garfield	Garfield	Rio Blanco	Rio Blanco	Rio Blanco	Rio Blanco	Garfield	Garfield
Section, township, range..	20-5S.-97W.	2-5S.-97W.	18-2S.-99W.	33-1S.-100W.	25-1S.-100W.	21-1S.-100W.	19-5S.-95W.	21-4S.-95W.
Elevation feet								
Surface	7,987	7,837	7,238	8,293	7,428	8,157	7,986	7,468
Mahogany marker	7,550.0	7,299.0	6,890.0	8,220	7,283.0	-	7,002.7	6,824
Bottom of hole	7,442.0	6,508.0	6,873.0	8,144	7,222.0	8,007	6,926.7	6,691
Depth of marker feet	437.0	538.0	348.0	73	145.0	-	983.3	644
Sampled section								
Depth do.	0.0 to 545.0	186.0 to 1329.0	8.0 to 365.0	9 to 149	9.5 to 206.0	10 to 150	20.3 to 1059.3	220 to 777
Distance from marker ^{3/} do.	437.0 to -108.0	352.0 to -791.0	340.0 to -17.0	64 to -76	135.5 to -61.0	-	963.0 to -76.0	424 to -133
Length do.	545.0	1143.0	357.0	140	196.5	140	1039.0	557
30-gallon-per-ton section								
Depth do.	429.0 to 489.0	522.8 to 599.5	342.0 to 365.0	89 to 105	150.0 to 199.0	127 to 131	984.3 to 1059.3	612 to 726
Distance from marker ^{3/} do.	8.0 to -52.0	15.2 to -61.5	6.0 to -17.0	-16 to -32	-5.0 to -54.0	-	-1.0 to -76.0	32 to -82
Length do.	60.0	76.7	23.0	16	49.0	4	75.0	114
Shale per square mile								
..... thousand tons	111,900	142,900	42,810	29,990	91,290	7,427	139,600	212,400
Oil per square mile								
..... thousand barrels	79,320	101,900	30,700	20,740	65,140	5,385	99,910	151,400
Oil per acre-foot..barrels	2,066	2,076	2,086	2,025	2,077	2,103	2,081	2,075
25-gallon-per-ton section								
Depth feet	401.0 to 517.0	501.0 to 632.0	328.0 to 365.0	85 to 121	117.5 to 203.0	125 to 141	929.3 to 1059.3	568 to 769
Distance from marker ^{3/} do.	36.0 to -80.0	37.0 to -94.0	20.0 to -17.0	-12 to -48	27.5 to -58.0	-	54.0 to -76.0	76 to -125
Length do.	116.0	131.0	37.0	36	85.5	16	130.0	201
Shale per square mile								
..... thousand tons	224,100	252,500	71,160	69,340	164,700	30,770	250,700	387,000
Oil per square mile								
..... thousand barrels	131,200	149,600	42,750	41,260	98,000	18,500	148,200	230,700
Oil per acre-foot..barrels	1,767	1,784	1,805	1,791	1,791	1,807	1,781	1,793
15-gallon-per-ton section								
Depth feet	61.7 to 545.0	186.0 to 1297.6	203.0 to 365.0	9 to 149	9.5 to 206.0	10 to 150	570.3 to 1059.3	220 to 777
Distance from marker ^{3/} do.	375.3 to -108.0	352.0 to -759.6	145.0 to -17.0	64 to -76	135.5 to -61.0	-	413.0 to -76.0	424 to -133
Length do.	483.3	1111.6	162.0	140	196.5	140	489.0	557
Shale per square mile								
..... thousand tons	994,200	2,297,000	335,000	287,200	403,100	287,800	1,011,000	1,126,000
Oil per square mile								
..... thousand barrels	372,800	829,100	120,300	110,000	154,700	108,600	362,800	482,300
Oil per acre-foot..barrels	1,205	1,165	1,160	1,228	1,230	1,212	1,159	1,353

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

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Company	Union Oil Co. of California							
	Blackbird	Buff	Edna	Florence	French	Grace	Hazel	Jann
Corehole								
Figure No.	18	19	20	21	22	23	24	25
Number on map and table No.	43	44	45	46	47	48	49	50
Location								
County	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield
Section, township, range	7-5S.-96W.	23-4S.-96W.	27-4S.-95W.	31-4S.-95W.	7-5S.-96W.	25-4S.-95W.	19-4S.-95W.	33-5S.-96W.
Elevation feet								
Surface	2/7,755	2/7,581	8,001	7,609	2/7,670	7,672	7,466	2/7,750
Mahogany marker	7,337	6,842.0	7,159	7,167.0	7,322	6,992.0	6,829	7,321.0
Bottom of hole	7,270	6,769.3	7,066	7,067.0	7,250	6,913.0	6,726	7,249.8
Depth of marker feet	418	739.0	842	442.0	348	680.0	637	429.0
Sampled section								
Depth do.	26 to 485	322.0 to 811.7	424 to 935	59.0 to 542.0	25 to 420	249.2 to 759.0	210 to 740	14.0 to 500.2
Distance from marker ^{2/} do.	392 to -67	417.0 to -72.7	418 to -93	383.0 to -100.0	323 to -72	430.8 to -79.0	427 to -103	415.0 to -71.2
Length do.	459	489.7	511	483.0	395	509.8	530	486.2
30-gallon-per-ton section		4/					4/	
Depth do.	403 to 475	704.0 to 811.7	818 to 918	418.5 to 519.5	328 to 409	654.2 to 751.2	608 to 740	406.2 to 490.2
Distance from marker ^{2/} do.	15 to -57	35.0 to -72.7	34 to -76	23.5 to -77.5	20 to -61	25.8 to -71.2	29 to -103	22.8 to -61.2
Length do.	72	107.7	100	101	81	97.0	132	84.0
Shale per square mile								
..... thousand tons	134,200	200,100	186,300	188,000	150,800	180,600	245,800	156,500
Oil per square mile								
..... thousand barrels	95,700	144,800	133,000	134,800	108,000	129,300	175,700	111,800
Oil per acre-foot barrels	2,077	2,101	2,078	2,085	2,083	2,083	2,080	2,080
25-gallon-per-ton section		4/	4/	4/	4/		4/	4/
Depth feet	370 to 481	634.0 to 811.7	782 to 935	371.5 to 542.0	295 to 420	621.2 to 754.2	532 to 740	372.2 to 500.2
Distance from marker ^{2/} do.	48 to -63	105.0 to -72.7	60 to -93	70.5 to -100.0	53 to -72	58.8 to -74.2	105 to -103	56.8 to -71.2
Length do.	111	177.7	153	170.5	125	133.0	208	128
Shale per square mile								
..... thousand tons	213,700	342,000	294,300	328,600	240,700	256,100	400,400	246,400
Oil per square mile								
..... thousand barrels	127,400	204,500	175,700	195,000	143,400	152,700	239,000	147,100
Oil per acre-foot barrels	1,793	1,798	1,794	1,787	1,792	1,794	1,795	1,796
15-gallon-per-ton section	4/	4/	4/	4/	4/	4/	4/	4/
Depth feet	26 to 485	322.0 to 811.7	424 to 935	59.0 to 542.0	25 to 420	267.2 to 759.0	210 to 740	14.0 to 500.2
Distance from marker ^{2/} do.	392 to -67	417.0 to -72.7	418 to -93	383.0 to -100.0	323 to -72	412.8 to -79.0	427 to -103	415.0 to -71.2
Length do.	459	489.7	511	483.0	395	491.8	530	486.2
Shale per square mile								
..... thousand tons	938,100	996,700	1,047,000	980,700	798,800	1,008,000	1,071,000	1,005,000
Oil per square mile								
..... thousand barrels	371,200	408,200	407,300	409,300	343,900	389,300	464,900	380,700
Oil per acre-foot barrels	1,264	1,302	1,245	1,324	1,360	1,237	1,371	1,223

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

Company	Union Oil Co. of California							
	J.B.M. No. 6	Jill	Lignum Vita No. 9	Lignum Vita No. 13	Louise	Madge	Parachute	Rett
Corehole								
Figure No.	1/ 51	26	1/ 53	1/ 54	27	28	29	30
Number on map and table No.	51	52	53	54	55	56	57	58
Location								
County	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield	Garfield
Section, township, range.	10-6S.-96W.	23-48.-96W.	20-5S.-95W.	21-5S.-95W.	24-4S.-95W.	32-4S.-95W.	9-5S.-96W.	28-4S.-96W.
Elevation feet								
Surface	7,810.1	2/7,398	7,670	7,653.1	7,379	7,891	2/7,545	2/7,550
Mahogany marker	7,516.0	6,752.0	7,087.5	7,204.8	6,746.0	7,207.0	7,265	6,983.0
Bottom of hole	7,424.0	6,729.6	6,984.5	7,105.8	6,665.5	7,083.8	7,176	6,893.8
Depth of marker feet	294.1	646.0	582.5	448.3	633.0	684.0	280	567.0
Sampled section								
Depth do.	10.1 to 386.1	200.3 to 668.4	10.5 to 685.5	0.3 to 547.3	206.5 to 713.5	260.2 to 807.2	23 to 369	141.2 to 656.2
Distance from marker 2/do.	284.0 to -92.0	445.7 to -22.4	572.0 to -103.0	448.0 to -99.0	426.5 to -80.5	423.8 to -123.2	257 to -89	425.8 to -89.2
Length do.	376.0	468.1	675.0	547.0	507.0	547.0	346	515.0
30-gallon-per-ton section		4/			4/			
Depth do.	272.1 to 354.1	630.6 to 668.4	586.5 to 647.5	452.3 to 533.3	637.5 to 713.5	660.2 to 749.2	259 to 345	550.0 to 644.0
Distance from marker 2/do.	22.0 to -60.0	15.4 to -22.4	-4.0 to -65.0	-4.0 to -85.0	-4.5 to -80.5	23.8 to -65.2	21 to -65	17.0 to -77.0
Length do.	82.0	37.8	61.0	81.0	76.0	89.0	86	94.0
Shale per square mile								
..... thousand tons	152,700	70,290	113,700	150,900	141,400	165,800	160,200	174,700
Oil per square mile								
..... thousand barrels	109,100	50,630	81,080	107,900	101,600	118,200	114,400	126,000
Oil per acre-foot								
..... barrels	2,079	2,093	2,077	2,081	2,089	2,075	2,078	2,094
25-gallon-per-ton section		4/		4/	4/		4/	4/
Depth feet	240.1 to 370.1	613.6 to 668.4	558.5 to 671.5	400.3 to 547.3	598.5 to 713.5	638.2 to 786.2	229 to 369	501.0 to 656.2
Distance from marker 2/do.	54.0 to -76.0	32.4 to -22.4	24.0 to -89.0	48.0 to -99.0	34.5 to -80.5	45.8 to -102.2	51 to -89	66.0 to -89.2
Length do.	130.0	54.8	113.0	147.0	115.0	148.0	140	155.2
Shale per square mile								
..... thousand tons	250,700	105,300	217,700	282,900	221,300	285,000	269,600	298,800
Oil per square mile								
..... thousand barrels	148,300	63,710	129,400	169,200	132,400	169,800	160,700	178,400
Oil per acre-foot								
..... barrels	1,782	1,817	1,789	1,798	1,799	1,793	1,794	1,796
15-gallon-per-ton section	4/	4/	4/	4/	4/	4/	4/	4/
Depth feet	10.1 to 386.1	228.6 to 668.4	139.5 to 685.5	10.3 to 547.3	206.5 to 713.5	260.2 to 807.2	23 to 369	141.2 to 656.2
Distance from marker 2/do.	284.0 to -92.0	417.4 to -22.4	443.0 to -103.0	438.0 to -99.0	426.5 to -80.5	423.8 to -123.2	257 to -89	425.2 to -89.2
Length do.	376.0	439.8	546.0	537.0	507.0	547.0	346	515.0
Shale per square mile								
..... thousand tons	761,000	910,100	1,129,000	1,110,000	1,047,000	1,124,000	692,000	1,053,000
Oil per square mile								
..... thousand barrels	325,400	325,000	406,400	399,900	381,700	424,400	323,400	416,400
Oil per acre-foot								
..... barrels	1,352	1,155	1,163	1,164	1,176	1,212	1,460	1,263

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

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Company	Union Oil Co. of California	Weber Oil Co.						
	Twig	Black Eagle No. 1	Black Sulfur Falls No. 1	Black Sulfur Falls No. 2	Coscora No. 1	Coscora No. 2	Figure 4, No. 1	Figure 4, No. 2
Corehole	31	32	33	34	35	36	37	38
Figure No.	59	60	61	62	63	64	65	66
Number on map and table No.								
Location								
County	Garfield	Rio Blanco	Rio Blanco	Rio Blanco	Rio Blanco	Garfield	Rio Blanco	Rio Blanco
Section, township, range	35-4S.-96W.	6-4S.-99W.	2-4S.-99W.	26-3S.-99W.	14-4S.-99W.	23-4S.-99W.	10-4S.-99W.	15-4S.-99W.
Elevationfeet								
Surface	2/7,750	8,651	7,818	7,259	8,131	8,090	7,986	8,160
Mahogany marker	7,122.0	8,461	7,533	7,012	7,737	7,816	7,821	7,898
Bottom of hole	7,061.8	8,098	7,335	6,914	7,428	7,729	7,184	7,788
Depth of marker feet	628.0	190	285	247	394	274	165.0	262
Sampled section								
Depth do.	194.7 to 688.2	15 to 533	33 to 483	15 to 345	0 to 703	20 to 354	2.0 to 802.0	30 to 372
Distance from marker <u>3</u> / do.	433.3 to -60.2	175 to -363	252 to -198	232 to -98	394 to -309	254 to -80	163.3 to -637.0	232 to -110
Length do.	493.5	538	450	330	703	334	800.0	342
30-gallon-per-ton section	<u>4</u> /							
Depth do.	600.0 to 688.2	195 to 231	288 to 328	236 to 296	398 to 444	264 to 320	180.0 to 220.0	268 to 316
Distance from marker <u>3</u> / do.	28.0 to -60.2	-5 to -41	-3 to -43	11 to -49	-4 to -50	10 to -46	-15.0 to -55.0	-8 to -56
Length do.	88.2	36	40	60	46	56	40.0	48
Shale per square mile								
..... thousand tons	164,200	67,030	74,420	112,100	85,660	104,400	74,640	89,310
Oil per square mile								
..... thousand barrels	117,700	47,960	53,440	78,820	61,270	74,300	52,850	64,130
Oil per acre-foot barrels	2,085	2,082	2,088	2,053	2,081	2,073	2,064	2,088
25-gallon-per-ton section	<u>4</u> /			<u>4</u> /				
Depth feet	554.0 to 688.2	169 to 235	264 to 360	224 to 345	374 to 460	252 to 349	160.0 to 235.0	244 to 330
Distance from marker <u>3</u> / do.	74.0 to -60.2	21 to -45	21 to -75	23 to -98	20 to -66	22 to -75	5.0 to -70.0	16 to -70
Length do.	134.2	66	96	121	86	97	75.0	86
Shale per square mile								
..... thousand tons	258,200	127,100	184,800	233,200	165,600	186,900	144,400	165,600
Oil per square mile								
..... thousand barrels	154,600	75,690	110,200	138,300	98,730	111,100	86,260	98,570
Oil per acre-foot barrels	1,800	1,792	1,794	1,786	1,794	1,790	1,797	1,791
15-gallon-per-ton section	<u>4</u> /		<u>4</u> /	<u>4</u> /	<u>4</u> /	<u>4</u> /		<u>4</u> /
Depthfeet	194.7 to 688.2	15 to 430	33 to 483	15 to 345	57 to 703	20 to 354	2.0 to 759.0	30 to 372
Distance from marker <u>3</u> / do.	433.3 to -60.2	175 to -240	252 to -198	232 to -98	337 to -309	254 to -80	158.0 to -599.0	230 to -112
Length do.	493.5	415	450	330	646	334	757.0	342
Shale per square mile								
..... thousand tons	1,016,000	859,200	910,100	664,100	1,336,000	673,000	1,566,000	696,100
Oil per square mile								
..... thousand barrels	377,600	305,400	391,300	296,500	479,400	297,600	561,500	284,900
Oil per acre-foot barrels	1,196	1,150	1,359	1,404	1,160	1,392	1,159	1,302

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

Company	Weber Oil Co.							
	Figure 4, No. 3	G.J. No. 1	G.J. No. 2	G.J. No. 3	Joe T. No. 1	Juhan No. 1	Marcedus No. 1	Marcedus No. 2
Corehole								
Figure No.	39	40	41	42	43	44	45	46
Number on map and table No.	67	68	69	70	71	72	73	74
Location								
County	Rio Blanco	Rio Blanco	Rio Blanco	Rio Blanco	Garfield	Rio Blanco	Rio Blanco	Rio Blanco
Section, township, range	17-4S.-99W.	23-2S.-100W.	26-2S.-100W.	35-2S.-100W.	19-4S.-99W.	1-1S.-96W.	31-3S.-98W.	30-3S.-98W.
Elevation feet								
Surface	8,351	7,964	8,163	8,238	8,274	2/6,240	7,316	7,176
Mahogany marker	8,088	7,779	7,901	8,003	8,068	6,023	6,981	6,641
Bottom of hole	7,988	7,674	7,811	7,886	8,010	5,694	6,732	6,544
Depth of marker feet	263	185	262	235	206	217	335	535
Sampled section								
Depth do.	25 to 363	21 to 290	25 to 352	15 to 352	20 to 264	20 to 546	30 to 584	56 to 632
Distance from marker ^{3/} do.	238 to -100	164 to -105	237 to -90	220 to -117	186 to -58	197 to -329	305 to -249	479 to -97
Length do.	338	269	327	337	244	526	554	576
30-gallon-per-ton section								
Depth do.	266 to 308	190 to 220	273 to 307	246 to 274	210 to 250	240 to 242	340 to 388	500 to 590
Distance from marker ^{3/} do.	-3 to -45	-5 to -35	-11 to -45	-11 to -39	-4 to -44	-23 to -25	-5 to -53	35 to -55
Length do.	42	30	34	28	40	2	48	90
Shale per square mile thousand tons	77,980	55,950	63,200	52,160	74,550	3,715	89,400	167,700
Oil per square mile thousand barrels	56,550	39,720	45,580	37,230	53,110	2,689	63,900	119,700
Oil per acre-foot barrels	2,104	2,069	2,095	2,078	2,075	2,101	2,080	2,078
25-gallon-per-ton section								
Depth feet	246 to 325	162 to 230	249 to 309	224 to 280	186 to 254	236 to 248	314 to 415	450 to 620
Distance from marker ^{3/} do.	17 to -62	23 to -45	13 to -47	11 to -45	20 to -48	-19 to -31	21 to -80	85 to -85
Length do.	79	68	60	56	68	12	101	170
Shale per square mile thousand tons	152,200	131,100	115,500	107,700	130,800	23,120	194,300	327,000
Oil per square mile thousand barrels	90,450	77,750	69,000	64,520	78,640	13,760	116,500	196,100
Oil per acre-foot barrels	1,789	1,787	1,797	1,800	1,807	1,792	1,802	1,802
15-gallon-per-ton section								
Depth feet	4/ 25 to 363	4/ 30 to 290	30 to 335	85 to 305	4/ 20 to 264	180 to 312	4/ 30 to 584	4/ 90 to 632
Distance from marker ^{3/} do.	238 to -100	155 to -105	232 to -73	150 to -70	186 to -58	37 to -95	305 to -249	445 to -97
Length do.	338	260	305	220	244	132	554	542
Shale per square mile thousand tons	689,800	538,100	631,200	455,200	496,400	273,200	1,124,000	1,112,000
Oil per square mile thousand barrels	276,400	192,100	225,400	162,900	204,000	97,510	473,400	426,500
Oil per acre-foot barrels	1,278	1,154	1,155	1,157	1,306	1,154	1,335	1,230

See footnotes at end of table.

TABLE 2. - Sections of Green River oil shale from coreholes drilled in Colorado before 1955 (Con.)

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Company	Weber Oil Co.				
	Ureca No. 1	Ute No. 1	Ute No. 2	War Eagle No. 1	
Corehole					
Figure No.	47	48	49	50	
Number on map and table No.	75	76	77	78	
Location					
County	Rio Blanco	Rio Blanco	Rio Blanco	Garfield	
Section, township, range	13-4S.-99W.	28-3S.-99W.	33-3S.-99W.	21-4S.-99W.	
Elevation feet					
Surface	8,020	8,162	8,113	8,248	1/ Log published in Bureau of Mines Report of Investigations 5081, 1954, 153 pp.
Mahogany marker	7,722	7,635	7,955	7,958	
Bottom of hole	7,558	7,556	7,719	7,756	
Depth of marker feet	298	527	158	290	2/ Surface elevation was estimated and used as the basis for the other elevations.
Sampled section					
Depth do.	35 to 462	22 to 596	30 to 394	47 to 492	3/ Positive values show distance above marker; negative values show distance below marker.
Distance from marker ^{3/} ... do.	263 to -164	505 to -69	128 to -236	243 to -202	
Length do.	427	574	364	445	
30-gallon-per-ton section					
Depth do.	278 to 340	516 to 564	162 to 210	293 to 333	4/ Minimum value due to insufficient length of core section.
Distance from marker ^{3/} ... do.	20 to -42	9 to -39	-4 to -52	-3 to -43	
Length do.	62	48	48	40	
Shale per square mile					5/ Poor recovery of core; marker was not identified.
..... thousand tons	115,500	89,400	89,400	74,550	
Oil per square mile					
..... thousand barrels	82,470	63,880	63,900	53,090	6/ Uncertain value due to samples missing from core section.
Oil per acre-foot barrels	2,078	2,079	2,080	2,074	
25-gallon-per-ton section		4/			
Depth feet	276 to 370	504 to 596	138 to 230	271 to 341	
Distance from marker ^{3/} ... do.	22 to -72	23 to -69	20 to -72	19 to -51	
Length do.	94	92	92	70	
Shale per square mile					
..... thousand tons	180,500	177,000	177,200	134,800	
Oil per square mile					
..... thousand barrels	109,200	106,100	105,400	80,370	
Oil per acre-foot barrels	1,815	1,802	1,790	1,794	
15-gallon-per-ton section	4/	4/	4/	4/	
Depth feet	35 to 462	190 to 596	30 to 394	47 to 492	
Distance from marker ^{3/} ... do.	263 to -164	337 to -69	128 to -236	243 to -202	
Length do.	427	406	364	445	
Shale per square mile					
..... thousand tons	860,500	837,200	733,300	911,900	
Oil per square mile					
..... thousand barrels	380,100	308,000	324,700	353,000	
Oil per acre-foot barrels	1,391	1,185	1,394	1,239	

These selected sections, which are based only on oil yield, are not necessarily suitable for mining, and several limitations in the use of the data should be mentioned. As indicated by footnote 4 to table 2, the 25-gallon-per-ton sections for approximately one-third of the coreholes and the 15-gallon-per-ton sections for more than half of the coreholes extended to the bottoms of the sampled sections. Accordingly, the footages and yields of oil and shale from these particular sections are minimum values as additional shales of the same grade may occur at greater depths. The yields of oil and shale shown for the Ray, Bear Run No. 1, and Allen No. 1 coreholes are uncertain due to incomplete recovery of core.

It also is apparent that it may not be desirable to mine a complete section of shale simply because the average oil yield is acceptable. For example, a 100-foot section averaging 25 gallons of oil per ton consists of an 80-foot section of samples, each yielding 15 or more gallons of oil per ton. This 80-foot section is sandwiched between 20 feet of samples, each yielding less than 5 gallons of oil per ton. Mining the 80-foot sections would be preferable to mining the 100-foot section, which includes the lean shales.

The interval between the Mahogany marker and the richest oil-shale sample in each of the cores ranged from 1 to 23 feet and averaged 13.5 feet. This wide range was due not only to normal variations in bed thickness but also in some cases to sampling errors. The latter included incorrect identification of the marker, incomplete recovery of core, and the occasional use of excessive sample intervals.

Analyses of other cores and core-drill cuttings of Green River oil shale in Colorado, also in Utah and Wyoming, are in progress. The results of these analyses will be made available in subsequent publications.

APPENDIX

TABLE 3. - Corehole A, Bureau of Mines, NW1/4NE1/4SW1/4 sec. 12, T. 6 S., R. 95 W.,
Garfield County, Colo.

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
160.0	8.5	0.664	221.0	15.6	1.152	283.0	11.7	0.891	345.0	10.4	0.800
161.0	10.3	.793	222.0	24.3	1.687	284.0	11.0	.842	346.0	13.0	.980
162.0	32.9	2.155	223.0	18.7	1.350	285.0	9.7	.750	347.0	16.5	1.210
163.0	29.6	1.982	224.0	8.7	.679	286.0	12.5	.946	348.0	15.5	1.146
164.0	19.6	1.405	225.0	8.3	.650	287.0	29.8	1.993	349.0	10.4	.800
165.0	18.9	.954	226.0	7.8	.613	288.0	18.4	1.331	350.0	10.2	.786
165.7	21.1	1.048	227.0	6.5	.516	289.0	9.3	.722	351.0	9.7	.750
166.4	10.0	.463	228.0	7.3	.576	290.0	7.5	.591	352.0	20.0	1.430
167.0	4.6	.372	229.0	6.8	.539	291.0	7.6	.598	353.0	30.2	2.014
168.0	7.1	.561	230.0	6.6	.524	292.0	6.2	.494	354.0	13.9	1.040
169.0	5.9	.471	231.0	6.5	.516	293.0	9.4	.729	355.0	9.5	.736
170.0	8.4	.657	232.0	6.0	.479	294.0	16.5	1.210	356.0	12.0	.912
171.0	9.8	.757	233.0	6.7	.531	295.0	22.8	1.599	357.0	8.1	.635
172.0	10.0	.771	234.0	6.3	.501	296.0	12.3	.932	358.0	9.8	.757
173.0	12.4	.939	235.0	6.2	.494	297.0	10.3	.793	359.0	15.7	1.159
174.0	12.0	.912	236.0	7.1	.561	298.0	11.3	.863	360.0	13.0	.980
175.0	12.3	.926	237.0	7.2	.569	299.0	15.1	1.120	361.0	7.1	.561
176.0	9.7	.750	238.0	5.4	.433	300.0	26.5	1.812	362.0	5.4	.433
177.0	12.3	.932	239.0	5.9	.471	301.0	19.0	1.369	363.0	8.9	.693
178.0	11.0	.842	240.0	15.9	1.172	302.0	10.9	.835	364.0	10.7	.821
179.0	11.7	.891	241.0	9.2	.715	303.0	9.2	.715	365.0	9.3	.722
180.0	11.0	.842	242.0	7.1	.561	304.0	9.8	.757	366.0	8.3	.650
181.0	10.3	.793	243.0	23.6	1.646	305.0	12.2	.926	367.0	13.6	1.020
182.0	12.7	.960	244.0	7.6	.598	306.0	14.0	1.047	368.0	21.1	1.497
183.0	16.2	1.191	245.0	6.6	.524	307.0	14.8	1.100	369.0	8.5	.664
184.0	11.4	.870	246.0	7.3	.576	308.0	14.4	1.074	370.0	11.0	.842
185.0	7.1	.561	247.0	23.5	1.640	309.0	14.7	1.094	371.0	12.3	.932
186.0	8.2	.642	248.0	5.9	.471	310.0	20.8	1.479	372.0	8.5	.664
187.0	10.0	.771	249.0	10.6	.814	311.0	15.3	1.133	373.0	10.5	.807
188.0	9.8	.757	250.0	9.9	.764	312.0	13.8	1.033	374.0	8.1	.635
189.0	9.9	.764	251.0	7.3	.576	313.0	16.4	1.204	375.0	8.7	.679
190.0	10.0	.771	252.0	8.5	.664	314.0	15.0	1.114	376.0	20.3	1.448
191.0	13.0	.980	253.0	6.2	.494	315.0	14.4	1.074	377.0	31.7	2.092
192.0	10.3	.793	254.0	6.4	.509	316.0	12.3	.932	378.0	12.3	.932
193.0	9.2	.715	255.0	6.6	.516	317.0	12.5	.946	379.0	10.0	.771
194.0	7.8	.613	256.0	5.9	.471	318.0	15.5	1.146	380.0	10.0	.771
195.0	7.7	.606	257.0	9.1	.700	319.0	15.5	1.146	381.0	9.3	.722
196.0	7.0	.554	258.0	11.7	.891	320.0	15.9	1.172	382.0	8.2	.642
197.0	8.4	.657	259.0	9.5	.736	321.0	15.9	1.172	383.0	9.0	.700
198.0	7.0	.554	260.0	9.5	.736	322.0	14.2	1.060	384.0	10.0	.771
199.0	4.8	.388	261.0	8.8	.686	323.0	15.9	1.172	385.0	26.1	1.790
200.0	10.3	.793	262.0	8.1	.635	324.0	16.5	1.210	386.0	23.7	1.652
201.0	9.4	.729	263.0	7.3	.569	325.0	13.7	1.027	387.0	12.7	.960
202.0	7.2	.569	264.0	5.8	.464	326.0	15.4	1.140	388.0	10.3	.793
203.0	5.3	.426	265.0	5.2	.418	327.0	13.3	1.000	389.0	10.7	.821
204.0	4.2	.341	266.0	6.7	.531	328.0	15.6	1.152	390.0	16.5	1.210
205.0	6.5	.516	267.0	8.9	.693	329.0	17.3	1.262	391.0	29.8	1.993
206.0	9.0	.700	268.0	9.0	.700	330.0	16.7	1.223	392.0	49.9	2.940
207.0	10.1	.778	269.0	9.4	.729	331.0	16.6	1.217	393.0	23.5	1.640
208.0	10.0	.771	270.0	16.5	1.210	332.0	20.0	1.430	394.0	8.0	.628
209.0	7.7	.606	271.0	15.4	1.140	333.0	16.1	1.185	395.0	10.0	.771
210.0	9.2	.715	272.0	17.1	1.249	334.0	25.3	1.744	396.0	9.5	.736
211.0	8.4	.657	273.0	10.4	.800	335.0	33.5	2.186	397.0	8.2	.642
212.0	8.1	.635	274.0	8.5	.664	336.0	24.7	1.710	398.0	11.4	.870
213.0	7.3	.576	275.0	6.7	.531	337.0	22.2	1.564	399.0	12.6	.953
214.0	7.9	.620	276.0	6.8	.539	338.0	22.8	1.599	400.0	16.5	1.210
215.0	9.0	.700	277.0	11.8	.898	339.0	21.2	1.503	401.0	14.0	1.047
216.0	7.9	.620	278.0	9.2	.715	340.0	22.6	1.587	402.0	12.9	.973
217.0	7.0	.554	279.0	9.9	.764	341.0	20.9	1.485	403.0	11.6	.884
218.0	5.1	.411	280.0	9.4	.729	342.0	15.1	1.120	404.0	14.6	1.087
219.0	6.2	.494	281.0	13.7	1.027	343.0	16.7	1.223	405.0	15.2	1.127
220.0	4.2	.341	282.0	15.4	1.140	344.0	14.7	1.094	406.0	40.8	2.543

1/ Starting depth of sample below surface (elevation, 8,792.1 feet).

TABLE 3. - Corehole A, Bureau of Mines, NW1/4NE1/4SW1/4 sec. 12, T. 6 S., R. 95 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
407.0	29.2	1.960	457.0	15.3	1.133	507.0	30.6	2.036	557.0	76.6	3.842
408.0	11.8	.898	458.0	13.2	.993	508.0	21.5	1.521	558.0	71.7	3.735
409.0	13.1	.987	459.0	11.3	.863	509.0	7.8	.613	559.0	55.2	3.148
410.0	12.1	.919	460.0	11.6	.884	510.0	5.9	.471	560.0	41.8	2.590
411.0	5.5	.441	461.0	9.8	.757	511.0	6.7	.531	561.0	51.9	3.020
412.0	3.9	.317	462.0	22.2	1.564	512.0	4.2	.341	562.0	41.5	2.576
413.0	18.9	1.363	463.0	17.8	1.293	513.0	5.4	.433	563.0	25.1	1.733
414.0	15.7	1.159	464.0	14.2	1.060	514.0	12.0	.912	564.0	21.3	1.509
415.0	15.0	1.114	465.0	14.5	1.080	515.0	5.9	.471	565.0	24.2	1.681
416.0	11.9	.905	466.0	13.1	.987	516.0	6.8	.539	566.0	29.4	1.971
417.0	13.1	.987	467.0	15.7	1.159	517.0	3.9	.317	567.0	40.1	2.511
418.0	13.5	1.013	468.0	15.3	1.133	518.0	2.7	.222	568.0	31.0	2.057
419.0	15.3	1.133	469.0	15.0	1.114	519.0	2.5	.206	569.0	15.9	1.172
420.0	19.9	1.424	470.0	16.6	1.217	520.0	2.0	.166	570.0	18.5	1.338
421.0	15.0	1.114	471.0	20.4	1.454	521.0	2.8	.230	571.0	20.5	1.460
422.0	13.2	.993	472.0	18.4	1.331	522.0	9.6	.743	572.0	42.4	2.618
423.0	15.7	1.159	473.0	18.1	1.312	523.0	17.6	1.281	573.0	50.2	2.952
424.0	11.5	.877	474.0	19.1	1.375	524.0	13.5	1.013	574.0	35.4	2.283
425.0	12.5	.946	475.0	29.5	1.976	525.0	11.6	.884	575.0	26.1	1.790
426.0	14.8	1.100	476.0	19.5	1.400	526.0	18.7	1.350	576.0	19.4	1.393
427.0	22.8	1.599	477.0	14.8	1.100	527.0	22.7	1.593	577.0	32.8	2.150
428.0	17.1	1.249	478.0	13.1	.987	528.0	19.8	1.418	578.0	33.9	2.207
429.0	13.6	1.020	479.0	12.4	.939	529.0	13.5	1.013	579.0	20.0	1.430
430.0	12.5	.946	480.0	9.6	.743	530.0	20.6	1.466	580.0	15.9	1.172
431.0	12.3	.932	481.0	9.4	.729	531.0	28.7	1.933	581.0	39.3	2.474
432.0	13.4	1.007	482.0	14.0	1.047	532.0	32.2	2.118	582.0	23.0	1.611
433.0	12.7	.960	483.0	14.4	1.074	533.0	30.5	2.030	583.0	10.7	.821
434.0	13.9	1.040	484.0	15.8	1.166	534.0	45.1	2.738	584.0	15.0	1.114
435.0	19.7	1.412	485.0	8.6	.671	535.0	39.6	2.488	585.0	27.7	1.878
436.0	14.4	1.074	486.0	9.2	.715	536.0	28.9	1.944	586.0	42.0	2.600
437.0	13.8	1.033	487.0	10.1	.778	537.0	21.2	1.503	587.0	43.4	2.663
438.0	15.2	1.127	488.0	7.7	.606	538.0	20.5	1.460	588.0	34.7	2.248
439.0	15.2	1.127	489.0	10.8	.828	539.0	22.9	1.605	589.0	26.6	1.818
440.0	13.4	1.007	490.0	18.3	1.325	540.0	20.8	1.479	590.0	39.9	2.502
441.0	11.8	.898	491.0	18.3	1.325	541.0	15.7	1.159	591.0	44.3	2.703
442.0	14.6	1.087	492.0	15.0	1.114	542.0	17.0	1.242	592.0	26.2	1.795
443.0	16.3	1.198	493.0	10.7	.821	543.0	11.8	.898	593.0	14.1	1.053
444.0	15.1	1.120	494.0	11.6	.884	544.0 2/	8.4	.657	594.0	14.7	1.094
445.0	11.9	.905	495.0	14.6	1.087	545.0	12.2	.926	595.0	18.7	1.350
446.0	12.6	.953	496.0	37.6	2.391	546.0	6.7	.531	596.0	10.9	.835
447.0	20.0	1.430	497.0	21.7	1.533	547.0	11.9	.905	597.0 3/	8.0	.628
448.0	21.8	1.540	498.0	14.0	1.047	548.0	23.6	1.646	598.0	4.0	.325
449.0	14.2	1.060	499.0	14.2	1.060	549.0	47.7	2.858	599.0	7.3	.576
450.0	14.2	1.060	500.0	16.7	1.223	550.0	22.9	1.605	600.0	12.8	.966
451.0	12.0	.912	501.0	15.7	1.159	551.0	23.6	1.646	601.0	6.4	.509
452.0	10.3	.793	502.0	15.8	1.166	552.0	28.6	1.927	602.0	15.5	1.146
453.0	7.6	.598	503.0	24.5	1.698	553.0	42.9	2.641	603.0	8.3	.650
454.0	12.6	.953	504.0	36.7	2.347	554.0	36.2	2.323	604.0	15.8	1.166
455.0	26.7	1.823	505.0	17.1	1.249	555.0	48.6	2.884	605.0	11.6	.884
456.0	23.7	1.652	506.0	17.7	1.287	556.0	53.4	3.078	606.0	-	-

1/ Starting depth of sample below surface (elevation, 8,792.1 feet).

2/ Mahogany marker at depth of 544 feet (elevation, 8,248.1 feet).

3/ The maximum section of 15-gal./ton shale extends from depths of 160 to 597 feet, the corresponding 25-gal./ton section extends from depths of 522 to 606 feet.

TABLE 4. - Corehole B, Bureau of Mines, NW1/4SE1/4NW1/4 sec. 12, T. 6 S., R. 95 W.,
Garfield County, Colo.

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
72.0	9.9	1.146	141.0	8.8	0.686	205.0	16.0	1.178	269.0	19.5	1.400
73.5	10.1	1.168	142.0	10.1	.778	206.0	15.1	1.120	270.0	9.7	.750
75.0	7.2	.853	143.0	11.7	.891	207.0	15.2	1.127	271.0	12.1	.919
76.5	7.3	.864	144.0	9.7	.750	208.0	15.3	1.133	272.0	9.9	.764
78.0	8.8	.686	145.0	7.4	.583	209.0	14.9	1.107	273.0	12.9	.973
79.0	4.7	.380	146.0	5.9	.471	210.0	13.5	1.013	274.0	14.5	1.080
80.0	13.6	1.020	147.0	4.7	.380	211.0	14.4	1.074	275.0	15.1	1.120
81.0	20.0	1.430	148.0	5.8	.464	212.0	15.8	1.166	276.0	26.9	1.834
82.0	20.5	1.460	149.0	7.4	.583	213.0	15.0	1.114	277.0	32.8	2.150
83.0	18.9	1.363	150.0	9.3	.722	214.0	16.9	1.236	278.0	9.0	.700
84.0	7.2	.567	151.0	9.4	.729	215.0	18.5	1.338	279.0	8.8	.686
85.0	5.6	.449	152.0	10.1	.778	216.0	20.0	1.430	280.0	7.8	.613
86.0	3.4	.278	153.0	12.5	.946	217.0	17.9	1.300	281.0	8.1	.635
87.0	5.6	.449	154.0	15.8	1.166	218.0	16.8	1.230	282.0	9.1	.708
88.0	8.7	1.154	155.0	17.8	1.293	219.0	34.5	2.238	283.0	11.9	.905
89.7	9.9	.764	156.0	8.8	.686	220.0	26.0	1.784	284.0	16.8	1.230
91.3	5.3	.724	157.0	8.7	.679	221.0	22.8	1.599	285.0	15.4	1.140
93.0	7.3	.864	158.0	6.0	.479	222.0	26.2	1.795	286.0	11.7	.891
94.5	8.1	.952	159.0	7.3	.576	223.0	28.5	1.922	287.0	14.4	1.074
96.0	7.3	.576	160.0	12.4	.939	224.0	20.0	1.430	288.0	12.9	.973
97.0	7.4	.583	161.0	9.6	.743	225.0	17.5	1.274	289.0	16.5	1.210
98.0	8.4	.657	162.0	10.1	.778	226.0	15.9	1.172	290.0	16.2	1.191
99.0	3.9	.317	163.0	9.1	.708	227.0	13.2	.993	291.0	42.7	2.632
100.0	23.0	1.611	164.0	15.5	1.146	228.0	10.3	.793	292.0	30.9	2.051
101.0	14.0	1.047	165.0	15.7	1.159	229.0	13.3	1.000	293.0	12.1	.919
102.0	15.0	1.114	166.0	11.2	.856	230.0	18.0	1.306	294.0	13.9	1.040
103.0	16.6	1.217	167.0	10.2	.786	231.0	12.3	.932	295.0	7.8	.613
104.0	13.0	.980	168.0	8.7	.679	232.0	10.4	.800	296.0	2.4	.198
105.0	9.2	.715	169.0	6.5	.516	233.0	9.3	.722	297.0	16.8	1.230
106.0	8.2	.642	170.0	22.0	1.552	234.0	9.6	.743	298.0	17.3	1.262
107.0	7.8	.613	171.0	20.5	1.460	235.0	13.9	1.040	299.0	18.8	1.356
108.0	7.4	.583	172.0	11.5	.877	236.0	35.5	2.288	300.0	12.3	.932
109.0	6.9	.546	173.0	8.0	.628	237.0	19.0	1.369	301.0	12.1	.919
110.0	6.7	.531	174.0	7.5	.591	238.0	10.9	.835	302.0	12.5	.946
111.0	6.6	.524	175.0	8.0	.628	239.0	10.3	.793	303.0	14.2	1.060
112.0	6.6	.524	176.0	10.9	.835	240.0	9.4	.729	304.0	18.8	1.356
113.0	7.0	.554	177.0	13.5	1.013	241.0	9.7	.750	305.0	16.7	1.223
114.0	7.3	.576	178.0	20.8	1.479	242.0	16.6	1.217	306.0	13.6	1.020
115.0	6.5	.516	179.0	16.5	1.210	243.0	13.8	1.033	307.0	14.5	1.080
116.0	6.3	.501	180.0	10.6	.814	244.0	10.0	.771	308.0	11.6	.884
117.0	7.2	.569	181.0	10.7	.821	245.0	5.3	.426	309.0	16.6	1.217
118.0	7.8	.613	182.0	11.5	.877	246.0	7.6	.598	310.0	22.8	1.599
119.0	6.3	.501	183.0	15.3	1.133	247.0	10.1	.778	311.0	15.3	1.133
120.0	4.9	.395	184.0	24.3	1.687	248.0	9.2	.715	312.0	12.7	.960
121.0	7.3	.576	185.0	15.0	1.114	249.0	6.6	.524	313.0	14.1	1.053
122.0	8.6	.671	186.0	11.0	.842	250.0	10.9	.835	314.0	11.2	.856
123.0	8.5	.664	187.0	10.7	.821	251.0	22.0	1.552	315.0	13.0	.980
124.0	19.8	1.418	188.0	10.7	.821	252.0	14.3	1.067	316.0	13.4	1.007
125.0	21.9	1.546	189.0	14.3	1.067	253.0	9.8	.757	317.0	12.1	.919
126.0	8.7	.679	190.0	15.1	1.120	254.0	9.4	.729	318.0	14.9	1.107
127.0	7.7	.606	191.0	14.2	1.060	255.0	10.4	.800	319.0	13.1	.987
128.0	6.4	.509	192.0	15.4	1.140	256.0	11.8	.898	320.0	13.8	1.033
129.0	5.4	.433	193.0	17.9	1.300	257.0	9.6	.743	321.0	13.3	1.000
130.0	5.7	.456	194.0	17.6	1.281	258.0	7.5	.591	322.0	15.4	1.140
131.0	23.4	1.634	195.0	13.2	.993	259.0	18.3	1.325	323.0	17.1	1.249
132.0	13.1	.987	196.0	14.5	1.080	260.0	30.4	2.025	324.0	11.3	.863
133.0	7.5	.591	197.0	16.7	1.223	261.0	12.2	.926	325.0	14.3	1.067
134.0	6.7	.531	198.0	15.5	1.146	262.0	10.5	.807	326.0	16.2	1.191
135.0	9.0	.700	199.0	14.9	1.107	263.0	9.5	.736	327.0	13.6	1.020
136.0	7.6	.598	200.0	12.7	.960	264.0	8.1	.635	328.0	12.3	.932
137.0	7.5	.591	201.0	13.7	1.027	265.0	8.0	.628	329.0	10.2	.786
138.0	7.7	.606	202.0	17.8	1.293	266.0	8.5	.664	330.0	12.5	.946
139.0	7.2	.569	203.0	15.4	1.140	267.0	14.0	1.047	331.0	15.5	1.146
140.0	9.7	.750	204.0	14.4	1.074	268.0	30.2	2.014	332.0	22.0	1.552

1/ Starting depth of sample below surface (elevation, 8,700.1 feet).

TABLE 4. - Corehole B, Bureau of Mines, NW1/4SE1/4NW1/4 sec. 12, T. 6 S., R. 95 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
333.0	10.7	0.821	372.0	9.7	0.750	411.0	29.2	1.960	450.0	23.9	1.664
334.0	5.2	.418	373.0	7.0	.554	412.0	21.4	1.515	451.0	43.4	2.663
335.0	9.9	.764	374.0	15.0	1.114	413.0	14.2	1.060	452.0	58.8	3.282
336.0	11.8	.898	375.0	15.1	1.120	414.0	18.9	1.363	453.0	21.2	1.503
337.0	13.1	.987	376.0	18.3	1.325	415.0	23.5	1.640	454.0	18.3	1.325
338.0	15.4	1.140	377.0	14.1	1.047	416.0	33.0	2.160	455.0	19.1	1.375
339.0	14.9	1.107	378.0	10.6	.814	417.0	27.7	1.878	456.0	22.5	1.581
340.0	23.7	1.652	379.0	12.7	.960	418.0	30.0	2.004	457.0	22.9	1.605
341.0	16.1	1.185	380.0	15.7	1.159	419.0	23.6	1.646	458.0	45.2	2.742
342.0	13.0	.980	381.0	37.8	2.401	420.0	28.0	1.895	459.0	43.2	2.654
343.0	11.4	.870	382.0	19.2	1.381	421.0	39.0	2.460	460.0	28.1	1.900
344.0	12.3	.932	383.0	12.7	.960	422.0	23.2	1.622	461.0	32.5	2.134
345.0	9.8	.757	384.0	15.3	1.133	423.0	12.7	.960	462.0	48.5	2.880
346.0	15.3	1.133	385.0	17.1	1.249	424.0	15.1	1.120	463.0	21.2	1.503
347.0	22.3	1.569	386.0	16.5	1.210	425.0 2/	13.3	1.000	464.0	14.8	1.100
348.0	11.1	.849	387.0	17.2	1.260	426.0	27.6	1.873	465.0	31.4	2.077
349.0	12.1	.919	388.0	21.7	1.533	427.0	20.4	1.454	466.0	29.8	1.993
350.0	12.7	.960	389.0	34.5	2.238	428.0	12.3	.932	467.0	12.6	.953
351.0	12.8	.966	390.0	17.0	1.242	429.0	6.6	.501	468.0	20.1	1.436
352.0	14.4	1.074	391.0	17.4	1.268	430.0	12.5	.946	469.0	22.3	1.569
353.0	14.7	1.094	392.0	31.6	2.087	431.0	11.9	.905	470.0	41.8	2.590
354.0	14.6	1.087	393.0	16.6	1.217	432.0	17.6	1.280	471.0	43.4	2.663
355.0	16.2	1.191	394.0	6.9	.546	433.0	37.8	2.401	472.0	32.3	2.123
356.0	17.0	1.242	395.0	6.8	.539	434.0	29.5	1.976	473.0	26.6	1.818
357.0	17.6	1.281	396.0	6.1	.486	435.0	21.4	1.515	474.0	39.7	2.493
358.0	17.5	1.274	397.0	4.1	.333	436.0	23.0	1.611	475.0	35.1	2.268
359.0	23.7	1.652	398.0	6.5	.516	437.0	24.1	1.675	476.0	19.1	1.375
360.0	26.6	1.818	399.0	12.7	.960	438.0	40.6	2.534	477.0	12.1	.919
361.0	15.8	1.166	400.0	6.2	.494	439.0	37.7	2.396	478.0	17.1	1.249
362.0	12.2	.926	401.0	6.7	.532	440.0	54.3	3.113	479.0	17.2	1.255
363.0	12.5	.946	402.0	4.5	.364	441.0	45.5	2.755	480.0	9.8	.757
364.0	9.8	.757	403.0	2.7	.322	442.0	72.8	3.740	481.0	3.9	.317
365.0	9.1	.708	404.0	2.4	.198	443.0	72.8	3.740	482.0	7.8	.613
366.0	13.1	.987	405.0	2.4	.198	444.0	61.0	3.361	483.0	7.5	.591
367.0	15.4	1.140	406.0	3.0	.246	445.0	43.0	2.645	484.0	10.2	.786
368.0	16.8	1.230	407.0	9.3	.722	446.0	51.4	3.001	485.0	12.0	.912
369.0	13.1	.987	408.0	20.2	1.442	447.0	49.7	2.931	486.0	12.5	3.784
370.0	7.6	.598	409.0	10.8	.828	448.0	28.2	1.906	490.0	-	-
371.0	9.6	.743	410.0	31.3	2.072	449.0	17.0	1.242			

1/ Starting depth of sample below surface (elevation, 8,700.1 feet).

2/ Mahogany marker at depth of 425.6 feet (elevation, 8,274.5 feet).

TABLE 5. - Corehole C, Bureau of Mines, NW1/4SW1/4NW1/4 sec. 12, T. 6 S., R. 95 W.,
Garfield County, Colo.

7	5.8	1.391	38	13.8	2.067	68	6.8	1.078	98	7.1	1.122
10	3.1	.509	40	9.5	1.472	70	21.2	3.001	100	18.6	2.688
12	24.3	3.374	42	10.1	1.557	72	18.0	2.612	102	9.9	.957
14	16.3	2.395	44	9.1	1.415	74	8.3	1.299	104	8.4	1.314
16	18.2	2.638	46	9.3	1.444	76	7.1	1.122	106	7.7	1.211
18	6.1	.973	48	8.4	1.314	78	7.2	1.137	108	7.9	1.240
20	6.2	.988	50	23.5	3.280	80	6.8	1.078	110	11.0	1.665
22	8.5	1.328	52	14.5	2.160	82	7.1	1.122	112	10.0	1.542
24	10.9	1.670	54	6.9	1.093	84	6.4	1.018	114	6.5	1.033
26	11.8	1.796	56	7.7	1.211	86	7.7	1.211	116	5.5	.882
28	12.9	1.946	58	10.2	1.571	88	5.5	.882	118	8.2	1.284
30	12.4	1.878	60	8.7	1.357	90	8.0	1.255	120	11.8	1.796
32	9.5	1.472	62	9.0	1.415	92	24.8	3.432	122	19.7	2.823
34	11.5	1.754	64	7.5	1.182	94	7.6	1.196	124	7.8	1.226
36	15.1	2.240	66	8.2	1.284	96	6.0	.958	126	8.3	1.299

1/ Starting depth of sample below surface (elevation, 8,585.7 feet).

TABLE 5. - Corehole C, Bureau of Mines, NW1/4SW1/4NW1/4 sec. 12, T. 6 S., R. 95 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
128	10.3	1.585	240	17.8	2.587	352	15.9	2.344	412	48.7	2.889
130	9.4	1.458	242	30.2	4.029	354	16.0	2.357	413	54.6	3.125
132	14.6	2.174	244	9.0	1.401	356	18.2	2.638	414	43.4	2.659
134	11.7	1.782	246	8.5	1.328	358	24.4	3.385	415	50.7	2.972
136	8.0	1.255	248	9.7	1.500	360	10.5	.807	416	37.6	2.391
138	22.3	3.139	250	16.2	2.383	361	10.6	.814	417	23.3	1.628
140	8.9	1.386	252	12.3	1.865	362	5.8	.464	418	25.8	1.773
142	7.4	1.167	254	14.5	2.160	363	5.9	.471	419	38.4	2.430
144	11.9	1.810	256	26.6	3.636	364	4.8	.388	420	47.6	2.844
146	19.9	2.848	258	21.8	3.079	365	12.2	.926	421	20.9	1.485
148	10.9	1.670	260	12.8	1.933	366	7.4	.583	422	30.9	2.051
150	15.4	2.279	262	4.1	.667	367	5.9	.471	423	19.3	1.387
152	14.9	2.214	264	18.1	2.625	368	5.8	.464	424	19.1	1.375
154	11.8	1.796	266	12.9	1.946	369	3.6	.294	425	22.3	1.569
156	10.1	1.557	268	14.5	2.160	370	3.0	.246	426	22.2	1.564
158	23.5	3.280	270	19.8	2.836	371	2.2	.182	427	34.9	2.258
160	17.9	2.600	272	14.8	2.200	372	2.9	.238	428	37.1	2.367
162	13.7	2.053	274	13.2	1.987	373	3.2	.262	429	39.9	2.502
164	15.9	2.344	276	15.8	2.331	374	11.6	.884	430	22.4	1.575
166	13.8	2.067	278	19.1	2.750	375	21.0	1.491	431	28.8	1.938
168	16.9	2.472	280	20.1	2.872	376	14.1	1.053	432	39.3	2.474
170	16.1	2.370	282	13.2	1.987	377	29.4	1.971	433	20.1	1.436
172	15.7	2.318	284	13.2	1.987	378	19.1	1.375	434	14.1	1.053
174	16.0	2.357	286	13.7	2.053	379	20.6	1.466	435	28.1	1.900
176	14.0	2.094	288	13.3	2.000	380	14.1	1.053	436	38.1	2.416
178	13.8	2.067	290	16.9	2.472	381	21.9	1.546	437	15.9	1.172
180	15.5	2.292	292	13.2	1.987	382	22.2	1.564	438	17.6	1.281
182	18.0	2.612	294	13.3	2.000	383	37.8	2.401	439	19.1	1.376
184	17.7	2.574	296	11.0	1.684	384	21.9	1.546	440	40.3	2.520
186	27.2	3.702	298	20.8	2.957	385	35.3	2.278	441	42.3	2.613
188	22.3	3.139	300	13.8	2.067	386	41.7	2.585	442	36.1	2.318
190	24.6	1.704	302	10.4	1.599	387	31.5	2.082	443	29.0	1.949
192	17.2	2.510	304	14.8	2.200	388	25.5	1.756	444	31.3	2.072
194	12.6	1.906	306	22.4	3.151	389	21.4	1.515	445	41.0	2.553
196	15.2	2.253	308	9.2	1.429	390	14.1	1.053	446	35.5	2.288
198	12.2	1.851	310	12.1	1.838	391	23.3	1.628	447	22.5	1.581
200	9.8	1.514	312	11.3	1.726	392	21.6	1.527	448	14.7	1.094
202	26.8	3.658	314	19.7	2.823	393	13.8	1.033	449	13.6	1.020
204	15.3	2.266	316	13.6	2.040	394	18.2	1.319	450	18.7	1.350
206	10.5	1.614	318	15.1	2.240	395	13.4	1.001	451	8.6	.671
208	11.0	1.684	320	15.0	2.227	396	8.7	.679	452	17.8	1.293
210	13.1	1.973	322	19.1	2.750	397	11.7	.891	453	4.7	.380
212	8.5	1.328	324	18.3	2.650	398 ^{2/}	7.4	.583	454	5.9	.471
214	10.2	1.571	326	27.0	3.680	399	12.1	.919	455	13.8	1.033
216	9.8	1.514	328	15.6	2.305	400	14.4	1.080	456	8.2	.642
218	18.1	2.625	330	11.5	1.754	401	46.3	2.789	457	10.4	.800
220	9.9	1.528	332	11.5	1.754	402	27.9	1.890	458	15.4	1.140
222	11.7	1.782	334	15.7	2.318	403	23.3	1.628	459	9.2	.747
224	8.7	1.357	336	12.4	1.878	404	25.1	1.733	460	16.7	2.446
226	25.5	3.512	338	12.1	1.838	405	23.9	1.664	462	3.7	.603
228	10.3	1.585	340	9.0	1.401	406	21.4	1.515	464	4.4	.713
230	10.0	1.543	342	15.3	2.266	407	34.5	2.238	466	11.6	1.768
232	9.4	1.458	344	11.6	1.768	408	40.0	2.507	468	16.1	2.370
234	25.6	3.523	346	27.8	3.768	409	57.6	3.239	470	-	-
236	10.6	1.628	348	20.4	2.909	410	58.1	3.257			
238	11.6	1.768	350	21.8	3.079	411	71.5	3.699			

^{1/} Starting depth of sample below surface (elevation, 8,585.7 feet).^{2/} Mahogany marker at depth of 398 feet (elevation, 8,187.7 feet).

TABLE 6. - Corehole D, Bureau of Mines, SW1/4SW1/4SW1/4 sec. 11, T. 5 S., R. 95 W.,
Garfield County, Colo.

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
0	6.6	1.048	65.0	10.3	0.793	129.0	15.5	1.146	193.0	13.4	1.007
2.0	6.7	.531	66.0	9.5	.736	130.0	16.7	1.223	194.0	16.2	1.191
3.0	3.6	.293	67.0	8.6	.671	131.0	16.9	1.236	195.0	11.3	.863
4.0	2.4	.198	68.0	8.3	.650	132.0	21.3	1.509	196.0	10.7	.821
5.0	5.5	.441	69.0	8.3	.650	133.0	16.5	1.210	197.0	9.2	.715
6.0	5.7	.456	70.0	7.8	.613	134.0	14.2	1.060	198.0	7.9	.620
7.0	4.5	.364	71.0	12.3	.932	135.0	15.4	1.139	199.0	29.1	1.954
8.0	.6	.050	72.0	11.5	.877	136.0	16.0	1.178	200.0	22.4	1.575
9.0	2.6	.214	73.0	9.3	.722	137.0	17.1	1.248	201.0	14.3	1.067
10.0	6.8	.539	74.0	11.2	.856	138.0	17.0	1.242	202.0	11.1	.849
11.0	5.7	.456	75.0	14.1	1.053	139.0	17.2	1.255	203.0	10.0	.771
12.0	7.0	.554	76.0	13.4	1.007	140.0	15.3	1.133	204.0	12.5	.946
13.0	4.2	.341	77.0	7.2	.569	141.0	14.0	1.047	205.0	12.9	.973
14.0	4.6	.372	78.0	6.5	.516	142.0	17.5	1.274	206.0	11.0	.842
15.0	.1	.008	79.0	5.2	.418	143.0	18.4	1.331	207.0	9.9	.764
16.0	Missing	-	80.0	5.6	.449	144.0	14.3	1.067	208.0	28.9	1.944
17.0	2.5	.206	81.0	6.3	.501	145.0	16.4	1.204	209.0	39.3	2.474
18.0	2.9	.238	82.0	7.3	.576	146.0	15.4	1.140	210.0	21.3	1.509
19.0	2.3	.190	83.0	8.1	.635	147.0	16.7	1.223	211.0	14.3	1.067
20.0	Missing	-	84.0	7.1	.561	148.0	14.8	1.100	212.0	12.3	.932
21.0	4.4	.356	85.0	10.2	.786	149.0	15.5	1.146	213.0	11.0	.842
22.0	7.1	.561	86.0	10.1	.778	150.0	16.3	1.198	214.0	9.6	.743
23.0	5.1	.411	87.0	10.4	.800	151.0	15.4	1.140	215.0	8.9	.693
24.0	7.0	.554	88.0	18.0	1.306	152.0	15.9	1.172	216.0	10.0	.771
25.0	17.8	1.293	89.0	19.6	1.406	153.0	15.2	1.127	217.0	22.9	1.605
26.0	23.8	1.658	90.0	19.3	1.387	154.0	14.9	1.107	218.0	36.4	2.333
27.0	8.5	.664	91.0	16.3	1.198	155.0	16.1	1.185	219.0	26.3	1.801
28.0	1.6	.133	92.0	8.4	.657	156.0	16.2	1.191	220.0	14.7	1.094
29.0	1.4	.116	93.0	8.9	.693	157.0	16.4	1.204	221.0	11.4	.870
30.0	.0	.000	94.0	8.5	.664	158.0	18.7	1.350	222.0	11.0	.842
31.0	4.5	.364	95.0	11.2	.856	159.0	20.3	1.448	223.0	13.4	1.007
32.0	3.5	.286	96.0	12.1	.919	160.0	18.9	1.363	224.0	15.5	1.146
33.0	4.5	.364	97.0	12.0	.912	161.0	16.4	1.204	225.0	18.4	1.331
34.0	1.9	.157	98.0	8.8	.686	162.0	19.2	1.381	226.0	37.0	2.362
35.0	7.4	.583	99.0	11.6	.884	163.0	35.5	2.288	227.0	40.8	2.543
36.0	7.2	.569	100.0	18.3	1.325	164.0	24.5	1.698	228.0	14.2	1.060
37.0	8.8	.686	101.0	14.1	1.053	165.0	21.2	1.503	229.0	12.1	.919
38.0	.0	.000	102.0	11.7	.891	166.0	24.2	1.681	230.0	11.6	.884
39.0	2.0	.166	103.0	8.8	.686	167.0	26.2	1.795	231.0	10.6	.814
40.0	1.5	.125	104.0	6.7	.531	168.0	19.7	1.412	232.0	10.6	.814
41.0	.0	.000	105.0	22.9	1.604	169.0	16.2	1.191	233.0	9.3	.722
42.0	.3	.025	106.0	24.5	1.698	170.0	14.2	1.060	234.0	8.6	.671
43.0	4.5	.364	107.0	12.7	.960	171.0	11.1	.849	235.0	11.5	.877
44.0	3.8	.310	108.0	8.9	.693	172.0	12.1	.919	236.0	14.1	1.053
45.0	6.2	.494	109.0	8.5	.664	173.0	13.3	1.000	237.0	17.4	1.268
46.0	8.1	.635	110.0	8.6	.671	174.0	17.9	1.300	238.0	15.2	1.127
47.0	15.1	1.120	111.0	9.2	.715	175.0	8.8	.686	239.0	12.9	.973
48.0	13.1	.987	112.0	11.3	.863	176.0	10.1	.778	240.0	12.5	.946
49.0	Missing	-	113.0	21.3	1.616	177.0	11.0	.842	241.0	12.1	.919
50.0	.6	.050	114.0	28.6	1.927	178.0	10.1	.778	242.0	11.5	.877
51.0	.3	.025	115.0	13.8	1.033	179.0	12.7	.960	243.0	13.2	.993
52.0	.0	.000	116.0	12.6	.953	180.0	17.0	1.242	244.0	15.0	1.114
53.0	6.5	.516	117.0	11.0	.842	181.0	32.4	2.129	245.0	20.3	1.448
54.0	3.1	.254	118.0	13.2	.993	182.0	20.6	1.466	246.0	40.3	2.520
55.0	7.0	.554	119.0	11.9	.905	183.0	14.0	1.047	247.0	27.5	1.868
56.0	6.9	.546	120.0	16.3	1.198	184.0	12.3	.932	248.0	13.6	1.020
57.0	4.7	.380	121.0	24.9	1.722	185.0	11.2	.856	249.0	13.5	1.013
58.0	4.3	.349	122.0	16.5	1.210	186.0	9.9	.764	250.0	15.0	1.114
59.0	7.5	.591	123.0	13.3	1.000	187.0	10.4	.800	251.0	13.9	1.040
60.0	23.6	1.646	124.0	12.6	.953	188.0	15.5	1.146	252.0	10.0	.771
61.0	11.7	.891	125.0	12.0	.912	189.0	19.7	1.412	253.0	13.5	1.013
62.0	11.5	.877	126.0	13.9	1.040	190.0	8.6	.671	254.0	29.4	1.971
63.0	10.3	.793	127.0	14.7	1.094	191.0	6.2	.494	255.0	14.2	1.060
64.0	9.4	.729	128.0	16.0	1.178	192.0	10.2	.786	256.0	13.2	.993

^{1/} Starting depth of sample below surface (elevation, 7,804.6 feet).

TABLE 6. - Corehole D, Bureau of Mines, SW1/4SW1/4SW1/4 sec. 11, T. 5 S., R. 95 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
257.0	12.7	0.960	321.0	17.4	1.268	385.0	2.2	0.182	449.0	26.9	1.829
258.0	10.6	.814	322.0	21.8	1.540	386.0	4.6	.372	450.0	29.9	1.998
259.0	15.0	1.114	323.0	20.0	1.430	387.0	13.4	1.001	451.0	49.8	2.935
260.0	18.1	1.312	324.0	20.6	1.466	388.0	24.8	1.716	452.0	51.2	2.992
261.0	18.2	1.319	325.0	20.8	1.479	389.0	24.2	1.681	453.0	23.5	1.640
262.0	17.5	1.274	326.0	21.6	1.527	390.0	30.2	2.014	454.0	26.0	1.784
263.0	13.7	1.027	327.0	33.7	2.197	392.0	33.1	2.166	455.0	21.3	1.509
264.0	14.7	1.094	328.0	32.3	2.123	393.0	19.1	1.375	456.0	21.1	1.497
265.0	13.0	.980	329.0	22.2	1.564	394.0	21.9	1.546	457.0	30.0	2.004
266.0	12.2	.926	330.0	20.6	1.466	395.0	12.2	.926	458.0	41.5	2.576
267.0	11.8	.898	331.0	15.5	1.146	395.0	18.4	1.331	459.0	26.6	1.818
268.0	13.4	1.007	332.0	16.1	1.185	396.0	25.3	1.744	460.0	17.6	1.281
269.0	24.6	1.704	333.0	14.1	1.053	397.0	33.8	2.202	461.0	16.7	1.223
270.0	19.9	1.424	334.0	13.5	1.027	398.0	20.6	1.466	462.0	23.2	1.622
271.0	13.0	.980	335.0	12.3	.932	399.0	23.7	1.652	463.0	40.5	2.530
272.0	11.4	.870	336.0	12.3	.932	400.0	25.4	1.750	464.0	40.6	2.534
273.0	12.0	.912	337.0	13.6	1.020	401.0	38.0	2.411	465.0	29.2	1.960
274.0	12.0	.912	338.0	17.6	1.281	402.0	40.4	2.525	466.0	27.0	1.840
275.0	12.8	.966	339.0	17.7	1.287	403.0	36.2	2.323	467.0	Missing	-
276.0	12.6	.953	340.0	20.1	1.436	404.0	30.0	2.004	468.0	31.7	2.092
277.0	12.1	.919	341.0	18.1	1.312	405.0	26.4	1.807	469.0	Missing	-
278.0	15.8	1.776	342.0	12.6	.953	406.0	18.2	1.319	470.0	33.2	2.171
279.0	12.7	.960	343.0	10.1	.778	407.0	14.3	1.067	471.0	33.7	2.197
280.0	13.4	1.007	344.0	11.8	.898	408.0	21.9	1.546	472.0	38.2	2.421
281.0	13.5	1.013	345.0	11.3	.863	409.0	24.2	1.681	473.0	46.0	2.776
282.0	11.6	.884	346.0	8.0	.628	410.0	14.8	1.100	474.0	47.6	2.844
283.0	11.5	.877	347.0	11.3	.863	411.0	16.5	1.210	475.0	34.3	2.228
284.0	10.5	.807	348.0	19.1	1.375	412.02/	11.9	.905	476.0	Missing	-
285.0	12.1	.919	349.0	21.2	1.503	413.0	11.4	.870	477.0	32.9	2.155
286.0	13.7	1.027	350.0	20.7	1.473	414.0	11.0	.842	478.0	32.9	2.155
287.0	10.0	.771	351.0	15.4	1.393	415.0	9.6	.743	479.0	21.5	1.521
288.0	14.9	1.107	352.0	15.7	1.159	416.0	11.0	.842	480.0	20.0	1.430
289.0	17.9	1.300	353.0	13.0	.980	417.0	34.1	2.217	481.0	16.5	1.210
290.0	10.5	.807	354.0	22.1	1.558	418.0	36.3	2.328	482.0	16.7	1.223
291.0	10.9	.835	355.0	41.8	2.590	419.0	22.3	1.569	483.0	22.9	1.605
292.0	10.4	.800	356.0	29.4	1.971	420.0	21.8	1.540	484.0	19.5	1.400
293.0	15.9	1.172	357.0	17.5	1.274	421.0	31.9	2.102	485.0	18.8	1.356
294.0	15.0	1.114	358.0	25.4	1.750	422.0	38.6	2.440	486.0	13.9	1.040
295.0	17.3	1.262	359.0	17.5	1.274	423.0	57.2	3.224	487.0	14.5	1.080
296.0	18.7	1.350	360.0	14.9	1.107	424.0	50.8	2.976	488.0	12.2	.926
297.0	12.7	.960	361.0	17.0	1.242	425.0	51.1	2.988	489.0	11.3	.863
298.0	11.1	.849	362.0	18.0	1.306	426.0	80.4	3.945	490.0	16.7	1.223
299.0	8.7	.679	363.0	15.9	1.172	427.0	66.4	3.541	491.0	12.3	.932
300.0	7.9	.620	364.0	16.6	1.217	428.0	59.0	3.289	492.0	21.3	1.509
301.0	10.8	.828	365.0	17.0	1.242	429.0	51.7	3.012	493.0	10.2	.786
302.0	22.4	1.575	366.0	16.4	1.204	430.0	49.4	2.918	494.0	13.0	.912
303.0	27.9	1.890	367.0	21.2	1.503	431.0	47.8	2.852	495.0	32.9	2.155
304.0	24.6	1.704	368.0	34.6	2.243	432.0	27.0	1.840	496.0	21.9	1.546
305.0	18.2	1.319	369.0	30.8	2.046	433.0	25.9	1.778	497.0	17.7	1.287
306.0	14.4	1.074	370.0	17.9	1.300	434.0	31.4	2.077	498.0	12.9	.973
307.0	12.6	.953	371.0	17.8	1.293	435.0	39.0	2.460	499.0	25.9	1.778
308.0	11.7	.891	372.0	21.5	1.521	436.0	47.1	2.823	500.0	41.1	2.557
309.0	12.1	.919	373.0	43.5	2.668	437.0	47.0	2.819	501.0	32.2	2.118
310.0	10.2	.786	374.0	24.9	1.710	438.0	29.2	1.960	502.0	17.6	1.281
311.0	9.8	.757	375.0	11.8	.898	439.0	26.3	1.801	503.0	14.1	1.053
312.0	13.2	.993	376.0	7.5	.591	440.0	22.3	1.569	504.0	14.1	1.053
313.0	17.5	1.274	377.0	6.3	.501	441.0	22.6	1.587	505.0	11.2	.856
314.0	12.8	.966	378.0	5.4	.433	442.0	24.6	1.704	506.0	16.4	1.204
315.0	13.0	.980	379.0	7.0	.554	443.0	26.2	1.795	507.0	20.3	1.448
316.0	13.5	1.013	380.0	10.3	.793	444.0	25.5	1.756	508.0	30.8	2.046
317.0	13.9	1.040	381.0	4.8	.388	445.0	24.7	1.710	509.0	29.1	1.954
318.0	14.1	1.053	382.0	1.8	.149	446.0	24.8	1.716	510.0	22.4	1.575
319.0	17.4	1.268	383.0	1.8	.149	447.0	42.7	2.641	511.0	23.0	1.610
320.0	15.3	1.132	384.0	2.4	.198	448.0	37.2	2.372	512.0	37.0	2.362

See footnotes at end of table.

TABLE 6. - Corehole D, Bureau of Mines, SW1/4SW1/4SW1/4 sec. 11, T. 5 S., R. 95 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
513.0	20.6	1.466	559.0	15.0	1.114	609.0	7.1	0.561	655.0	17.8	1.293
514.0	15.9	1.172	560.0	14.9	1.091	610.0	6.1	.486	656.0	10.0	.771
515.0	16.3	1.198	561.0	24.9	1.722	611.0	10.1	.778	657.0	5.9	.471
516.0	15.7	1.158	562.0	48.5	2.880	612.0	9.0	.700	658.0	3.9	.317
517.0	12.1	.918	563.0	43.5	2.668	613.0	13.1	.987	659.0	10.7	.821
518.0	12.9	.973	564.0	40.0	2.506	614.0	21.6	1.527	660.0	18.6	1.344
519.0	10.2	.786	565.0	27.5	1.868	615.0	28.8	1.938	661.0	9.6	.743
520.0	9.4	.729	566.0	12.8	.966	616.0	28.7	1.933	662.0	Missing	-
521.0	1.4	.116	567.0	17.7	1.287	617.0	46.4	2.793	663.0	10.5	.807
522.0	1.3	.108	568.0	11.9	.905	618.0	25.7	1.767	664.0	2.3	.190
523.0	2.0	.166	569.0	Missing	-	619.0	14.6	1.087	665.0	5.2	.418
524.0	4.8	.388	570.0	21.5	1.521	620.0	20.8	1.479	666.0	3.7	.302
525.0	2.2	.100	571.0	16.9	1.236	621.0	18.5	1.337	667.0	1.4	.116
526.0	2.5	.206	572.0	11.3	.863	622.0	18.3	1.325	668.0	1.6	.133
527.0	9.3	.722	573.0	Missing	-	623.0	17.4	1.268	669.0	4.3	.349
528.0	4.5	.364	578.0	16.3	1.198	624.0	19.7	1.412	670.0	11.4	.870
529.0	4.8	.388	579.0	20.1	1.436	625.0	10.1	.778	671.0	28.0	1.895
530.0	3.3	.270	580.0	14.2	1.060	626.0	15.4	1.140	672.0	37.0	2.362
531.0	3.6	.294	581.0	13.1	.987	627.0	10.4	.800	673.0	35.1	2.268
532.0	2.9	.238	582.0	16.4	1.204	628.0	18.8	1.356	674.0	12.9	.973
533.0	4.2	.341	583.0	16.6	1.217	629.0	20.1	1.436	675.0	2.8	.230
534.0	5.7	.456	584.0	33.0	2.160	630.0	7.8	.613	676.0	3.3	.270
535.0	6.6	.524	585.0	17.4	1.268	631.0	9.1	.708	677.0	4.8	.388
536.0	12.1	.919	586.0	11.9	.905	632.0	17.6	1.281	678.0	7.2	.569
537.0	16.3	1.198	587.0	15.2	1.127	633.0	27.7	1.878	679.0	9.4	.729
538.0	20.8	1.478	588.0	18.7	1.350	634.0	22.7	1.652	680.0	1.8	.149
539.0	14.3	1.067	589.0	13.7	1.027	635.0	21.1	1.497	681.0	2.0	.166
540.0	5.1	.411	590.0	15.2	1.127	636.0	20.6	1.466	682.0	4.2	.341
541.0	2.1	.174	591.0	16.4	1.204	637.0	36.0	2.313	683.0	9.1	.708
542.0	3.3	.270	592.0	21.1	1.497	638.0	14.0	1.047	684.0	Missing	-
543.0	2.7	.222	593.0	20.6	1.466	639.0	10.4	.800	686.0	10.6	.814
544.0	2.9	.238	594.0	23.3	1.628	640.0	8.4	.657	687.0	15.4	1.139
545.0	3.0	.246	595.0	31.7	2.092	641.0	6.5	.516	688.0	12.2	.926
546.0	3.3	.270	596.0	28.0	1.895	642.0	3.3	.270	689.0	9.9	.764
547.0	3.3	.270	597.0	16.0	1.178	643.0	4.2	.341	690.0	5.7	.456
548.0	3.4	.278	598.0	11.8	.898	644.0	3.7	.302	691.0	4.7	.380
549.0	3.8	.310	599.0	Missing	-	645.0	3.1	.254	692.0	4.1	.333
550.0	2.4	.198	600.0	13.4	1.006	646.0	3.4	.278	693.0	2.7	.222
551.0	2.5	.206	601.0	18.3	1.325	647.0	4.4	.356	694.0	.8	.067
552.0	2.7	.222	602.0	14.3	1.067	648.0	9.8	.757	695.0	.0	.000
553.0	8.4	.657	603.0	36.5	2.338	649.0	11.5	.877	696.0	.3	.025
554.0	3.5	.286	604.0	37.2	2.372	650.0	4.3	.349	697.0	1.0	.084
555.0	32.4	2.128	605.0	27.3	1.857	651.0	4.3	.349	698.0	.6	.050
556.0	19.8	1.418	606.0	21.5	1.521	652.0	25.2	1.739	699.0	1.1	.092
557.0	29.9	1.998	607.0	31.9	2.102	653.0	26.0	1.784	700.0	.7	.012
558.0	31.1	2.062	608.0	24.6	1.704	654.0	22.9	1.605	700.2	-	-

1/ Starting depth of sample below surface (elevation, 7,804.6 feet).

2/ Mahogany marker at depth of 412 feet (elevation, 7,392.6 feet).

TABLE 7. - Corehole D-5, Bureau of Mines, 900 ft. E. and 1,360 ft. N. of SW corner,
sec. 12, T. 6 S., R. 95 W., Garfield County, Colo. (See fig. 3)

0.0	21.4	1.010	7.7	19.6	1.406	15.7	5.6	.449	23.7	3.5	.286
.7	14.5	1.080	8.7	18.5	1.338	16.7	12.5	.946	24.7	5.4	.433
1.7	14.5	1.080	9.7	22.4	1.575	17.7	5.5	.441	25.7	16.8	1.230
2.7	15.4	1.140	10.7	27.1	1.846	18.7	6.6	.524	26.7	15.6	1.152
3.7	15.7	1.159	11.7	11.0	.842	19.7	5.8	.464	27.7	15.4	1.140
4.7	16.1	1.185	12.7	7.0	.554	20.7	3.8	.310	28.7	18.9	1.363
5.7	18.1	1.312	13.7	6.2	.494	21.7	3.2	.262	29.7	18.3	1.325
6.7	39.3	2.474	14.7	5.2	.418	22.7	3.0	.246	30.7	14.2	1.060

1/ Starting depth of sample below surface (elevation, 8,275.5 feet).

TABLE 7. - Corehole D-5, Bureau of Mines, 900 ft. E. and 1,360 ft. N. of SW corner, sec. 12, T. 6 S., R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
31.7	16.9	1.236	52.1	51.0	1.989	72.7	18.4	1.331	93.7	46.3	2.789
32.7	13.6	1.020	52.8	28.0	1.737	73.7	18.4	1.331	94.7	37.7	2.396
33.7	21.4	1.515	53.7	24.7	1.710	74.7	19.1	1.375	95.7	22.1	1.558
34.7	34.2	2.222	54.7	31.3	2.072	75.7	31.6	2.087	96.7	13.9	1.040
35.7	25.5	1.756	55.7	19.7	1.412	76.7	44.3	2.703	97.7	15.6	1.152
36.7	28.1	1.900	56.7	27.0	1.840	77.7	54.9	3.136	98.7	20.1	1.436
37.7	39.3	2.474	57.7	33.1	2.166	78.7	32.5	2.134	99.7	10.5	.807
38.7	39.4	2.479	58.7	56.4	3.194	79.7	28.7	1.933	100.7	8.1	.635
39.7	24.8	1.716	59.7	44.1	2.695	80.7	41.0	2.553	101.7	5.4	.433
40.7	25.4	1.750	60.7	77.2	3.858	81.7	22.2	1.564	102.7	9.1	.708
41.7	18.4	1.331	61.7	70.1	3.657	82.7	17.0	1.242	103.7	9.3	.722
42.7	14.7	1.094	62.7	53.1	3.066	83.7	17.2	1.255	104.7	11.0	.842
43.7	27.8	1.884	63.7	43.4	2.663	84.7	42.6	2.627	105.7	14.6	1.087
44.7	17.4	1.268	64.7	54.0	3.102	85.7	19.9	1.424	106.7	14.4	1.074
45.7	16.0	1.178	65.7	45.2	2.742	86.7	20.9	1.485	107.7	13.6	1.020
46.7	14.6	1.087	66.7	26.0	1.784	87.7	18.4	1.331	108.7	12.9	.973
47.7 ^{2/}	9.6	.743	67.7	21.9	1.546	88.7	28.4	1.916	109.7	6.9	.546
48.7	12.0	.912	68.7	28.4	1.916	89.7	43.3	2.659	110.7	3.5	.286
49.7	8.4	.492	69.7	30.3	2.020	90.7	43.0	2.645	111.7	3.2	.109
50.4	12.7	.800	70.7	46.9	2.815	91.7	32.8	2.150	112.1	-	-
51.2	14.4	.895	71.7	18.9	1.363	92.7	29.3	1.965			

^{1/} Starting depth of sample below surface (elevation, 8,275.5 feet).

^{2/} Mahogany marker at depth of 47.7 feet (elevation, 8,227.8 feet).

TABLE 8. - Corehole E, Bureau of Mines, SW1/4SW1/4NW1/4 sec. 2, T. 5 S., R. 95 W., Garfield County, Colo.

150	16.0	5.893	310	16.6	6.084	470	16.2	5.956	525	12.6	0.953
155	6.9	2.732	315	9.9	3.821	475	20.1	7.180	526	8.5	.664
160	7.9	3.102	320	19.1	6.876	480	24.8	8.579	527	12.2	.926
165	8.1	3.175	325	15.2	5.633	485	17.3	6.308	528	20.3	1.448
170	8.3	3.248	330	17.9	6.499	490	7.1	2.806	529	42.8	2.636
175	9.3	3.609	335	11.0	4.211	495	5.5	1.764	530	31.3	2.072
180	5.8	2.319	340	13.0	4.560	499	16.7	1.223	531	23.0	1.611
185	9.1	3.538	345	24.2	1.681	500	15.0	1.114	532	24.3	1.687
190	12.4	4.696	350	12.3	4.662	501	13.5	1.013	533	27.1	1.846
195	8.6	3.357	355	15.0	5.568	502	13.7	1.027	534	34.2	2.222
200	11.3	4.316	360	14.9	5.535	503	21.6	1.527	535	32.7	2.145
205	12.7	4.798	365	13.6	5.100	504	21.7	1.533	536	49.3	2.914
210	8.6	3.357	370	16.1	5.924	505	20.9	1.485	537	47.2	2.827
215	16.2	5.956	375	11.6	4.421	506	17.3	1.261	538	68.5	3.608
220	16.1	5.924	380	13.4	5.033	507	16.1	1.185	539	79.0	3.910
225	12.0	4.560	385	11.0	4.211	508	22.3	1.569	540	62.3	3.405
230	16.2	5.956	390	11.9	4.526	509	20.2	1.442	541	55.7	3.167
235	15.0	5.568	395	18.1	6.563	510	29.8	1.993	542	47.8	2.852
240	15.3	5.665	400	13.1	4.933	511	24.8	1.716	543	50.3	2.956
245	15.1	5.600	405	18.4	6.657	512	38.4	2.430	544	30.7	2.041
250	14.8	5.501	410	13.6	5.100	513	34.9	2.258	545	50.8	2.976
255	15.5	5.730	415	12.2	4.628	514	48.1	2.864	546	53.1	3.066
260	20.0	7.150	420	13.9	5.200	515	34.8	2.253	547	27.0	1.840
265	27.6	9.365	425	21.1	7.485	516	16.6	1.217	548	29.4	1.971
270	18.9	6.814	430	24.5	1.698	517	24.7	1.710	549	42.0	2.600
275	13.9	5.200	435	19.0	6.846	518	16.4	1.204	550	50.0	2.944
280	11.5	4.386	440	12.5	4.730	519	15.6	1.152	551	48.0	2.860
285	19.6	7.028	445	14.4	8.771	520	26.2	1.790	552	45.3	2.746
290	12.6	4.764	450	11.5	4.386	521	17.6	1.281	553	58.0	3.253
295	8.9	3.466	455	17.1	6.244	522	16.1	1.185	554	55.6	3.163
300	16.3	5.988	460	14.2	5.300	523	13.8	1.033	555	53.1	3.066
305	10.7	4.105	465	16.4	6.020	524 ^{2/}	9.7	.750	556	46.2	2.785

See footnotes at end of table.

TABLE 8. - Corehole E, Bureau of Mines, SW1/4SW1/4NW1/4 sec. 2, T. 5 S., R. 95 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
557	41.7	2.585	600	11.9	4.526	725	22.9	8.024	850	7.8	3.064
558	29.1	1.954	605	20.7	7.363	730	30.2	10.072	855	11.5	4.386
559	29.8	1.993	610	26.1	8.949	735	17.4	6.340	860	17.4	6.340
560	27.8	1.884	615	15.8	5.828	740	18.8	6.783	865	19.6	7.028
561	41.7	2.585	620	25.7	8.836	745	13.8	5.167	870	23.1	8.082
562	56.9	3.213	625	14.5	5.401	750	27.0	9.201	875	11.7	4.456
563	50.3	2.956	630	12.9	4.866	755	10.5	4.034	880	8.3	3.248
564	24.6	1.704	635	11.3	4.316	760	6.4	2.545	885	10.4	3.999
565	25.6	1.761	640	4.2	1.704	765	25.6	8.808	890	8.1	3.175
566	24.9	1.722	645	7.1	2.806	770	20.7	7.363	895	9.2	3.574
567	27.6	1.873	650	2.0	.828	775	5.3	2.130	900	15.0	5.568
568	38.3	2.426	655	3.4	1.390	780	28.7	9.664	905	2.1	.869
569	35.3	2.278	660	3.1	1.272	785	8.4	3.284	910	7.2	2.843
570	25.6	1.762	665	25.1	8.665	790	7.6	2.991	915	3.7	1.508
571	19.1	1.375	670	32.2	10.591	795	11.6	4.421	920	1.3	.542
572	19.1	1.375	675	33.8	11.010	800	3.7	1.508	925	4.3	1.743
573	23.2	1.622	680	16.9	6.180	805	1.2	.501	930	7.5	2.954
574	25.7	1.767	685	12.9	4.662	810	2.7	1.111	935	6.4	2.545
575	42.5	2.622	690	19.8	7.120	815	4.4	1.782	940	2.6	1.070
576	34.3	2.228	695	17.8	6.467	820	8.7	3.393	945	8.1	3.175
577	28.4	5.750	700	19.6	7.028	825	10.3	4.034	950	7.5	2.954
580	36.4	11.664	705	25.1	10.059	830	2.1	.869	955	7.5	2.954
585	29.5	9.882	710	22.1	7.788	835	2.4	.990	960	2.9	1.192
590	21.4	7.576	715	32.3	10.617	840	16.9	6.180	965	8.2	3.211
595	14.9	5.535	720	15.0	5.568	845	11.7	4.456	970	-	-

1/ Starting depth of sample below surface (elevation, 7,851.2 feet).

2/ Mahogany marker at depth of 524 feet (elevation, 7,327.2 feet).

TABLE 9. - Corehole F, Bureau of Mines, NE1/4SE1/4SE1/4 sec. 6, T. 5 S., R. 94 W.,
Garfield County, Colo.

240	4.2	1.704	385	14.8	5.501	530	14.7	1.094	615	37.1	2.362
245	12.1	4.594	390	11.2	4.281	535	17.3	6.308	616	32.9	2.155
250	8.7	3.393	395	8.2	3.211	540	20.4	7.272	617	25.8	1.773
255	10.8	4.140	400	15.8	5.828	545	10.6	4.069	618	24.3	1.687
260	8.3	3.248	405	9.9	3.821	550	14.2	5.301	619	20.4	1.454
265	8.0	3.138	410	16.7	5.795	555	10.5	4.034	620	13.9	1.040
270	8.4	3.284	415	10.5	4.034	560	16.0	5.893	621	17.9	1.300
275	5.8	2.319	420	21.7	7.667	565	17.1	6.244	622	25.4	1.750
280	10.6	4.069	425	15.1	5.601	570	17.1	6.244	623	19.3	1.387
285	10.4	3.999	430	17.8	6.467	575	17.2	6.276	624	11.4	.870
290	9.6	3.715	435	13.8	5.167	580	22.7	7.965	625	17.0	1.242
295	12.1	4.594	440	12.7	4.798	585	13.3	5.100	626	10.7	.821
300	12.4	4.696	445	13.6	5.100	590	7.6	2.990	627 2/	9.7	.750
305	7.3	2.880	450	21.7	7.667	595	8.1	3.138	628	10.9	.835
310	15.3	5.666	455	12.5	4.730	600	11.2	.856	629	10.3	.793
315	11.7	4.456	460	12.7	4.798	601	20.1	1.436	630	12.8	.966
320	11.6	4.421	465	15.7	5.795	602	10.3	.793	631	16.4	1.204
325	13.2	4.966	470	12.7	4.798	603	22.8	1.599	632	41.1	2.557
330	16.7	6.116	475	14.8	5.501	604	36.2	2.323	633	23.9	1.664
335	9.2	3.574	480	11.0	4.211	605	20.1	1.436	634	22.0	1.552
340	14.0	5.014	485	12.3	4.662	606	18.9	1.363	635	22.5	1.581
345	12.6	4.764	490	10.4	3.999	607	14.6	1.087	636	26.5	1.812
350	14.2	5.301	495	12.3	4.662	608	16.3	1.198	637	32.4	2.129
355	13.9	5.201	500	13.5	5.067	609	22.0	1.552	638	31.0	2.057
360	17.6	6.404	505	12.2	4.628	610	22.3	1.569	639	63.6	3.450
365	24.6	8.521	510	12.8	4.832	611	16.2	1.191	640	68.6	3.611
370	20.7	7.363	515	13.0	4.900	612	29.4	1.971	641	45.3	2.746
375	12.5	4.730	520	14.4	5.368	613	23.8	1.658	642	75.2	3.805
380	11.3	4.316	525	13.6	5.100	614	36.5	2.338	643	56.5	3.198

See footnotes at end of table.

TABLE 9. - Corehole F, Bureau of Mines, NE1/4SE1/4 sec. 6, T. 5 S., R. 94 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
644	56.7	3.206	657	31.5	2.082	670	37.1	2.367	683	44.0	2.690
645	42.3	2.613	658	26.3	1.801	671	36.3	2.328	684	31.3	2.072
646	47.5	2.840	659	28.2	1.906	672	18.8	1.356	685	28.1	1.900
647	33.4	2.181	660	25.9	1.778	673	16.3	1.198	686	18.8	5.426
648	29.8	1.993	661	33.8	2.202	674	24.1	1.670	690	15.7	11.591
649	24.4	1.693	662	42.9	2.641	675	15.6	1.152	700	13.7	10.267
650	33.0	2.160	663	30.4	2.025	676	22.3	1.569	710	14.6	10.869
651	42.1	2.604	664	24.6	1.704	677	31.6	2.087	720	9.0	7.005
652	53.4	3.078	665	32.2	2.118	678	41.2	2.562	730	7.8	2.303
653	41.7	2.585	666	44.0	2.690	679	32.3	2.123	740	2.7	2.222
654	36.7	2.347	667	32.8	2.150	680	28.7	1.933	750	-	-
655	50.5	2.964	668	23.6	1.646	681	30.3	2.020			
656	27.3	1.857	669	22.3	1.569	682	36.0	2.313			

^{1/} Starting depth of sample below surface (elevation, 8,129.9 feet).

^{2/} Mahogany marker at depth of 627 feet (elevation, 7,502.9 feet).

TABLE 10. - Corehole G, Bureau of Mines, NW1/4SW1/4NE1/4 sec. 3, T. 5 S., R. 94 W.,
Garfield County, Colo.

425	9.5	3.679	445 ^{2/}	10.2	3.928	460	27.1	9.228	475	14.3	5.334
430	13.0	4.900	450	10.6	4.069	465	22.9	8.024	480	16.4	6.020
435	17.7	6.436	455	17.3	6.308	470	12.5	4.730	485	-	-
440	17.8	6.467									

^{1/} Starting depth of sample below surface (elevation, 8,795 feet).

^{2/} Mahogany marker at depth of 446 feet (elevation, 8,349 feet).

TABLE 11. - Corehole H, Bureau of Mines, SE1/4SE1/4NW1/4 sec. 23, T. 5 S., R. 95 W.,
Garfield County, Colo.

120	1.7	0.706	245	2.4	0.990	370	13.5	5.067	495	12.3	4.662
125	3.6	1.469	250	9.2	3.574	375	11.8	4.490	500	16.5	6.052
130	4.0	1.626	255	11.6	4.421	380	18.1	6.563	505	16.3	5.988
135	6.0	2.394	260	13.5	5.067	385	12.5	4.730	510	13.4	5.033
140	3.5	1.430	265	11.7	4.456	390	9.2	3.574	515	17.6	6.404
145	11.1	4.246	270	9.3	3.609	395	17.4	6.340	520	24.4	8.463
150	10.2	3.928	275	9.3	3.609	400	11.1	4.246	525	16.6	6.084
155	12.5	4.730	280	8.3	3.248	405	21.4	7.576	530	15.3	5.666
160	12.7	4.798	285	13.9	5.200	410	10.2	3.928	535	13.0	4.900
165	10.1	2.894	290	7.8	3.064	415	18.9	6.814	540	16.0	5.893
170	2.1	.869	295	12.4	4.696	420	22.9	8.024	545	14.6	5.435
175	4.2	1.704	300	16.8	6.148	425	15.2	5.633	550	24.0	8.348
180	12.4	4.696	305	11.4	4.351	430	12.3	4.662	555	24.3	8.434
185	15.8	5.828	310	16.1	5.924	435	13.8	5.167	560	21.7	7.667
190	8.0	3.138	315	17.2	6.276	440	19.0	6.846	565	15.3	5.666
195	9.9	3.821	320	15.1	5.601	445	14.0	5.238	570	7.2	2.843
200	8.0	3.138	325	16.1	5.924	450	15.4	5.698	575	5.0	2.016
205	7.0	2.769	330	17.5	6.372	455	15.8	5.830	580	21.1	1.497
210	5.4	2.167	335	16.5	6.052	460	14.7	5.468	581	14.5	1.067
215	5.3	2.130	340	17.0	6.212	465	15.6	5.763	582	34.3	2.228
220	6.8	2.694	345	16.4	6.020	470	13.3	5.000	583	31.4	2.077
225	6.8	2.694	350	15.5	5.730	475	12.9	4.866	584	20.1	1.436
230	5.9	2.357	355	20.2	7.211	480	12.0	4.560	585	18.6	1.344
235	7.3	2.880	360	26.2	8.977	485	14.2	5.301	586	13.5	1.013
240	6.0	2.395	365	16.5	6.052	490	16.2	5.956	587	16.9	1.236

^{1/} Starting depth of sample below surface (elevation, 9,015.4 feet).

TABLE 11. - Corehole H, Bureau of Mines, SE1/4SE1/4NW1/4 sec. 23, T. 5 S., R. 95 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
588	24.2	1.681	616	44.9	2.729	644	24.5	1.698	672	11.7	0.891
589	29.1	1.954	617	78.3	3.891	645	25.5	1.756	673	10.1	.778
590	24.7	1.710	618	64.4	3.476	646	18.3	1.325	674	10.9	.835
591	23.5	1.640	619	52.5	3.043	647	37.1	2.367	675	21.6	1.527
592	38.4	2.430	620	48.6	2.884	648	35.3	2.278	676	20.9	1.485
593	43.6	2.672	621	52.3	3.035	649	21.2	1.503	677	7.8	.613
594	34.9	2.258	622	42.5	2.622	650	15.0	1.114	678	9.2	.715
595	29.3	1.965	623	27.3	1.857	651	18.5	1.338	679	16.0	1.178
596	25.6	1.762	624	25.2	1.739	652	17.3	1.262	680	19.2	14.117
597	22.4	1.575	625	39.6	2.488	653	39.1	2.464	690	18.2	13.188
598	15.4	1.140	626	33.4	2.181	654	40.4	2.525	700	13.1	9.866
599	25.2	1.739	627	39.3	2.469	655	33.8	2.202	710	3.7	3.016
600	22.7	1.593	628	44.6	2.716	656	26.1	1.790	720	2.1	1.737
601	15.7	1.159	629	28.0	1.895	657	30.9	2.051	730	4.0	3.253
602	14.6	1.087	630	24.1	1.675	658	27.6	1.873	740	26.8	18.290
603 ^{2/}	9.0	.700	631	20.9	1.485	659	34.4	2.233	750	16.3	11.977
604	11.2	.824	632	30.1	2.009	660	39.7	2.493	760	16.2	11.913
605	9.4	.729	633	49.2	2.909	661	45.3	2.746	770	22.3	15.694
606	12.0	.912	634	52.9	3.059	662	44.3	2.703	780	27.6	18.730
607	40.2	2.516	635	49.4	2.918	663	28.0	1.895	790	11.7	8.911
608	36.0	2.313	636	46.9	2.815	664	32.4	2.129	800	23.5	16.401
609	24.3	1.687	637	37.6	2.391	665	24.5	1.698	810	14.9	11.070
610	26.1	1.790	638	26.5	1.812	666	16.4	1.204	820	9.7	7.501
611	25.1	1.733	639	28.1	1.900	667	14.2	1.060	830	7.8	6.129
612	36.5	2.338	640	28.6	1.927	668	15.4	1.140	840	23.2	4.867
613	30.5	2.030	641	41.0	2.553	669	25.3	1.744	843	-	-
614	41.8	2.590	642	37.8	2.401	670	25.5	1.756			
615	67.2	3.567	643	21.9	1.546	671	15.1	1.120			

^{1/} Starting depth of sample below surface (elevation, 8,015.4 feet).^{2/} Mahogany marker at depth of 603.5 feet (elevation, 7,411.9 feet).TABLE 12. - Corehole I, Bureau of Mines, NW1/4SE1/4NW1/4 sec. 20, T. 5 S., R. 94 W.,
Garfield County, Colo.

135	3.3	1.351	260	8.7	3.393	385	21.9	7.728	510	15.7	5.795
140	5.6	2.243	265	12.8	4.832	390	13.1	4.933	515	13.5	5.067
145	7.8	3.064	270	8.5	3.320	395	25.3	8.722	520	21.3	7.546
150	9.7	3.750	275	11.8	4.490	400	9.2	3.573	525	18.9	6.814
155	7.5	2.954	280	13.6	5.100	405	14.1	5.267	530	24.8	8.379
160	9.4	3.644	285	9.0	3.502	410	22.1	7.788	535	12.6	4.764
165	5.7	2.281	290	16.0	5.892	415	13.5	5.067	540	8.6	3.357
170	13.2	4.966	295	18.3	6.626	420	23.0	8.053	545	3.6	1.469
175	8.5	3.320	300	12.1	4.594	425	14.5	5.401	550	14.2	1.060
180	8.3	3.248	305	15.9	5.860	430	15.0	5.568	551	27.5	1.868
185	7.3	2.880	310	15.5	5.730	435	15.8	5.828	552	18.8	1.356
190	15.1	5.601	315	14.9	5.535	440	14.2	5.301	553	21.0	1.491
195	6.8	2.694	320	15.6	5.762	445	13.2	4.966	554	26.2	1.795
200	6.5	2.582	325	15.3	5.666	450	13.4	5.134	555	19.2	1.381
205	3.9	1.587	330	17.8	6.467	455	10.8	4.140	556	14.3	1.067
210	1.6	.419	335	23.4	8.171	460	27.9	9.448	557	18.2	1.319
215	3.5	1.430	340	22.4	7.876	465	13.1	4.933	558	23.1	1.616
220	2.0	.828	345	13.0	4.900	470	18.6	6.720	559	26.1	1.790
225	Trace	.042	350	12.6	4.764	475	14.7	5.468	560	22.2	1.564
230	4.4	1.782	355	17.2	6.276	480	14.5	5.401	561	19.8	1.418
235	13.3	5.000	360	10.7	4.105	485	15.8	5.828	562	19.8	1.418
240	11.6	4.421	365	8.7	3.393	490	20.4	7.272	563	16.2	1.191
245	8.2	3.211	370	11.5	4.386	495	16.3	5.988	564	36.9	2.357
250	9.6	3.715	375	13.0	4.900	500	12.3	4.662	565	40.9	2.548
255	10.6	4.069	380	13.2	4.966	505	12.2	4.628	566	27.8	1.884

^{1/} Starting depth of sample below surface (elevation, 8,465 feet).

TABLE 12. - Corehole I, Bureau of Mines, NW1/4SE1/4NW1/4 sec. 20, T. 5 S., R. 94 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
567	26.5	1.812	592	62.1	3.398	617	35.8	2.303	642	11.0	0.842
568	24.3	1.687	593	51.8	3.016	618	35.3	2.278	643	11.8	.898
569	15.2	1.127	594	37.9	2.406	619	15.8	1.166	644	18.2	1.319
570	17.4	1.268	595	53.9	3.098	620	15.6	1.152	645	15.4	1.140
571	28.0	1.895	596	48.7	2.889	621	24.3	1.687	646	18.7	1.350
572	19.9	1.424	597	31.5	2.082	622	21.5	1.509	647	23.6	1.646
573	14.1	1.053	598	27.1	1.846	623	38.4	2.430	648	18.7	1.350
574	15.1	1.223	599	24.7	1.710	624	42.8	2.636	649	14.7	1.094
575 2/	14.1	1.053	600	36.9	2.357	625	40.8	2.543	650	19.6	1.406
576	13.4	1.007	601	41.4	2.557	626	34.0	2.212	651	33.3	2.176
577	9.3	.722	602	44.1	2.694	627	31.5	2.082	652	17.6	1.281
578	11.9	.905	603	52.9	3.059	628	27.9	1.890	653	12.5	.946
579	11.6	.884	604	54.6	3.125	629	37.2	2.372	654	13.3	1.000
580	37.1	2.367	605	53.5	3.082	630	45.2	2.742	655	12.6	.953
581	36.1	2.318	606	50.1	2.948	631	43.7	2.677	656	12.0	.912
582	25.3	1.744	607	47.2	2.827	632	27.9	1.889	657	13.0	.980
583	25.8	1.773	608	41.2	2.562	633	29.0	1.949	658	25.9	1.778
584	26.4	1.807	609	24.3	1.687	634	21.2	1.503	659	23.9	1.664
585	24.0	1.670	610	23.3	1.658	635	14.9	1.107	660	16.6	1.223
586	33.0	2.160	611	28.8	1.938	636	11.5	.877	661	9.0	6.305
587	32.8	2.140	612	42.5	2.622	637	20.7	1.473	670	5.8	4.638
588	61.5	3.378	613	23.3	1.628	638	26.6	1.818	680	-	-
589	36.4	2.333	614	24.5	1.698	639	20.6	1.466			
590	68.6	3.611	615	18.5	1.338	640	14.3	1.067			
591	71.7	3.705	616	16.8	1.230	641	13.1	.987			

1/ Starting depth of sample below surface (elevation, 8,465 feet).

2/ Mahogany marker at depth of 575 feet (elevation, 7,890 feet).

TABLE 13. - Corehole J, Bureau of Mines, SW1/4NW1/4NW1/4 sec. 24, T. 5 S., R. 94 W., Garfield County, Colo.

554	1.3	0.108	572 2/	12.4	0.939	590	21.7	1.533	608	12.4	0.939
555	1.0	.084	573	21.9	1.546	591	22.3	1.569	609	12.0	.912
556	2.3	.190	574	19.0	1.369	592	36.4	2.333	610	12.1	.919
557	1.8	.149	575	9.6	.743	593	62.0	3.395	611	14.5	1.080
558	4.6	.372	576	15.9	1.172	594	45.7	2.763	612	25.5	1.756
559	12.5	.946	577	24.4	1.693	595	26.6	1.819	613	18.4	1.331
560	16.4	1.198	578	21.6	1.527	596	20.4	1.454	614	18.2	1.319
561	8.7	.679	579	9.2	.715	597	27.2	1.851	615	18.8	1.356
562	17.7	1.287	580	13.7	1.027	598	24.0	1.670	616	11.2	.856
563	26.2	1.795	581	15.1	1.120	599	14.6	1.087	617	9.5	.736
564	17.9	1.300	582	10.9	.835	600	23.9	1.664	618	8.2	.642
565	16.3	1.198	583	8.4	.657	601	45.5	2.755	619	13.5	1.013
566	12.0	.912	584	9.6	.743	602	25.1	1.733	620	6.8	.539
567	10.8	.828	585	8.0	.628	603	9.3	.722	621	4.0	.325
568	7.9	.620	586	9.5	.736	604	14.7	1.094	622	2.8	.691
569	9.9	.764	587	22.9	1.605	605	12.3	.932	625	-	-
570	20.5	1.460	588	20.9	1.485	606	12.3	.932			
571	17.8	1.293	589	16.7	1.223	607	11.0	.842			

1/ Starting depth of sample below surface (elevation, 9,069.7 feet).

2/ Mahogany marker at depth of 579 feet (elevation, 8,490.7 feet).

TABLE 14. - Corehole K, Bureau of Mines, SW1/4SW1/4SW1/4 sec. 5, T. 6 S., R. 95 W.,
Garfield County, Colo.

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
220	4.8	1.938	495	9.2	3.574	690	21.1	1.497	745	28.8	1.938
225	12.3	4.662	500	19.4	6.967	691	17.7	1.287	746	29.1	1.954
230	2.6	1.071	505	10.8	4.140	692	11.7	.891	747	35.6	2.293
235	3.8	1.548	510	15.4	5.698	693	10.7	.821	748	43.9	2.686
240	7.7	3.028	515	15.4	5.698	694 ^{2/}	9.0	.701	749	39.2	2.469
245	13.9	5.201	520	20.7	7.363	695	12.7	.960	750	26.4	1.807
250	7.0	2.769	525	26.9	9.173	696	22.4	1.575	751	31.9	2.102
255	8.6	3.357	530	12.2	4.628	697	48.1	2.864	752	18.8	1.356
260	11.0	4.211	535	13.1	4.933	698	27.2	1.851	753	16.8	1.230
265	11.0	4.211	540	15.7	5.795	699	29.0	1.949	754	14.7	1.094
270	8.5	3.320	545	18.1	6.563	700	28.2	1.906	755	22.8	1.599
275	5.0	2.016	550	18.6	6.720	701	33.9	2.207	756	26.5	1.812
280	7.0	2.769	555	14.1	5.267	702	37.1	2.367	757	14.0	1.047
285	15.3	5.666	560	17.7	6.436	703	34.9	2.258	758	14.7	1.094
290	7.5	2.954	565	13.0	4.900	704	49.8	2.935	759	8.5	.664
295	10.1	3.892	570	12.0	4.560	705	61.8	3.338	760	8.6	.671
300	13.3	5.000	575	16.1	5.893	706	65.4	3.509	761	17.7	1.287
305	14.1	5.267	580	14.4	5.368	707	71.1	3.687	762	28.1	1.900
310	11.5	4.386	585	12.8	4.832	708	54.5	3.121	763	13.0	.980
315	10.4	3.999	590	16.1	5.924	709	43.5	2.668	764	5.9	.471
320	7.1	2.806	595	16.7	6.116	710	72.1	3.717	765	11.1	.849
325	16.4	6.020	600	12.7	4.798	711	47.5	2.840	766	41.6	2.581
330	7.8	3.064	605	17.9	6.499	712	27.7	1.878	767	25.4	1.750
335	10.3	3.963	610	16.1	5.924	713	34.3	2.228	768	13.3	1.000
340	8.0	3.138	615	18.1	6.563	714	11.3	.863	769	12.2	.926
345	13.5	5.067	620	21.5	7.606	715	21.1	1.497	770	23.3	1.628
350	6.6	2.620	625	12.8	4.832	716	26.5	1.812	771	45.3	2.746
355	6.4	2.545	630	13.3	5.000	717	31.7	2.092	772	18.0	1.306
360	7.0	2.769	635	13.9	5.201	718	40.7	2.539	773	12.1	.919
365	9.9	3.821	640	14.3	5.334	719	28.4	1.916	774	9.8	.757
370	13.4	5.033	645	20.1	7.180	720	25.5	1.756	775	6.2	.494
375	6.7	2.657	650	21.8	7.698	721	20.6	1.466	776	14.0	1.047
380	13.2	4.966	655	20.7	7.363	722	24.9	1.722	777	25.7	1.767
385	8.4	3.284	660	7.0	2.769	723	30.8	2.046	778	26.7	1.823
390	9.4	3.644	665	4.6	1.860	724	48.0	2.860	779	19.0	1.369
395	7.1	2.806	670	15.2	1.127	725	48.8	2.893	780	24.4	1.693
400	10.7	4.105	671	17.5	1.274	726	44.6	2.716	781	13.8	1.033
405	14.2	5.301	672	16.3	1.198	727	38.0	2.410	782	12.0	.912
410	9.3	3.609	673	36.9	2.357	728	25.1	1.733	783	10.4	.800
415	11.1	4.246	674	29.5	1.976	729	25.4	1.750	784	7.1	.708
420	13.7	5.134	675	20.7	1.473	730	38.0	2.411	785	8.4	.657
425	14.0	5.014	676	17.7	1.287	731	40.8	2.543	786	6.9	.546
430	17.0	6.212	677	14.7	1.094	732	21.2	1.503	787	12.8	.966
435	15.3	5.666	678	19.4	1.393	733	23.4	1.634	788	9.3	.722
440	13.9	5.201	679	21.5	1.521	734	23.6	1.646	789	16.4	1.204
445	15.5	5.730	680	24.5	1.698	735	21.2	1.503	790	12.9	.973
450	16.0	5.529	681	24.4	1.693	736	40.0	2.506	791	8.2	.642
455	15.3	5.666	682	40.0	2.507	737	26.7	1.823	792	8.9	.693
460	16.2	5.956	683	30.6	2.036	738	14.8	1.100	793	5.4	.433
465	22.4	7.876	684	41.1	2.557	739	20.4	1.454	794	5.2	.418
470	20.7	7.363	685	30.1	2.009	740	23.4	1.634	795	3.2	.262
475	14.2	5.301	686	25.3	1.744	741	39.2	2.469	796	1.9	.157
480	11.0	4.211	687	18.9	1.363	742	31.8	2.097	797	-	-
485	19.1	6.876	688	14.2	1.060	743	21.2	1.503			
490	11.6	4.421	689	26.4	1.806	744	33.1	2.166			

1/ Starting depth of sample below surface (elevation, 8,211 feet).

2/ Mahogany marker at depth of 693 feet (elevation, 7,518 feet).

TABLE 15. - Corehole L, Bureau of Mines, NE1/4SW1/4NW1/4 sec. 22, T. 5 S., R. 94 W.,
Garfield County, Colo.

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
200	6.5	2.582	385	12.5	4.730	544	20.1	1.436	581	27.9	1.890
205	13.7	5.134	390	20.7	7.363	545	20.3	1.448	582	28.2	1.906
210	9.4	3.644	395	15.0	5.568	546	32.7	2.145	583	32.4	2.129
215	12.1	4.594	400	11.2	4.281	547	23.2	1.622	584	34.1	2.217
220	7.9	3.102	405	13.1	4.933	548	29.4	1.971	585	41.8	2.590
225	8.9	3.466	410	15.0	5.568	549	32.2	2.118	586	30.8	2.046
230	6.2	2.470	415	14.2	5.301	550	31.6	2.087	587	21.4	1.515
235	8.2	3.211	420	14.9	5.535	551	26.8	1.829	588	20.0	1.430
240	13.8	5.167	425	12.3	4.662	552	24.0	1.670	589	29.0	1.949
245	8.6	3.357	430	12.5	4.730	553	24.9	1.722	590	35.2	2.273
250	11.3	4.316	435	13.4	5.033	554	18.0	1.306	591	47.6	2.844
255	13.4	5.033	440	13.5	5.067	555	12.8	.966	592	49.8	2.935
260	7.7	3.028	445	14.7	5.468	556	23.4	1.634	593	35.0	2.263
265	13.4	5.033	450	12.1	4.594	557	24.8	1.716	594	23.6	1.646
270	14.7	5.468	455	14.2	5.301	558	19.5	1.400	595	22.9	1.605
275	11.1	4.246	460	14.0	5.234	559	11.6	.884	596	25.7	1.767
280	13.6	5.100	465	11.4	4.351	560	19.5	1.400	597	21.9	1.546
285	14.5	5.401	470	16.2	5.956	561	11.5	.877	598	18.1	1.312
290	13.6	5.100	475	22.0	7.759	562 2/	9.7	.750	599	28.9	1.944
295	14.1	5.267	480	12.5	4.730	563	11.9	.905	600	29.4	1.971
300	14.4	5.368	485	13.4	5.033	564	11.8	.898	601	17.7	1.287
305	13.6	5.100	490	9.7	3.751	565	9.6	.743	602	12.3	.932
310	16.4	5.122	495	15.2	5.633	566	20.8	1.479	603	14.4	1.074
315	22.7	7.965	500	17.3	6.308	567	24.1	1.675	604	21.3	1.509
320	22.4	7.876	505	14.4	5.368	568	14.2	1.060	605	20.9	1.485
325	12.5	4.730	510	21.8	7.698	569	33.6	2.192	606	21.0	1.491
330	11.4	4.351	515	18.8	6.783	570	27.8	1.884	607	40.8	2.543
335	13.7	5.134	520	8.3	3.248	571	21.8	1.539	608	38.7	2.445
340	11.1	4.246	525	6.6	2.620	572	38.6	2.440	609	29.3	1.965
345	8.1	4.351	530	3.1	1.271	573	41.5	2.576	610	28.1	1.900
350	11.0	4.211	535	12.2	2.777	574	48.0	2.860	611	41.5	2.576
355	8.9	3.466	538	17.8	1.293	575	44.0	2.690	612	30.2	2.014
360	16.1	5.924	539	31.4	2.077	576	78.1	3.886	613	16.6	1.217
365	10.1	3.892	540	24.9	1.722	577	54.1	3.105	614	11.9	5.431
370	15.2	5.633	541	20.8	1.479	578	43.8	2.681	620	9.5	4.416
375	21.7	7.667	542	18.8	1.356	579	48.7	2.888	630	-	-
380	8.2	3.211	543	14.0	1.047	580	32.8	2.150			

1/ Starting depth of sample below surface (elevation, 8,665.0 feet).

2/ Mahogany marker at depth of 562 feet (elevation, 8,103.0 feet).

TABLE 16. - Corehole M, Bureau of Mines, NE1/4SE1/4NE1/4 sec. 22, T. 5 S., R. 94 W.,
Garfield County, Colo.

190	6.3	2.507	270	12.6	4.764	350	10.6	4.069	430	12.9	4.865
195	7.2	2.843	275	15.7	5.795	355	12.0	4.560	435	14.4	5.368
200	14.9	5.535	280	22.7	7.965	360	19.5	6.998	440	16.9	6.180
205	7.5	2.954	285	21.0	7.454	365	8.2	3.211	445	19.0	6.846
210	9.9	3.821	290	11.9	4.526	370	14.1	5.267	450	10.6	4.069
215	10.3	3.963	295	9.6	3.724	375	14.4	5.368	455	12.4	4.696
220	12.6	4.764	300	13.8	5.167	380	11.7	4.456	460	10.1	3.892
225	10.9	4.176	305	10.8	4.140	385	15.2	5.633	465	17.8	6.467
230	11.5	4.386	310	7.3	2.880	390	11.2	4.281	470	19.9	7.120
235	15.7	5.795	315	14.0	5.234	395	12.9	4.866	475	13.8	5.167
240	10.4	3.999	320	9.3	3.609	400	11.7	4.456	480	22.0	7.759
245	14.1	5.267	325	15.5	5.730	405	11.0	4.211	485	17.0	6.212
250	13.0	4.900	330	9.7	3.751	410	13.9	5.201	490	5.5	2.205
255	12.5	4.730	335	15.4	5.698	415	5.4	3.644	495	5.4	2.167
260	13.9	5.201	340	21.0	7.454	420	16.8	6.148	500	2.9	1.192
265	13.8	5.167	345	9.4	3.644	425	11.0	4.211	505	19.1	6.876

1/ Starting depth of sample below surface (elevation, 8,757.3 feet).

TABLE 16. - Corehole M, Bureau of Mines, NE1/4SE1/4NE1/4 sec. 22, T. 5 S., R. 94 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
510	21.4	7.576	529	11.5	0.877	547	49.7	2.931	565	12.2	0.926
512	15.4	1.140	530 ^{2/}	10.1	.778	548	39.6	2.488	566	14.9	1.107
513	13.6	1.020	531	11.5	.877	549	25.2	1.739	567	24.9	1.722
514	20.1	1.436	532	9.3	.722	550	22.0	1.552	568	40.0	2.507
515	15.7	1.159	533	14.0	1.047	551	23.2	1.522	569	36.4	2.333
516	29.5	1.976	534	28.1	1.900	552	44.3	2.703	570	24.9	1.722
517	23.9	1.664	535	34.1	2.217	553	29.6	1.982	571	26.1	1.790
518	30.5	2.030	536	22.7	1.593	554	42.3	2.613	572	27.8	1.884
519	30.8	2.046	537	23.2	1.622	555	45.9	2.772	573	14.8	1.100
520	28.8	1.938	538	25.7	1.767	556	51.5	3.004	574	11.0	.842
521	24.5	1.698	539	30.7	2.041	557	36.8	2.352	575	10.1	.778
522	23.8	1.658	540	39.7	2.493	558	27.3	1.857	576	15.7	1.159
523	18.8	1.356	541	42.5	2.622	559	17.8	1.293	577	11.6	.884
524	13.3	1.000	542	47.5	2.840	560	29.1	1.954	578	6.2	.494
525	25.5	1.756	543	57.7	3.242	561	19.7	1.412	579	-	-
526	22.0	1.552	544	68.7	3.614	562	15.9	1.172			
527	14.4	1.074	545	53.3	3.074	563	12.9	.973			
528	17.3	1.262	546	46.6	2.802	564	14.7	1.094			

1/ Starting depth of sample below surface (elevation, 8,757.3 feet).

2/ Mahogany marker at depth of 530 feet (elevation, 8,227.3 feet).

TABLE 17. - Cascade corehole 1, Cities Service Oil Co., SW1/4SW1/4NW1/4 sec. 10, T.
6 S., R. 97 W., Garfield County, Colo.

65.0	11.1	4.246	232.0	12.7	3.934	360.7	13.0	1.470	480.0	11.2	0.856
70.0	12.6	4.764	236.1	24.3	4.048	362.2	16.8	.984	481.0	14.2	1.060
75.0	3.7	1.508	238.5	9.9	3.821	363.0	17.8	4.139	482.0	33.4	2.181
80.0	5.3	2.130	243.5	22.1	3.115	366.2	18.8	2.442	483.0	33.7	2.197
85.0	5.9	2.357	245.5	18.7	6.886	368.0	13.3	1.600	484.0	21.8	1.540
90.0	Missing		250.6	15.3	6.119	369.6	17.0	5.466	485.0	24.3	1.687
95.0	7.9	3.102	256.0	18.6	6.720	374.0	13.4	4.731	486.0	28.6	1.930
100.0	13.1	4.933	261.0	17.6	6.405	378.7	13.3	4.600	487.0	43.0	2.645
105.0	9.2	3.574	266.0	16.8	6.148	383.3	13.7	4.826	488.0	31.2	2.067
110.0	Missing		271.0	15.4	6.838	388.0	12.6	1.715	489.0	61.7	3.385
115.0	do.		277.0	18.2	7.122	389.8	20.2	5.048	490.0	41.2	2.562
120.0	10.7	4.105	282.4	29.7	2.782	393.3	12.8	3.382	491.0	69.4	3.636
125.0	5.9	2.357	283.8	20.3	3.476	396.8	16.8	9.837	492.0	67.4	3.573
130.0	14.5	5.401	286.2	17.2	9.288	404.8	22.5	1.581	493.0	54.1	3.105
135.0	13.3	5.000	293.6	17.0	2.360	405.8	15.2	4.506	494.0	39.7	2.493
140.0	22.6	7.935	295.5	11.0	2.695	409.8	17.4	7.861	495.0	48.8	2.893
145.0	7.0	2.769	298.7	30.2	3.022	416.0	15.9	7.032	496.0	38.8	2.450
150.0	11.2	6.593	300.2	12.7	3.742	422.0	Missing		497.0	21.0	1.491
157.7	10.3	1.030	304.1	11.1	.934	428.0	do.		498.0	33.4	2.181
159.0	8.1	4.953	305.2	12.3	6.061	431.7	17.4	4.057	499.0	51.3	2.996
166.8	24.8	4.804	311.7	9.8	.530	434.9	14.2	3.180	500.0	22.7	1.593
169.6	10.8	4.472	312.4	31.4	2.492	437.9	33.1	3.032	501.0	20.0	1.430
175.0	6.1	2.432	313.6	11.6	6.543	439.3	15.5	8.252	502.0	25.5	1.756
180.0	6.4	2.138	321.0	22.9	3.370	446.5	36.5	2.104	503.0	47.9	2.856
184.2	11.7	6.327	323.1	11.6	4.332	447.4	15.8	2.681	504.0	42.8	2.636
191.3	7.5	2.776	328.0	26.4	3.252	449.7	28.6	2.891	505.0	47.3	2.831
196.0	14.5	5.401	329.8	13.5	3.547	451.2	7.7	5.813	506.0	43.5	2.668
201.0	10.1	6.228	333.3	32.7	4.289	460.8	31.4	3.739	507.0	25.8	1.773
209.0	11.5	2.895	335.3	13.6	3.468	462.6	20.4	6.254	508.0	27.9	1.890
212.3	6.7	.827	338.7	9.9	2.522	466.9	29.1	6.645	509.0	42.6	2.627
214.0	10.3	1.744	342.0	14.7	5.796	470.3	39.4	3.718	510.0	21.2	1.503
216.2	16.0	8.250	347.3	22.4	7.561	471.8	22.0	9.466	511.0	20.1	1.436
223.2	9.0	3.362	352.1	12.8	5.122	477.9	10.3	.872	512.0	25.0	1.727
228.0	12.4	3.757	357.4	18.8	4.477	479.0 ^{2/}	13.6	1.020	513.0	38.3	2.426

1/ Starting elevation of sample below surface (elevation, 8,141.6 feet).

2/ Mahogany marker at depth of 479 feet (elevation, 7,662.6 feet).

TABLE 17. - Cascade corehole 1, Cities Service Oil Co., SW1/4SW1/4 sec. 10, T. 6 S., R. 97 W., Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
514.0	18.8	1.356	524.0	12.7	0.864	555.0	11.5	6.842	601.0	Missing	
515.0	17.3	1.262	524.9	13.1	4.045	562.8	4.5	1.967	633.1	9.2	1.215
516.0	23.7	1.652	529.0	34.0	18.141	568.2	1.2	.551	634.8	4.1	1.732
517.0	23.7	1.652	537.2	Missing		573.7	1.6	.718	640.0	18.1	3.150
518.0	26.4	1.807	539.5	37.6	2.152	579.1	4.4	1.925	642.4	3.3	1.945
519.0	18.0	1.306	540.4	20.3	6.372	584.5	31.7	3.557	649.6	27.0	8.097
520.0	15.6	1.152	544.8	42.5	3.409	586.2	16.1	2.725	654.0	-	-
521.0	18.7	1.350	546.1	9.7	2.925	588.5	31.3	4.558			
522.0	28.0	1.895	550.0	30.6	4.071	590.7	12.5	4.549			
523.0	13.9	1.040	552.0	18.0	3.919	595.5	10.1	4.282			

^{1/} Starting elevation of sample below surface (elevation, 8,141.6 feet).

TABLE 18. - Corehole 1, Continental Oil Co., 115 ft. NSL, 2,350 ft. WEL of sec. 1, T. 7 S., R. 99 W., Garfield County, Colo. (See fig. 4)

306.5	6.1	0.486	382.4	10.8	8.860	485.0	18.9	8.858	509.0	29.5	1.976
307.5	9.9	1.452	393.1	27.8	2.072	491.5 ^{2/}	16.0	.589	510.0	41.7	2.585
309.4	21.1	1.796	394.2	11.5	3.333	492.0	11.6	2.918	511.0	23.3	1.628
310.6	10.5	5.970	398.0	43.6	1.336	495.3	36.9	3.772	512.0	24.3	1.687
318.0	28.2	2.859	398.5	10.1	3.503	496.9	19.9	1.566	513.0	16.7	1.223
319.5	12.3	12.681	403.0	16.1	.592	498.0	22.5	1.581	514.0	24.9	1.722
333.1	18.8	3.934	403.5	13.1	11.346	499.0	38.9	2.455	515.0	16.5	3.752
336.0	14.3	9.602	415.0	13.2	19.866	500.0	45.4	2.750	518.1	27.4	8.007
345.0	15.0	13.336	435.0	13.5	6.790	501.0	48.4	2.876	522.4	10.8	5.962
357.0	24.8	7.035	441.7	1.5	.237	502.0	67.9	3.589	529.6	23.9	2.080
361.1	15.3	6.119	443.6	12.9	13.430	503.0	51.3	2.996	530.8	12.4	1.409
366.5	16.5	.605	457.4	30.2	1.209	504.0	41.4	2.571	532.4	39.8	1.873
367.0	10.7	2.791	458.0	8.2	6.101	505.0	31.8	2.097	533.1	10.3	1.982
370.4	16.4	3.131	467.5	33.3	1.523	506.0	22.0	1.552	535.6	2.8	.299
373.0	10.1	6.734	468.2	8.3	4.417	507.0	38.5	2.435	536.9	24.0	1.670
381.6	29.0	1.462	475.0	19.7	14.117	508.0	16.5	1.210	537.9	-	-

^{1/} Starting depth of sample below surface (elevation, approximately 8,045 feet).

^{2/} Mahogany marker at depth of 491.5 feet (elevation, approximately 7,553.5 feet).

TABLE 19. - Corehole 2, Continental Oil Co., 850 feet S. of township line, on section line between secs. 3 and 4, T. 7 S., R. 99 W., Garfield County, Colo. (See fig. 5)

159.6	12.3	16.225	234.4	10.3	2.853	293.0	14.1	0.527	387.0	12.1	1.378
177.0	10.7	1.478	238.0	9.9	7.643	293.5	14.4	10.199	388.5	12.2	.463
178.8	12.1	10.952	248.0	10.6	2.604	303.0	11.9	16.473	389.0	31.7	16.738
189.9	43.7	.803	251.2	23.6	2.798	321.2	11.0	1.516	397.0	11.2	2.140
190.2	18.2	.791	252.9	10.5	2.178	323.0	12.8	5.798	399.5	14.3	.320
190.8	43.4	1.598	255.6	45.7	1.105	329.0	29.6	.396	399.8	30.6	3.053
191.4	8.7	12.895	256.0	9.9	1.528	329.2	12.7	7.485	401.3	15.4	.798
210.4	24.1	2.513	258.0	10.4	7.997	337.0	11.4	8.702	402.0	32.5	18.779
211.9	8.4	4.007	268.0	14.3	5.334	347.0	13.8	4.547	410.8	8.9	.693
218.0	7.1	3.816	273.0	14.8	5.061	351.4	13.3	5.600	411.8	20.4	11.635
224.8	28.3	2.676	277.6	17.5	1.784	357.0	13.2	9.933	419.8	11.2	6.850
226.2	7.7	3.391	279.0	14.3	4.267	367.0	11.0	8.422	427.8 ^{2/}	35.4	2.740
231.8	39.1	1.232	283.0	16.5	3.752	377.0	14.7	2.734	429.0	19.8	1.418
232.3	12.9	1.654	286.1	23.9	6.488	379.5	Missing	-	430.0	20.2	1.442
234.0	11.3	.345	290.0	12.9	2.919	381.2	.8	.389	431.0	26.8	1.829

^{1/} Starting depth of sample below surface (elevation, 8,080 feet).

^{2/} Mahogany marker at depth of 424 feet (elevation, 7,656 feet).

TABLE 19. - Corehole 2, Continental Oil Co., 850 feet S. of township line, on section line between secs. 3 and 4, T. 7 S., R. 99 W., Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
432.0	38.8	2.450	441.0	32.6	2.139	450.0	13.4	1.007	459.0	15.1	2.016
433.0	45.7	2.763	442.0	16.4	1.204	451.0	14.5	1.080	460.8	8.3	1.494
434.0	48.4	2.876	443.0	34.0	2.212	452.0	22.2	1.564	463.1	16.8	2.828
435.0	66.1	3.531	444.0	39.4	2.479	453.0	37.0	2.362	465.4	6.4	.814
436.0	57.9	3.250	445.0	20.9	1.784	454.0	22.4	1.575	467.0	18.7	1.080
437.0	39.2	2.469	446.0	23.2	1.622	455.0	28.5	1.922	467.8	9.5	2.355
438.0	47.3	2.831	447.0	17.7	1.287	456.0	30.5	2.030	471.0	29.1	.977
439.0	20.3	1.448	448.0	17.4	1.268	457.0	21.0	1.491	471.5	-	-
440.0	25.1	1.733	449.0	38.1	2.416	458.0	12.5	.946			

^{1/} Starting depth of sample below surface (elevation, 8,080 feet).

TABLE 20. - Whatley corehole 3, Continental Oil Co., 290 ft. N. of S. line, 520 ft. W. of E. line, sec. 36, T. 6 S., R. 100 W., Garfield County, Colo. (See fig. 6)

342.4	20.2	1.875	415.0	12.2	2.777	494.5	21.6	1.527	509.5	18.0	1.306
343.7	12.0	1.824	418.0	13.2	9.933	495.5	17.5	1.274	510.5	19.4	1.393
345.7	34.9	2.258	428.0	11.0	9.264	496.5	24.9	1.722	511.5	19.2	1.381
346.7	12.4	1.221	439.0	15.8	1.049	497.5	37.2	2.372	512.5	13.0	.980
348.0	14.2	10.602	439.9	2.3	.323	498.5	37.6	2.391	513.5	27.2	1.851
358.0	14.8	5.722	441.5	11.2	11.816	499.5	64.3	3.473	514.5	33.8	2.202
363.2	15.4	7.294	455.3	25.1	1.733	500.5	50.6	2.968	515.5	21.7	1.533
369.6	17.2	10.543	456.3	15.1	7.169	501.5	38.9	2.455	516.5	25.0	1.727
378.0	13.0	4.802	462.7	29.8	2.391	502.5	32.0	2.108	517.5	17.9	1.300
382.9	16.6	.852	463.9	7.4	2.975	503.5	22.0	1.552	518.5	12.1	.919
383.6	8.7	2.986	469.0	6.4	3.461	504.5	32.2	2.118	519.5	11.2	.428
388.0	11.2	8.562	475.8	26.0	2.141	505.5	15.6	1.152	520.0	-	-
398.0	12.4	9.392	477.0	21.2	8.417	506.5	34.1	2.217			
408.0	13.3	5.100	482.6 ^{2/}	15.8	12.704	507.5	25.1	1.733			
413.1	10.8	1.573	493.5	19.4	1.393	508.5	19.1	1.375			

^{1/} Starting depth of sample below surface (elevation, 8,120 feet).^{2/} Mahogany marker at depth of 489.5 feet (elevation, 7,630.5 feet).

TABLE 21. - Corehole 1A, Gulf Oil Corp., NW1/4SE1/4SW1/4 sec. 10, T. 8 S., R. 95 W., Garfield County, Colo. (See fig. 7)

235	14.5	5.401	334	13.9	5.201	398	5.2	0.418	416	2.6	0.214
240	14.1	5.267	339	11.2	4.281	399	6.4	.509	417	2.1	.174
245	13.2	4.966	344	13.9	5.200	400	15.7	1.159	418	2.2	.182
250	13.8	5.167	349	12.4	4.696	401	32.9	2.155	419	12.9	.973
255	15.0	5.568	354	12.3	4.662	402	16.0	1.178	420	19.1	1.375
260	18.5	6.688	359	12.7	4.798	403	16.0	1.178	421	12.6	.953
265	12.2	4.628	364	12.8	4.832	404	33.1	2.166	422	34.8	2.253
270	14.1	6.320	369	13.3	5.000	405	19.1	1.375	423	18.7	1.350
276	10.9	5.010	374	15.0	5.568	406	14.4	1.074	424	16.2	1.191
282	7.0	2.769	379	15.1	5.601	407	14.6	1.087	425	11.9	.905
292	9.1	3.538	384	11.2	3.425	408	12.9	.973	426	19.4	1.393
297	12.4	5.635	388	11.4	3.481	409	12.9	.973	427	26.0	1.784
303	13.1	4.933	392	5.7	.456	410	26.4	1.807	428	24.9	1.721
308	11.2	4.281	393	4.3	.349	411	11.4	.870	429	38.8	2.450
313	17.0	1.242	394	9.3	.722	412	9.6	.743	430	35.2	2.273
318	11.6	5.305	395	7.2	.569	413	10.7	.821	431	21.0	1.491
324	17.2	1.255	396	4.5	.364	414	3.6	.294	432	17.9	1.300
329	10.3	3.963	397	3.5	.286	415	2.4	.198	433	22.1	1.558

^{1/} Starting depth of sample below surface (elevation, 8,759 feet).

TABLE 21. - Corehole 1A, Gulf Oil Corp., NW1/4SE1/4SW1/4 sec. 10, T. 8 S., R. 95 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
434	19.2	1.381	443	19.1	1.375	452	30.0	2.004	461	23.4	1.634
435	11.3	.863	444	27.7	1.878	453	37.1	2.367	462	10.0	.771
436	14.6	1.087	445	42.1	2.604	454	26.0	1.784	463	11.5	.877
437 ^{2/}	9.0	.700	446	41.8	2.590	455	17.2	1.255	464	26.1	1.790
438	11.5	.877	447	65.6	3.515	456	28.9	1.944	465	31.9	2.102
439	8.7	.679	448	70.6	3.552	457	35.6	2.293	466	18.3	1.325
440	12.0	.912	449	44.4	2.708	458	25.2	1.739	467	26.4	1.807
441	34.2	2.222	450	48.4	2.876	459	13.6	1.020	468	23.4	1.634
442	26.8	1.829	451	27.3	1.857	460	16.1	1.178	469	-	-

^{1/} Starting depth of sample below surface (elevation, 8,759 feet).

^{2/} Mahogany marker at depth of 437 feet (elevation, 8,322 feet).

TABLE 22. - Corehole 2, Gulf Oil Corp., NW1/4SE1/4SW1/4 sec. 34, T. 7 S., R. 95 W.,
Garfield County, Colo. (See fig. 8)

246	9.3	3.609	355	10.0	1.543	412	7.1	1.122	470	16.1	2.370
251	12.3	4.662	357	11.1	1.698	414	14.9	2.214	472	18.4	2.663
256	13.8	7.234	359	29.4	3.942	416	13.7	2.053	474	22.0	3.104
263	13.7	5.136	361	13.0	1.960	418	11.3	1.726	476	35.2	4.546
268	14.2	5.301	363	8.6	1.343	420	11.5	1.754	478	24.6	3.408
273	14.8	5.501	365	10.6	1.628	422	16.8	2.459	480	16.0	2.357
278	15.3	5.666	367	15.7	2.318	424	11.9	1.810	482	25.5	3.512
283	14.7	5.468	369	11.6	1.768	426	15.9	2.344	484	15.3	2.266
288	14.6	4.348	371	14.4	2.147	428	19.2	2.763	486 ^{2/}	12.2	1.851
292	13.5	4.054	373	27.1	3.691	430	11.9	1.810	488	10.5	1.614
296	17.0	6.212	375	7.7	1.211	432	8.2	1.284	490	28.9	3.887
301	25.0	6.910	377	9.3	1.443	434	13.6	2.040	492	24.6	3.408
305	15.3	4.532	379	21.1	2.994	436	10.9	1.670	494	37.7	4.792
309	14.1	4.214	381	13.4	2.013	438	9.3	1.444	496	61.5	6.756
313	8.1	3.175	383	14.5	2.160	440	8.8	1.372	498	56.2	6.372
318	10.4	3.999	385	14.9	2.214	442	16.8	2.459	500	27.6	3.768
323	13.3	5.000	387	10.7	1.642	444	10.7	1.642	502	28.2	3.812
328	11.4	4.351	389	11.1	1.698	446	18.6	2.688	504	18.8	2.713
333	9.0	1.401	391	19.1	2.750	448	13.9	2.080	506	39.8	4.995
335	20.2	2.884	393	14.2	2.120	450	16.6	2.434	508	31.3	4.144
337	9.8	1.514	395	13.0	1.960	452	20.9	2.970	510	21.6	3.055
339	9.1	1.415	397	14.8	2.201	454	23.0	3.221	512	18.0	2.612
341	9.0	1.401	399	12.5	1.892	456	6.8	1.078	514	11.3	1.726
343	7.7	1.211	401	12.3	1.865	458	4.0	.651	516	30.9	4.103
345	22.4	3.151	403	13.6	2.040	460	9.4	1.458	518	30.0	4.008
347	10.8	1.656	405	13.3	2.000	462	5.2	.837	520	17.7	2.574
349	8.4	1.314	407	13.9	2.080	464	2.9	.477	522	8.5	3.320
351	18.5	2.675	409	16.5	2.421	466	2.4	.396	527	11.0	4.211
353	17.3	2.523	411	10.8	.828	468	10.6	1.628	532	-	-

^{1/} Starting depth of sample below surface (elevation, 8,741 feet).

^{2/} Mahogany marker at depth of 486 feet (elevation, 8,255 feet).

TABLE 23. - Allen corehole 1, Pacific Oil Co., 652.81 ft. W. and 51.66 ft. S. of N1/4
corner sec. 34, T. 6 S., R. 97 W., Garfield County, Colo. (See fig. 9)

182.0	19.0	2.738	188.0	4.8	0.775	196.0	30.5	4.060	204.0	8.0	1.255
184.0	22.7	1.859	190.0	6.4	1.018	198.0	27.9	3.779	206.0	6.8	1.078
185.2	Missing		192.0	19.7	2.823	200.0	31.0	4.113	208.0	7.2	1.137
186.5	11.5	1.316	194.0	27.4	3.724	202.0	12.3	1.865	210.0	23.0	3.221

^{1/} Starting depth of sample below surface (elevation, 8,238.5 feet).

TABLE 23. - Allen corehole 1, Pacific Oil Co., 652.81 ft. W. and 51.66 ft. S. of N1/4 corner sec. 34, T. 6 S., R. 97 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
212.0	10.7	1.642	334.0	13.9	2.080	456.0	25.9	3.557	584.0	19.1	2.756
214.0	3.4	.556	336.0	7.6	1.196	458.0	11.7	1.782	586.0	22.3	3.139
216.0	3.8	.619	338.0	7.5	1.182	460.0	10.4	1.599	588.0	20.3	1.448
218.0	5.5	.662	340.0	7.0	1.108	462.0	12.1	1.838	589.0	31.7	2.092
219.5	Missing		342.0	7.1	1.122	464.0	11.3	1.726	590.0	11.2	.856
221.0	4.4	.356	344.0	7.0	1.108	466.0	9.0	1.401	591.0	6.5	.516
222.0	9.0	1.401	345.0	6.9	1.093	468.0	9.5	1.472	592.0	7.0	.554
224.0	7.4	1.167	348.0	9.6	1.487	470.0	15.7	2.318	593.0	4.5	.364
226.0	13.2	1.987	350.0	24.7	3.420	472.0	10.8	1.656	594.0	11.6	.884
228.0	19.3	2.774	352.0	7.9	1.241	474.0	11.3	1.726	595.0	6.4	.509
230.0	8.0	1.256	354.0	6.2	.988	476.0	9.7	1.500	596.0	5.5	.441
232.0	6.3	1.003	356.0	14.4	2.147	478.0	21.1	2.994	597.0	2.9	.238
234.0	8.9	1.386	358.0	13.8	2.067	480.0	12.7	1.919	598.0	2.7	.222
236.0	9.2	1.429	360.0	10.4	1.599	482.0	9.9	1.528	599.0	4.3	.349
238.0	8.5	.719	362.0	10.0	.901	484.0	9.8	1.514	600.0	15.8	1.166
239.1	Missing		363.2	Missing		486.0	24.6	3.408	601.0	16.1	1.185
240.4	8.9	1.097	364.5	9.8	.379	488.0	12.4	1.878	602.0	27.2	1.851
242.0	11.8	1.796	365.0	Missing		490.0	12.0	1.824	603.0	29.7	1.987
244.0	13.3	2.000	366.3	8.0	1.046	492.0	30.3	4.039	604.0	20.2	1.442
246.0	12.5	1.892	368.0	9.3	1.444	494.0	12.9	1.946	605.0	14.9	1.107
248.0	11.9	1.810	370.0	11.7	1.782	496.0	9.0	1.401	606.0	17.9	1.300
250.0	13.5	2.027	372.0	7.3	1.152	498.0	11.7	1.782	607.0	24.8	1.716
252.0	13.6	2.067	374.0	6.2	.988	500.0	15.1	2.240	608.0	29.5	1.976
254.0	7.2	1.137	376.0	9.2	1.429	502.0	15.8	2.331	609.0	22.0	1.552
256.0	7.2	1.137	378.0	9.1	1.415	504.0	13.0	1.960	610.0	39.6	2.488
258.0	16.7	2.446	380.0	14.8	2.200	506.0	28.4	3.833	611.0	38.5	2.435
260.0	22.7	3.186	382.0	10.5	1.614	508.0	18.5	2.675	612.0	30.9	2.051
262.0	23.3	3.256	384.0	6.4	1.018	510.0	7.0	1.108	613.0	25.0	1.727
264.0	3.6	.588	386.0	12.0	1.824	512.0	24.0	3.339	614.0	19.5	1.400
266.0	6.3	1.003	388.0	11.6	1.768	514.0	13.4	2.013	615.0	15.0	1.114
268.0	8.6	1.343	390.0	14.3	2.134	516.0	15.6	2.305	616.0	28.0	1.895
270.0	13.4	2.013	392.0	9.4	1.458	518.0	16.5	2.421	617.0	17.9	1.300
272.0	14.1	2.107	394.0	30.0	4.008	520.0	12.6	1.906	618.0	16.8	1.230
274.0	14.3	2.134	396.0	10.9	1.670	522.0	12.5	1.892	619.02/	13.2	.993
276.0	14.5	2.160	398.0	8.1	1.270	524.0	17.4	2.536	620.0	16.5	1.210
278.0	13.8	2.067	400.0	13.4	2.013	526.0	12.6	1.906	621.0	11.4	.870
280.0	12.0	1.824	402.0	20.3	2.896	528.0	12.4	1.878	622.0	13.7	1.027
282.0	16.1	2.357	404.0	12.1	.995	530.0	14.2	2.120	623.0	27.0	1.840
284.0	15.6	2.305	405.1	Missing		532.0	14.5	2.160	624.0	41.6	2.581
286.0	11.5	1.754	406.0	12.6	1.906	534.0	14.5	2.160	625.0	22.7	1.593
288.0	10.3	1.585	408.0	20.4	2.909	536.0	12.8	1.933	626.0	25.0	1.727
290.0	12.2	1.851	410.0	14.1	2.107	538.0	13.9	2.080	627.0	28.7	1.933
292.0	7.5	1.182	412.0	12.4	1.878	540.0	15.1	2.240	628.0	34.4	2.232
294.0	9.3	.481	414.0	15.4	2.279	542.0	17.7	2.574	629.0	39.7	2.493
294.7	Missing		416.0	16.5	2.421	544.0	11.0	1.684	630.0	40.2	2.516
296.0	1.2	.200	418.0	18.8	2.713	546.0	15.0	2.227	631.0	58.7	3.278
298.0	3.6	.588	420.0	15.5	2.292	548.0	20.4	2.909	632.0	56.7	3.206
300.0	6.4	1.018	422.0	17.4	2.536	550.0	11.7	1.782	633.0	71.6	3.702
302.0	7.7	1.110	424.0	14.6	2.174	552.0	18.8	2.713	634.0	50.0	2.944
303.8	Missing		426.0	16.8	2.459	554.0	12.2	1.851	635.0	42.9	2.641
309.0	8.5	.664	428.0	16.7	2.446	556.0	11.9	1.810	636.0	51.8	3.016
310.0	8.0	1.255	430.0	14.6	2.174	558.0	14.6	2.174	637.0	19.1	1.375
312.0	17.6	1.564	432.0	14.5	2.160	560.0	17.9	2.600	638.0	37.5	2.386
314.0	8.5	1.328	434.0	14.9	2.214	562.0	19.3	2.775	639.0	38.8	2.450
316.0	6.9	.546	436.0	16.0	2.357	564.0	19.9	2.848	640.0	19.1	1.375
317.0	Missing		438.0	18.8	2.713	566.0	11.6	1.768	641.0	41.1	2.557
319.0	11.3	.863	440.0	20.3	2.896	568.0	12.5	1.892	642.0	48.3	2.872
320.0	10.9	1.670	442.0	24.9	3.443	570.0	12.7	1.919	643.0	40.4	2.525
322.0	8.3	1.299	444.0	27.1	3.691	572.0	10.1	1.557	644.0	46.8	2.810
324.0	8.3	1.515	446.0	18.6	2.688	574.0	12.5	1.892	645.0	41.7	2.585
326.3	Missing		448.0	13.2	1.987	576.0	14.1	2.107	646.0	26.7	1.823
329.0	7.9	.310	450.0	14.7	2.187	578.0	14.0	2.094	647.0	27.1	1.846
329.5	Missing		452.0	11.6	1.768	580.0	23.7	3.304	648.0	21.5	1.521
332.0	12.4	1.878	454.0	10.4	1.599	582.0	15.4	2.279	649.0	15.6	1.152

See footnotes at end of table.

TABLE 23. - Allen corehole 1, Pacific Oil Co., 652.81 ft. W. and 51.66 ft. S. of N1/4 corner sec. 34, T. 6 S., R. 97 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
650.0	24.3	1.687	660.0	39.7	2.493	670.0	12.3	0.932	680.0	4.4	0.356
651.0	38.5	2.435	661.0	28.1	1.900	671.0	17.4	1.268	681.0	12.6	.953
652.0	16.5	1.210	662.0	24.9	1.722	672.0	4.7	.380	682.0	14.3	1.067
653.0	14.5	1.080	663.0	18.6	1.344	673.0	24.0	1.670	683.0	25.9	1.778
654.0	21.6	1.527	664.0	15.0	1.114	674.0	32.8	2.150	684.0	11.8	.898
655.0	37.9	2.406	665.0	18.3	1.325	675.0	14.6	1.087	685.0	15.4	1.140
656.0	40.3	2.520	666.0	26.3	1.801	676.0	11.0	.842	686.0	11.4	.870
657.0	31.8	2.097	667.0	12.9	.973	677.0	23.2	1.622	687.0	9.0	.701
658.0	24.8	1.712	668.0	11.8	.898	678.0	47.5	2.840	688.0	-	-
659.0	29.0	1.949	669.0	5.5	.441	679.0	13.3	1.000			

1/ Starting depth of sample below surface (elevation, 8,238.5 feet).

2/ Mahogany marker at depth of 619.6 feet (elevation, 7,618.9 feet).

TABLE 24. - Dragert corehole 1, Pacific Oil Co., 2,195.97 ft. E., 3,501.81 ft. S. of NW corner sec. 5, T. 6 S., R. 96 W., Garfield County, Colo. (See fig. 10)

220.0	11.9	4.526	430.0	16.6	6.084	556.0	14.7	2.187	635.0	28.4	1.916
225.0	7.2	2.843	435.0	15.8	5.828	558.0	14.5	2.160	636.0	20.7	1.473
230.0	11.0	4.211	440.0	14.7	5.468	560.0	12.4	1.878	637.0	15.4	1.140
235.0	3.0	1.232	445.0	15.4	5.698	562.0	12.0	1.824	638.0	18.2	1.319
240.0	.7	.293	450.0	21.9	7.728	564.0	12.7	1.919	639.0	37.6	2.391
245.0	.9	.377	455.0	23.5	8.200	566.0	15.2	2.253	640.0	21.5	1.521
250.0	11.5	4.386	460.0	14.3	5.334	568.0	11.8	1.796	641.0	9.3	.722
255.0	11.7	4.456	465.0	13.0	4.900	570.0	20.6	2.933	642.0	6.6	.524
260.0	5.9	2.357	470.0	18.7	6.751	572.0	18.0	2.612	643.0	6.7	.531
265.0	10.4	3.999	475.0	12.2	4.628	574.0	13.3	2.000	644.0	4.8	.388
270.0	1.3	.542	480.0	7.6	2.991	576.0	12.9	1.946	645.0	7.3	.576
275.0	1.3	.542	485.0	19.6	7.028	578.0	15.9	2.344	646.0	4.8	.388
280.0	1.0	.419	490.0	14.2	5.301	580.0	23.9	3.327	647.0	3.4	.278
285.0	.8	.335	495.0	16.0	5.893	582.0	13.7	2.053	648.0	4.0	.325
290.0	2.3	.950	500.0	10.9	1.670	584.0	12.4	1.878	649.0	3.9	.317
295.0	1.6	.645	502.0	25.1	3.466	586.0	16.4	2.408	650.0	14.3	1.067
300.0	7.7	3.028	504.0	20.3	2.896	588.0	16.6	2.434	651.0	16.8	1.230
305.0	10.1	3.892	506.0	11.8	1.796	590.0	16.1	2.370	652.0	37.7	2.396
310.0	12.5	4.730	508.0	10.8	1.656	592.0	15.0	2.227	653.0	37.0	2.362
315.0	12.7	4.798	510.0	15.0	2.227	594.0	15.0	2.227	654.0	20.2	1.442
320.0	11.0	4.211	512.0	21.0	2.982	596.0	16.5	2.420	655.0	18.8	1.356
325.0	6.5	2.582	514.0	12.4	1.378	598.0	19.8	2.836	656.0	16.4	1.204
330.0	9.0	3.503	516.0	11.0	1.684	600.0	18.3	2.650	657.0	20.2	1.442
335.0	11.3	4.316	518.0	15.4	2.279	602.0	25.1	3.466	658.0	27.3	1.857
340.0	12.8	4.832	520.0	14.2	2.120	604.0	20.3	2.896	659.0	32.3	2.123
345.0	13.9	5.201	522.0	30.3	4.039	606.0	14.2	2.120	660.0	21.7	1.533
350.0	8.1	3.175	524.0	22.3	3.139	608.0	12.5	1.892	661.0	35.9	2.308
355.0	12.1	4.594	526.0	33.1	4.331	610.0	12.4	1.878	662.0	16.3	1.198
360.0	13.8	5.167	528.0	23.6	3.291	612.0	16.0	2.357	663.0	12.5	.946
365.0	12.1	4.594	530.0	14.3	2.134	614.0	13.6	2.040	664.0	14.9	1.107
370.0	9.4	3.644	532.0	16.2	2.383	616.0	10.9	1.670	665.0	10.3	.793
375.0	10.9	4.176	534.0	23.4	3.268	618.0	14.1	2.107	666.0	18.0	1.306
380.0	7.6	2.991	536.0	14.6	2.174	620.0	17.1	2.498	667.0	15.2	1.126
385.0	13.6	5.100	538.0	14.0	2.094	622.0	12.8	1.933	668.0	24.4	1.693
390.0	17.6	6.404	540.0	18.6	2.688	624.0	19.2	2.763	669.0	22.1	1.558
395.0	10.3	3.963	542.0	16.4	2.408	626.0	28.9	3.887	670.0	15.4	1.140
400.0	12.1	4.594	544.0	21.1	2.994	628.0	15.4	2.279	671.0	24.6	1.704
405.0	13.8	5.167	546.0	15.2	2.253	630.0	14.7	1.094	672.0	25.7	1.767
410.0	17.3	6.308	548.0	19.0	2.738	631.0	16.7	1.223	673.0	30.0	2.004
415.0	17.2	6.267	550.0	15.9	2.344	632.0	15.3	1.133	674.0	42.9	2.641
420.0	14.6	5.435	552.0	13.2	1.987	633.0	15.7	1.159	675.02/	39.1	2.464
425.0	17.6	6.404	554.0	12.8	1.933	634.0	28.4	1.916	676.0	36.3	2.332

See footnotes at end of table.

TABLE 24. - Dragert corehole 1, Pacific Oil Co., 2,195.97 ft. E., 3,501.81 ft. S. of NW corner
sec. 5, T. 6 S., R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/ per ton	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/ per ton	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/ per ton	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/ per ton	Oil, gal. per ton	Footage times gal. per cu. ft.
677.0	41.6	2.581	710.0	24.5	1.698	743.8	15.7	1.449	777.0	7.0	0.554
678.0	25.7	1.767	711.0	20.5	1.460	745.0	17.5	1.274	778.0	1.4	.116
679.0	21.2	1.503	712.0	18.5	1.338	746.0	24.5	1.698	779.0	.0	.0
680.0	33.4	2.181	713.0	41.7	2.585	747.0	25.5	1.756	780.0	.0	.0
681.0	31.2	2.067	714.0	34.1	2.217	748.0	17.7	1.287	781.0	Missing	-
682.0	35.5	2.288	715.0	20.1	1.436	749.0	15.5	1.146	782.0	.0	.0
683.0	46.9	2.815	716.0	14.5	1.080	750.0	14.7	1.094	784.0	1.4	.116
684.0	64.5	3.480	717.0	25.8	1.773	751.0	24.5	1.698	785.0	1.0	.084
685.0	38.8	2.450	718.0	27.5	1.868	752.0	38.9	2.455	786.0	1.0	.168
685.0	69.4	3.636	719.0	31.6	2.087	753.0	33.6	2.192	788.0	.8	.134
687.0	50.4	2.960	720.0	36.5	2.338	754.0	16.8	1.230	790.0	3.4	.556
688.0	59.8	3.318	721.0	31.5	2.082	755.0	14.4	1.074	792.0	2.6	.428
689.0	52.1	3.028	722.0	32.3	2.123	756.0	8.3	.650	794.0	8.6	1.343
690.0	46.4	2.793	723.0	26.4	1.807	757.0	8.6	.671	796.0	14.9	2.214
691.0	48.0	2.860	724.0	32.2	2.118	758.0	22.9	1.605	798.0	17.9	2.600
692.0	41.8	2.590	725.0	34.5	2.238	759.0	38.1	2.416	800.0	14.8	2.200
693.0	23.6	1.646	726.0	40.3	2.520	760.0	23.6	1.646	802.0	37.1	4.734
694.0	29.1	1.954	727.0	34.9	2.258	761.0	22.4	1.575	804.0	12.4	1.878
695.0	39.2	2.469	728.0	28.8	1.938	762.0	19.3	1.387	806.0	17.2	2.510
696.0	42.7	2.632	729.0	29.0	1.949	763.0	20.6	1.466	808.0	7.1	1.122
697.0	39.2	2.469	730.0	25.6	1.762	764.0	12.9	.973	810.0	Missing	-
698.0	38.8	2.450	731.0	16.1	1.185	765.0	12.0	.912	812.8	8.3	.758
699.0	45.4	2.750	732.0	16.5	1.210	766.0	9.2	.715	814.0	13.0	1.960
700.0	42.9	2.641	733.0	18.9	1.363	767.0	10.2	.786	816.0	14.9	2.214
701.0	48.6	2.884	734.0	25.0	1.727	768.0	10.4	.800	818.0	18.4	2.662
702.0	43.5	2.668	735.0	26.2	1.795	769.0	12.1	.919	820.0	19.8	2.836
703.0	43.5	2.668	736.0	14.9	1.107	770.0	18.7	1.350	822.0	16.6	2.433
704.0	32.1	2.113	737.0	17.4	1.268	771.0	12.0	.912	824.0	11.3	1.726
705.0	26.1	1.790	738.0	14.9	1.107	772.0	6.6	.524	826.0	16.0	2.357
706.0	24.5	1.698	739.0	13.1	.987	773.0	4.5	.364	828.0	15.8	2.331
707.0	41.5	2.576	740.0	22.2	1.564	774.0	4.7	.380	830.0	23.1	3.233
708.0	37.1	2.367	741.0	34.6	2.617	775.0	3.6	.294	832.0	-	-
709.0	21.2	1.503	742.2	Missing	-	776.0	3.3	.270			

1/ Starting depth of sample below surface (elevation, 8,106.9 feet).

2/ Mahogany marker at depth of 675 feet (elevation, 7,431.9 feet).

TABLE 25. - Hardison corehole 1, Pacific Oil Co., 4,089.69 ft. E. and 193.77 ft. S. of NW corner
sec. 2, T. 7 S., R. 98 W., Garfield County, Colo. (See fig. 11)

268.0	6.1	0.973	308.0	9.7	1.500	348.0	16.3	2.395	388.0	10.3	1.585
270.0	10.4	1.599	310.0	13.6	2.040	350.0	15.2	2.253	390.0	10.2	1.571
272.0	19.0	2.738	312.0	13.6	2.040	352.0	14.5	2.160	392.0	16.6	2.434
274.0	8.2	1.284	314.0	13.0	1.960	354.0	14.7	2.187	394.0	15.0	2.227
276.0	5.8	.928	316.0	21.2	3.006	356.0	18.1	2.625	396.0	9.6	1.486
278.0	16.6	2.434	318.0	9.0	1.401	358.0	16.8	2.459	398.0	10.1	1.557
280.0	5.9	.943	320.0	9.3	1.444	360.0	27.5	3.735	400.0	23.5	3.280
282.0	7.7	.707	322.0	18.2	2.638	362.0	24.1	3.350	402.0	11.0	1.684
283.2	Missing		324.0	14.8	2.200	364.0	19.6	2.811	404.0	16.6	2.434
286.0	6.4	1.018	326.0	12.3	1.865	366.0	12.8	1.933	406.0	24.3	3.374
288.0	4.2	.682	328.0	27.0	3.680	368.0	14.4	2.147	408.0	9.6	.743
290.0	7.3	1.152	330.0	15.0	2.227	370.0	10.2	1.571	409.0	9.4	.729
292.0	0		332.0	14.4	2.147	372.0	16.4	2.408	410.0	8.8	.686
294.0	2.9	.477	334.0	16.2	2.383	374.0	19.5	2.799	411.0	10.9	.835
296.0	6.3	1.003	336.0	18.1	2.625	376.0	10.3	1.585	412.0	16.4	1.204
298.0	9.6	1.486	338.0	16.1	2.370	378.0	12.7	1.919	413.0	16.4	1.204
300.0	10.5	1.614	340.0	17.2	2.510	380.0	10.5	1.614	414.0	12.8	.966
302.0	18.5	2.675	342.0	16.3	2.395	382.0	8.8	1.372	415.0	11.1	.849
304.0	5.1	.821	344.0	15.4	2.279	384.0	9.0	1.401	416.0	14.3	1.067
306.0	8.6	1.343	346.0	16.7	2.446	386.0	24.0	3.339	417.0	15.8	1.166

1/ Starting depth of sample below surface (elevation, 7,942 feet).

TABLE 25. - Hardison corehole 1, Pacific Oil Co., 4,089.69 ft. E. and 193.77 ft. S. of NW corner
sec. 2, T. 7 S., R. 98 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
418.0	32.1	2.113	459.0	19.1	1.375	500.0	19.3	1.387	541.0	24.5	1.698
419.0	21.4	1.515	460.0	12.2	.926	501.0	15.5	1.146	542.0	25.2	1.739
420.0	13.3	1.000	461.0	7.0	.554	502.0	35.2	2.273	543.0	28.0	1.895
421.0	9.5	.736	462.0	6.8	.539	503.0	19.0	1.369	544.0	18.7	1.350
422.0	4.7	.380	463.0	14.4	1.074	504.0	14.6	1.087	545.0	21.1	1.497
423.0	14.9	1.107	464.0	15.0	1.114	505.0	15.0	1.114	546.0	36.0	2.313
424.0	19.4	1.393	465.0	15.7	1.159	506.0	24.3	1.687	547.0	12.8	.966
425.0	12.3	.932	466.0	19.3	1.387	507.0	25.0	1.727	548.0	13.4	1.007
426.0	29.2	1.960	467.0	19.8	1.418	508.0	16.8	1.230	549.0	25.5	1.756
427.0	14.3	1.068	468.0	18.4	1.331	509.0	11.5	.877	550.0	36.5	2.338
428.0	14.5	1.080	469.0	12.7	.960	510.0	14.9	1.107	551.0	32.6	2.139
429.0	18.8	1.356	470.0	9.7	.750	511.0	13.9	1.040	552.0	26.6	1.818
430.0	18.6	1.344	471.0	10.5	.807	512.0	23.7	1.652	553.0	39.9	2.502
431.0	14.4	1.074	472.0	13.9	1.040	513.0	39.1	2.464	554.0	23.2	1.622
432.0	16.9	1.236	473.0	15.1	1.120	514.0	32.1	2.113	555.0	18.7	1.350
433.0	11.8	.898	474.0	8.3	.650	515.0	24.2	1.681	556.0	13.5	1.013
434.0	11.9	.905	475.0	10.7	.821	516.0	15.9	1.172	557.0	18.5	1.338
435.0	14.5	1.080	476.0	8.4	.657	517.0 2/	20.5	1.460	558.0	20.8	1.479
436.0	20.9	1.485	477.0	11.4	.870	518.0	18.4	1.331	559.0	10.6	.814
437.0	13.9	1.040	478.0	19.1	1.375	519.0	12.8	.966	560.0	9.5	.736
438.0	13.4	1.087	479.0	13.9	1.040	520.0	31.2	2.068	561.0	39.2	2.469
439.0	14.6	1.087	480.0	11.2	.856	521.0	24.9	1.722	562.0	21.4	1.515
440.0	15.4	1.140	481.0	21.5	1.521	522.0	23.9	1.664	563.0	9.9	.764
441.0	13.1	.987	482.0	19.4	1.393	523.0	23.0	1.611	564.0	16.6	1.217
442.0	14.2	1.060	483.0	14.6	1.087	524.0	41.0	2.553	565.0	28.9	1.944
443.0	14.3	1.067	484.0	15.4	1.140	525.0	31.3	2.072	566.0	8.3	.650
444.0	13.0	.980	485.0	23.6	1.646	526.0	60.3	3.336	567.0	12.2	.926
445.0	12.7	.960	486.0	15.2	1.127	527.0	51.1	2.988	568.0	8.7	.679
446.0	13.2	.993	487.0	17.0	1.242	528.0	69.3	3.633	569.0	7.4	.583
447.0	12.8	.966	488.0	18.2	1.319	529.0	55.9	3.174	570.0	4.2	.341
448.0	15.2	1.127	489.0	28.1	1.900	530.0	40.6	2.534	571.0	15.5	1.146
449.0	16.1	1.185	490.0	14.3	1.067	531.0	51.4	3.000	572.0	29.0	1.949
450.0	18.1	1.312	491.0	7.1	.561	532.0	40.4	2.525	573.0	15.2	1.127
451.0	12.5	.946	492.0	7.4	.583	533.0	19.9	1.424	574.0	11.1	.849
452.0	16.1	1.185	493.0	4.2	.341	534.0	22.7	1.593	575.0	6.7	.531
453.0	11.7	.891	494.0	11.9	.905	535.0	33.1	2.166	576.0	7.8	.613
454.0	8.5	.664	495.0	6.0	.479	536.0	21.7	1.533	577.0	10.1	.778
455.0	10.7	.821	496.0	5.5	.441	537.0	19.1	1.375	578.0	12.1	.919
456.0	21.3	1.509	497.0	2.7	.222	538.0	34.8	2.253	579.0	9.6	.743
457.0	12.1	.919	498.0	2.8	.230	539.0	49.7	2.931	580.0	-	-
458.0	11.5	.877	499.0	6.2	.494	540.0	39.5	2.483			

1/ Starting depth of sample below surface (elevation, 7,942 feet).

2/ Mahogany marker at depth of 517 feet (elevation, 7,425 feet).

TABLE 26. - Magor corehole 1, Pacific Oil Co., NE1/4NW1/4SW1/4 sec. 14, T. 6 S., R. 98 W.,
Garfield County, Colo.

290.0	10.8	8.281	410.0	6.1	4.865	530.0	16.5	12.105	622.0	11.2	2.569
300.0	11.7	8.911	420.0	12.7	9.596	540.0	12.3	9.324	625.0	18.8	6.783
310.0	5.1	4.107	430.0	11.9	9.051	550.0	13.1	9.866	630.0	14.3	10.669
320.0	18.5	13.377	440.0	8.2	6.422	560.0	20.2	14.422	640.0	18.0	13.063
330.0	9.8	7.572	450.0	11.4	8.702	570.0	10.7	4.105	650.0	15.4	4.558
340.0	12.7	9.596	460.0	13.3	10.000	575.0	18.7	12.828	654.0	9.7	3.000
350.0	10.0	7.714	470.0	13.1	9.866	584.5	4.4	.713	658.0	18.6	12.096
360.0	3.9	3.174	480.0	25.2	17.368	586.5	18.6	6.048	667.0	19.8	7.089
370.0	4.7	3.798	490.0	17.4	12.679	591.0	15.2	8.450	672.0	12.8	9.664
380.0	18.9	1.363	500.0	17.2	12.552	598.5	14.8	11.003	682.0	9.4	3.280
390.0	7.3	5.760	510.0	15.4	11.396	608.5	12.7	9.116	686.5	15.5	1.719
400.0	12.7	9.596	520.0	18.1	13.126	618.0	18.0	5.225	688.0	20.2	5.769

1/ Starting elevation of sample below surface (elevation, 7,948 feet).

TABLE 26. - Magor corehole 1, Pacific Oil Co., NE1/4NW1/4SW1/4 sec. 14, T. 6 S., R. 98 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
692.0	25.9	10.671	709.0	23.7	3.304	744.0	29.3	15.723	767.0	30.6	4.071
698.0	20.0	4.290	711.0	46.1	19.463	752.0	17.4	6.340	769.0	9.2	1.429
701.0	20.2	4.326	718.0	36.3	33.754	757.0	9.5	2.208	771.0	22.7	6.372
704.0 ^{2/}	14.7	3.828	732.5	28.1	16.154	760.0	18.0	5.225	775.0	11.6	7.957
707.5	37.0	3.543	741.0	20.4	4.363	764.0	14.1	3.160	784.0	-	-

1/ Starting elevation of sample below surface (elevation, 7,948 feet).

2/ Mahogany marker at depth of 704 feet (elevation, 7,244 feet).

TABLE 27. - Magor corehole 2, Pacific Oil Co., SW1/4SE1/4NE1/4 sec. 7, T. 6 S., R. 97 W., Garfield County, Colo.

242.0	8.3	1.949	432.0	12.5	2.838	539.0	24.5	6.794	639.0	13.2	3.973
245.0	17.6	7.684	435.0	23.5	4.920	543.0	17.3	12.616	643.0	12.4	8.453
251.0	9.8	6.815	438.0	11.6	2.652	553.0	17.9	1.293	652.0	6.8	5.389
260.0	11.7	8.911	441.0	15.5	4.584	554.0	16.0	2.357	662.0	1.8	1.345
270.0	7.2	5.686	445.0	15.4	4.558	556.0	35.7	2.298	671.0	26.5	7.249
280.0	6.6	5.239	449.0	25.6	5.284	557.0	16.7	8.563	675.0	14.3	5.334
290.0	10.6	8.139	452.0	11.5	3.509	564.0	27.8	5.652	680.0	25.1	3.466
300.0	8.6	6.714	456.0	21.4	10.606	567.0	23.4	3.268	682.0	11.4	3.481
310.0	10.2	7.856	463.0	16.5	3.631	569.0	22.6	5.555	686.0	10.3	4.756
320.0	12.8	9.664	466.0	14.7	10.936	572.5 ^{2/}	23.7	17.344	692.0	10.6	2.849
330.0	14.6	10.869	476.0	12.3	9.324	583.0	44.0	10.761	695.5	11.6	4.863
340.0	13.1	4.933	486.0	16.6	6.084	587.0	40.5	22.767	701.0	23.9	6.654
345.0	17.1	12.488	491.0	11.5	1.754	596.0	24.2	5.043	705.0	13.2	9.933
355.0	18.4	13.331	493.0	14.6	8.695	599.0	28.8	19.381	715.0	17.0	8.697
365.0	16.5	12.104	501.0	14.8	5.501	609.0	33.1	4.331	722.0	10.4	5.598
375.0	16.6	12.168	506.0	18.1	2.625	611.0	21.1	5.988	729.0	19.5	2.799
385.0	19.6	14.056	518.0	13.6	4.080	615.0	32.5	12.804	731.0	2.8	2.073
395.0	15.1	5.601	522.0	9.8	3.407	621.0	21.0	9.691	740.0	21.3	6.036
400.0	17.1	12.488	526.5	18.7	2.025	627.5	11.4	2.175	744.0	7.8	6.129
410.0	12.9	11.678	528.0	12.9	3.406	630.0	18.9	5.451	754.0	-	-
422.0	11.5	4.386	531.5	32.6	3.209	634.0	22.0	6.207			
427.0	20.4	7.272	533.0	16.0	7.071	638.0	48.1	2.864			

1/ Starting elevation of sample below surface (elevation, 8,165 feet).

2/ Mahogany marker at depth of 581.5 feet below surface (elevation, 7,583.5 feet).

TABLE 28. - Magor corehole 3, Pacific Oil Co., NW corner SW1/4SW1/4SW1/4 sec. 24, T. 6 S., R. 98 W., Garfield County, Colo.

260.0	10.7	8.210	430.0	14.0	10.468	588.0	14.7	13.123	689.0	30.7	2.041
270.0	10.4	7.997	440.0	9.7	3.000	600.0	18.4	7.988	690.0	20.1	4.308
280.0	11.1	8.492	444.0	19.8	11.343	606.0	12.3	6.527	693.0	28.7	19.328
290.0	8.9	6.932	452.0	15.3	6.799	613.0	16.7	8.563	703.0	20.4	5.817
300.0	13.7	10.267	458.0	17.2	16.945	620.0	20.1	14.361	707.0	13.5	4.054
310.0	10.1	7.785	471.5	16.6	10.343	630.0	7.3	5.760	711.0	26.3	1.801
320.0	2.2	1.737	480.0	21.5	15.213	640.0	20.8	10.351	712.0	13.6	2.040
330.0	1.9	1.575	490.0	14.2	10.602	647.0	32.4	8.515	714.0	10.3	1.189
340.0	9.4	7.289	500.0	6.0	4.790	651.0	21.4	7.576	715.5	32.0	3.161
350.0	16.6	12.168	510.0	13.4	10.067	656.0 ^{2/}	13.5	6.080	717.0	15.7	3.477
360.0	11.1	8.492	520.0	16.6	12.168	662.0	27.1	9.228	720.0	35.1	2.268
370.0	10.6	8.139	530.0	16.0	11.785	667.0	46.6	14.010	721.0	11.0	4.211
380.0	7.5	5.907	540.0	17.7	12.871	672.0	48.8	14.464	726.0	29.8	1.993
390.0	14.4	10.736	550.0	17.6	12.810	677.0	28.5	5.766	727.0	11.5	6.140
400.0	9.5	7.360	560.0	15.3	11.331	680.0	21.3	3.018	734.0	-	-
410.0	8.8	6.866	570.0	12.5	9.460	682.0	42.8	15.018			
420.0	11.5	8.771	580.0	16.7	9.786	688.0	22.2	1.564			

1/ Starting depth of sample below surface (elevation, 7,927 feet).

2/ Mahogany marker at depth of 658 feet (elevation, 7,269 feet).

TABLE 29. - Scott Fee corehole 1, Pacific Oil Co., NE1/4SE1/4NE1/4 sec. 17, T. 6 S., R. 98 W., Garfield County, Colo.

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
45.0	5.2	2.092	193.0	15.6	16.136	344.5	16.4	12.643	453.0	42.1	10.416
50.0	14.9	11.070	207.0	17.7	7.723	355.0	17.8	10.995	457.0	21.7	9.508
60.0	9.1	5.661	213.0	10.3	3.170	363.5	15.6	9.797	463.2	31.5	1.666
68.0	15.9	8.204	217.0	21.6	15.274	372.0	13.6	9.691	464.0	18.2	3.297
75.0	11.4	8.702	227.0	17.1	12.488	381.5	6.8	2.155	466.5	38.3	6.064
85.0	9.9	3.057	237.0	17.8	7.761	385.5	16.8	10.452	469.0	27.9	9.448
89.0	7.7	3.028	243.0	17.1	4.371	394.0	20.9	11.136	474.0	20.4	4.363
94.0	3.8	3.096	246.5	16.5	8.473	401.5	5.8	3.479	477.0	19.5	2.799
104.0	4.4	3.208	253.5	25.7	8.836	409.0	22.0	7.759	479.0	17.6	3.842
113.0	14.5	6.481	258.5	18.0	10.450	414.0	17.6	3.842	482.0	32.0	4.215
119.0	8.0	3.138	266.5	13.6	11.220	417.0	31.2	14.468	484.0	10.8	3.312
124.0	12.8	3.866	277.5	12.3	6.061	424.0	19.8	5.671	488.0	22.0	5.431
128.0	7.2	5.686	284.0	19.1	13.752	428.0 ^{2/}	17.4	6.340	491.5	15.3	3.399
138.0	11.1	8.492	294.0	10.6	8.139	433.0	34.9	13.549	494.5	11.2	.856
148.0	6.7	5.314	304.0	13.5	10.134	439.0	46.0	13.880	495.5	15.8	5.245
158.0	12.2	9.257	314.0	18.9	13.628	444.0	40.7	8.124	500.0	12.3	5.128
168.0	13.5	10.134	324.0	16.4	10.837	447.2	22.1	3.582	505.5	-	-
178.0	10.0	7.714	333.0	14.8	9.903	449.5	36.1	2.318			
188.0	8.2	3.211	342.0	18.6	3.360	450.5	23.7	4.130			

^{1/} Starting depth of sample below surface (elevation 7,677 feet).^{2/} Mahogany marker at depth of 429 feet (elevation, 7,248 feet).

TABLE 30. - Syndicate corehole 1, Pacific Oil Co., center SW1/4NW1/4 sec. 11, T. 5 S., R. 99 W., Garfield County, Colo.

20	3.7	3.017	170	12.6	9.528	314.5	6.4	5.089	377.0	31.6	8.349
30	3.5	2.859	180	11.4	8.702	324.5	21.5	4.564	381.0	29.6	9.909
40	4.3	3.487	190	15.9	9.962	327.5	Missing		386.0	21.4	3.030
50	9.7	7.501	198.5	15.1	12.882	328	18.9	5.451	388.0	12.1	2.757
60	11.0	8.422	210	18.0	13.063	332	30.7	6.122	391.0	12.2	1.851
70	9.0	7.005	220	12.4	2.818	335	24.7	10.260	393.0	Missing	
80	9.7	7.501	223	17.4	10.144	341 ^{2/}	13.2	5.960	394.5	20.8	4.436
90	12.3	9.324	231	17.5	12.743	347	25.2	3.478	397.5	23.4	4.085
100	10.4	6.398	241	13.5	10.134	349	32.0	14.753	400.0	11.2	5.137
108	12.7	9.596	251	15.4	11.396	356	53.6	4.629	406.0	19.6	1.406
118	19.4	9.754	261	14.9	11.070	357.5	39.4	6.196	407.0	8.6	2.686
125	15.8	11.656	271	18.4	13.314	360.0	24.1	1.675	411.0	10.8	2.484
135	16.3	14.372	281	17.6	15.369	361.0	27.6	7.492	414.0	3.6	1.763
147	18.1	17.063	293	12.6	9.528	365.0	34.2	11.113	420.0	-	-
160	15.8	11.656	303	19.5	16.095	370.0	23.3	11.398			

^{1/} Starting depth of sample below surface (elevation, 7,881 feet).^{2/} Mahogany marker at depth of 343 ft. (elevation, 7,538 feet).

TABLE 31. - Syndicate corehole 2, Pacific Oil Co., SW1/4SW1/4SW1/4 sec. 9, T. 5 S., R. 98 W., Garfield County, Colo.

90.0	0.6	0.503	170.0	4.8	2.326	225.0	17.9	7.799	288.0	12.3	4.662
100.0	.8	.670	176.0	15.9	5.860	231.0	13.3	6.000	293.0	18.9	10.222
110.0	11.9	9.051	181.0	11.0	8.422	237.0	16.9	14.832	300.5	9.9	7.261
120.0	6.1	4.865	191.0	13.1	7.400	249.0	18.6	9.408	310.0	12.7	8.636
130.0	Missing		198.5	3.8	1.702	256.0	16.5	9.684	319.0	15.5	4.584
140.0	1.8	1.493	204.0	12.8	7.731	264.0	14.0	7.328	323.0	25.6	12.330
150.0	8.4	6.568	212.0	18.2	6.594	271.0	20.5	13.144	330.0	11.6	5.305
160.0	2.5	2.061	217.0	15.6	9.220	280.0	16.8	9.837	336.0	18.5	13.377

^{1/} Starting depth of sample below surface (elevation, 7,786 feet).

TABLE 31. - Syndicate corehole 2, Pacific Oil Co., SW1/4SW1/4SW1/4 sec. 9, T. 5 S., R. 98 W.,
Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
346.0	21.4	3.030	394.0	15.6	11.526	460.0	21.3	6.036	504.0	33.5	10.932
348.0	22.5	13.440	404.0	20.1	14.361	464.0	21.8	9.237	509.0	18.1	1.312
356.5	15.8	.583	414.0	14.2	7.421	470.0	18.6	5.376	510.0	19.3	13.874
357.0	13.2	2.980	421.0	12.4	9.392	474.0 2/	12.6	3.335	520.0	13.3	5.000
360.0	15.2	11.266	431.0	17.6	12.807	477.5	46.9	2.815	525.0	38.0	12.055
370.0	12.3	3.730	441.0	18.8	6.783	478.5	32.8	3.225	530.0	-	-
374.0	15.6	11.526	446.0	5.3	2.981	480.0	39.3	32.161			
384.0	12.9	9.732	453.0	28.6	13.491	493.0	31.7	23.015			

1/ Starting depth of sample below surface (elevation, 7,786 feet).

2/ Mahogany marker at depth of 474 ft. (elevation, 7,312 feet).

TABLE 32. - Wheeler corehole 1, Pacific Oil Co., 669.07 ft. E. and 328.93 ft. S. of NW corner sec.
12, T. 5 S., R. 98 W., Garfield County, Colo. (See fig. 12)

29.0	6.2	0.988	119.0	22.0	3.104	209.0	14.1	2.107	299.0	13.4	2.013
31.0	5.0	.806	121.0	17.0	2.485	211.0	15.8	2.331	301.0	19.6	2.811
33.0	2.3	.380	123.0	19.1	2.750	213.0	23.0	3.221	303.0	12.8	1.933
35.0	18.5	2.675	125.0	19.4	2.787	215.0	26.7	3.647	305.0	23.5	3.280
37.0	16.1	2.370	127.0	15.2	2.253	217.0	16.9	2.472	307.0	22.0	3.103
39.0	5.7	.912	129.0	18.5	2.675	219.0	8.2	1.284	309.0	17.6	2.561
41.0	3.5	.572	131.0	15.6	2.305	221.0	19.4	2.787	311.0	16.1	2.297
43.0	13.1	1.973	133.0	17.2	2.510	223.0	13.2	1.987	313.0	19.4	2.788
45.0	15.3	2.266	135.0	15.9	2.344	225.0	15.6	2.305	315.0	23.6	3.292
47.0	13.0	1.960	137.0	15.6	2.305	227.0	18.3	2.650	317.0	20.3	2.896
49.0	10.6	1.628	139.0	16.9	2.442	229.0	15.1	2.240	319.0	36.6	2.342
51.0	10.7	1.642	141.0	19.1	2.750	231.0	12.2	1.851	320.0	12.7	.960
53.0	11.2	1.712	143.0	21.3	3.018	233.0	19.1	2.750	321.0	7.0	.554
55.0	14.1	2.107	145.0	27.3	3.713	235.0	18.2	2.638	322.0	7.0	.554
57.0	12.0	1.824	147.0	25.1	3.466	237.0	14.5	2.160	323.0	7.6	.598
59.0	14.1	2.107	149.0	25.2	3.477	239.0	12.8	1.933	324.0	7.9	.620
61.0	11.3	1.726	151.0	19.6	2.811	241.0	15.0	2.227	325.0	5.5	.441
63.0	6.1	.973	153.0	17.1	2.498	243.0	13.1	1.973	326.0	3.1	.254
65.0	6.3	1.003	155.0	12.9	1.946	245.0	12.4	1.878	327.0	2.9	.238
67.0	7.5	1.181	157.0	19.3	2.775	247.0	11.5	1.754	328.0	6.8	.539
69.0	10.4	1.599	159.0	11.0	1.684	249.0	13.9	2.080	329.0	20.0	1.430
71.0	10.0	1.543	161.0	12.5	1.892	251.0	15.0	2.227	330.0	14.6	1.087
73.0	18.3	2.650	163.0	27.4	3.724	253.0	14.2	2.120	331.0	23.2	1.622
75.0	22.3	3.139	165.0	13.9	2.080	255.0	22.1	3.115	332.0	30.2	2.014
77.0	8.8	1.372	167.0	10.0	1.542	257.0	12.7	1.919	333.0	Missing	
79.0	8.1	1.270	169.0	14.8	2.200	259.0	9.8	1.514	334.0	21.1	1.497
81.0	6.7	1.063	171.0	8.0	1.255	261.0	23.3	3.256	335.0	16.0	1.178
83.0	11.5	1.754	173.0	11.4	1.740	263.0	19.1	2.750	336.0	17.9	1.300
85.0	9.7	1.500	175.0	15.3	2.266	265.0	14.4	2.147	337.0	18.8	1.356
87.0	9.9	1.528	177.0	18.8	2.713	267.0	11.8	1.796	338.0	27.8	1.884
89.0	17.4	2.536	179.0	12.5	1.892	269.0	19.1	2.750	339.0	20.0	1.430
91.0	9.3	1.444	181.0	10.4	1.599	271.0	13.4	2.013	340.0	26.8	1.829
93.0	9.1	1.415	183.0	22.9	3.209	273.0	14.7	2.187	341.0	43.3	2.659
95.0	17.9	2.600	185.0	18.8	2.713	275.0	16.1	2.369	342.0	41.6	2.581
97.0	9.7	1.500	187.0	13.0	1.960	277.0	20.0	2.860	343.0	30.7	2.041
99.0	8.7	1.357	189.0	17.0	2.484	279.0	21.1	2.994	344.0	26.4	1.807
101.0	16.5	2.421	191.0	27.2	3.702	281.0	21.6	3.055	345.0	21.2	1.503
103.0	23.2	3.245	193.0	9.5	1.472	283.0	31.3	4.144	346.0	14.7	1.094
105.0	16.2	2.383	195.0	14.9	2.214	285.0	19.5	2.799	347.0	28.4	1.916
107.0	29.2	3.920	197.0	26.6	3.636	287.0	13.5	2.027	348.0	17.0	1.242
109.0	22.1	3.115	199.0	25.1	3.466	289.0	14.0	2.094	349.0	17.8	1.293
111.0	13.2	1.987	201.0	13.9	2.080	291.0	11.3	1.726	350.0 2/	11.9	.905
113.0	14.7	2.187	203.0	10.5	1.614	293.0	16.6	2.434	351.0	13.7	1.027
115.0	16.9	2.472	205.0	14.1	2.107	295.0	19.9	2.848	352.0	10.7	.821
117.0	17.5	2.549	207.0	18.5	2.675	297.0	10.4	1.599	353.0	14.1	1.053

See footnotes at end of table.

TABLE 32. - Wheeler corehole 1, Pacific Oil Co., 669.07 ft. E. and 328.93 ft. S. of NW corner sec. 12, T. 5 S., R. 98 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
354.0	24.0	1.669	388.0	27.1	1.846	420.0	7.9	0.620	455.0	17.8	1.293
355.0	41.9	2.595	389.0	15.2	1.127	421.0	14.8	1.100	456.0	11.9	.905
356.0	23.2	1.622	390.0	22.6	1.587	422.0	29.5	1.976	457.0	15.6	1.153
357.0	21.6	1.527	391.0	36.3	2.328	423.0	24.0	1.670	458.0	11.7	.891
358.0	28.9	1.944	392.0	36.9	2.357	424.0	28.7	1.933	459.0	7.3	.576
359.0	32.6	2.139	393.0	39.3	2.474	425.0	31.9	2.102	460.0	5.1	.411
360.0	35.5	2.288	394.0	34.1	2.217	426.0	13.7	1.027	461.0	11.6	.884
361.0	38.3	2.425	395.0	34.2	2.222	427.0	12.4	.939	462.0	14.7	1.094
362.0	56.6	3.202	396.0	26.6	1.818	428.0	10.0	.771	463.0	12.6	.953
363.0	48.2	2.868	397.0	32.8	2.150	429.0	10.8	.828	464.0	11.1	.849
364.0	71.1	3.687	398.0	37.1	2.367	430.0	12.8	.966	465.0	16.2	1.191
365.0	59.1	3.293	399.0	41.6	2.581	431.0	16.7	2.446	466.0	13.4	1.007
366.0	45.2	2.742	400.0	29.5	1.976	433.0	7.3	1.152	467.0	9.7	.750
367.0	42.3	2.613	401.0	28.7	1.933	435.0	5.4	.433	468.0	15.5	1.146
368.0	42.6	2.627	402.0	17.7	1.287	436.0	5.0	.403	469.0	14.5	1.080
369.0	28.2	1.906	403.0	16.0	1.178	437.0	3.7	.302	470.0	11.9	.905
370.0	24.3	1.687	404.0	22.0	1.552	438.0	1.9	.157	471.0	15.8	1.166
371.0	40.6	2.534	405.0	25.4	1.750	439.0	2.3	.190	472.0	12.9	.973
372.0	49.8	2.935	406.0	15.6	1.152	440.0	2.8	.230	473.0	20.9	1.485
373.0	41.2	2.562	407.0	15.9	1.172	441.0	3.0	.246	474.0	17.7	1.287
374.0	34.9	2.258	408.0	7.9	.620	442.0	2.4	.198	475.0	19.3	2.775
375.0	40.8	2.543	409.0	18.1	1.312	443.0	3.6	.294	477.0	31.6	4.174
376.0	42.0	2.600	410.0	24.4	1.693	444.0	2.4	.396	479.0	24.2	3.362
377.0	Missing		411.0	12.1	.919	446.0	9.4	.729	481.0	10.0	1.543
380.0	26.8	1.829	412.0	13.7	1.027	447.0	4.4	.356	483.0	27.7	3.757
381.0	24.4	1.693	413.0	27.9	1.890	448.0	23.7	1.652	485.0	21.3	3.018
382.0	31.5	2.082	414.0	29.1	1.954	449.0	23.8	1.658	487.0	19.0	2.738
383.0	43.5	2.668	415.0	14.8	1.100	450.0	53.8	3.094	489.0	29.0	3.898
384.0	22.6	1.587	416.0	17.3	1.262	451.0	53.4	3.078	491.0	26.9	3.669
385.0	23.4	1.634	417.0	37.1	2.367	452.0	13.3	1.000	493.0	20.9	2.970
386.0	19.1	1.375	418.0	32.8	2.150	453.0	18.6	1.344	495.0	33.4	5.453
387.0	34.4	2.233	419.0	14.7	1.094	454.0	42.2	2.609	497.5	-	-

1/ Starting depth of sample below surface (elevation, 7,833.1 feet).

2/ Mahogany marker at depth of 350.4 feet (elevation, 7,482.7 feet).

TABLE 33. - Bartlement Mesa corehole, Pure Oil Co., SW1/4NW1/4 sec. 36, T. 7 S., R. 94 W., Garfield County, Colo.

556	6.6	0.524	569	17.8	1.293	582	10.2	0.786	595	6.1	0.486
557	15.2	1.127	570	13.7	1.027	583	32.9	2.155	596	10.8	.828
558	9.7	.750	571	9.1	.708	584	19.8	1.418	597	17.3	1.262
559	10.2	.786	572	17.3	1.261	585	16.2	1.191	598	6.1	.486
560	35.6	2.293	573	19.4	1.393	586	27.1	1.846	599	4.1	.333
561	14.2	1.060	574	12.5	.946	587	36.1	2.318	600	5.2	.418
562	11.2	.856	575	10.2	.786	588	50.9	2.980	601	5.6	.449
563	9.7	.750	576 2/	13.2	.993	589	32.9	2.155	602	19.9	1.424
564	18.3	1.325	577	9.1	.708	590	18.5	1.338	603	15.3	1.133
565	9.7	.750	578	7.6	.598	591	13.2	.995	604	9.7	.750
566	20.6	1.466	579	9.1	.708	592	21.8	1.540	605	-	-
567	26.4	1.807	580	5.6	.449	593	17.3	1.262			
568	17.8	1.293	581	10.2	.786	594	10.2	.786			

1/ Starting depth of sample below surface (elevation, 9,448 feet).

2/ Mahogany marker at depth of 576 feet (elevation, 8,872 feet).

TABLE 34. - Bear Run corehole 1, Sun Oil Co., NW1/4NW1/4 sec. 25, T. 5 S., R. 97 W.,
Garfield County, Colo.

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
332.0	10.8	8.281	480.0	19.4	13.935	661.5	35.3	26.200	765.0	15.3	13.597
342.0	9.2	7.147	490.0	13.1	9.866	673.0	25.9	3.557	777.0	30.1	12.054
352.0	Missing		500.0	21.7	15.335	675.0	38.0	3.616	783.0	9.6	2.601
353.0	19.7	2.823	510.0	15.3	11.331	676.5	22.3	13.334	786.5	23.4	10.622
355.0	38.4	6.805	520.0	15.9	11.720	685.0	36.9	4.714	793.0	14.9	3.100
357.8	Missing		530.0	14.3	10.669	687.0	28.1	20.905	795.8	27.8	6.029
364.5	13.1	4.440	540.0	16.8	12.296	698.0	22.9	3.209	799.0	14.6	3.261
369.0	15.3	9.972	550.0	18.0	13.063	700.0	17.6	5.763	802.0	21.1	2.994
377.8	17.2	12.442	560.0	21.5	15.213	704.5	28.4	6.708	804.0	15.7	9.272
387.7	15.8	10.490	570.0	14.3	10.669	708.0	17.7	3.861	812.0	27.3	5.198
396.7	20.6	14.665	580.0	14.7	10.936	711.0	27.6	4.683	814.8	6.8	.377
406.7	Missing		590.0	19.2	13.813	713.5	14.1	1.580	815.5	26.8	6.401
407.6	17.1	8.853	600.0	21.3	15.091	715.0	18.9	4.770	819.0	4.9	1.977
416.3	17.0	11.803	610.0	7.4	5.834	718.5	21.1	11.976	824.0	Missing	
425.8	23.6	14.978	620.0	23.4	16.342	726.5	12.9	4.379	825.0	40.2	12.580
434.9	14.4	9.877	630.0	27.6	18.731	731.0	3.5	3.860	830.0	22.5	1.581
444.1	15.1	12.210	640.0 ^{2/}	13.8	4.650	744.5	6.6	.786	831.0	-	-
455.0	12.2	4.628	644.5	45.0	4.100	746.0	36.5	8.182			
460.0	14.3	10.669	646.0	40.0	32.588	749.5	18.5	11.370			
470.0	21.1	14.970	659.0	5.6	1.122	758.0	12.7	6.717			

^{1/} Starting depth of sample below surface (elevation, 8,118 feet).^{2/} Mahogany marker at depth of 640 feet (elevation, 7,478 feet).TABLE 35. - Magor Camp corehole 2, Sun Oil Co., SW1/4NW1/4NW1/4 sec. 20, T. 5 S., R. 97 W.,
Garfield County, Colo.

61.7	9.0	3.714	178.5	8.0	1.255	305.0	31.8	5.873	441.0	32.7	4.289
67.0	15.0	1.448	180.5	11.8	3.143	307.8	14.7	3.500	443.0	28.1	11.402
68.3	4.8	2.403	184.0	14.2	4.771	311.0	18.3	6.626	449.0	49.0	17.406
74.5	8.8	2.401	188.5	25.7	4.418	316.0	18.0	8.882	455.0	31.6	8.349
78.0	3.5	1.286	191.0	11.1	2.972	322.8	13.2	2.185	459.0	28.7	11.596
82.5	23.9	1.664	194.5	18.1	13.782	325.0	13.4	9.060	465.0	38.3	9.702
83.5	8.9	7.626	205.0	18.1	18.376	334.0	13.9	10.401	469.0	23.3	8.956
94.5	2.3	2.374	219.0	14.5	12.104	344.0	16.9	13.596	474.5	30.8	16.369
107.0	4.4	1.782	229.0	21.3	15.091	355.0	15.7	10.432	482.5	29.1	12.703
112.0	2.8	2.994	239.0	23.0	8.053	364.0	21.3	15.091	489.0	17.3	7.569
125.0	7.6	5.981	244.0	13.6	9.691	374.0	14.8	11.003	495.0	15.5	5.730
135.0	29.3	4.324	253.5	18.3	12.589	384.0	13.8	10.334	500.0	22.1	15.576
137.2	7.1	3.255	263.0	10.5	4.679	394.0	22.3	5.493	510.0	26.2	12.568
143.0	25.5	3.512	268.8	25.9	.356	397.5	11.8	3.143	517.0	12.8	7.731
145.0	11.0	11.791	269.0	16.8	12.296	401.0	19.7	14.117	525.0	4.1	4.330
159.0	7.5	4.135	279.0	13.0	3.920	411.0	11.5	7.017	538.0	18.7	9.452
166.0	4.3	1.116	283.0	23.0	3.543	419.0	20.0	2.860	545.0	-	-
169.2	13.5	2.837	285.2	18.7	13.233	421.0	22.7	12.744			
172.0	21.7	5.367	295.0	11.7	3.564	429.0	27.7	14.089			
175.5	9.0	2.101	299.0	15.6	6.916	436.5 ^{2/}	13.6	4.590			

^{1/} Starting depth of sample below surface (elevation, 7,987 feet).^{2/} Mahogany marker at depth of 437 feet (elevation, 7,550 feet).

TABLE 36. - Summer's Cabin corehole 3, Sun Oil Co., NE1/4NE1/4SE1/4 sec. 2, T. 5 S.,
R. 97 W., Garfield County, Colo.

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
186.0	7.8	3.677	462.0	14.1	10.535	766.8	17.2	4.644	1087.0	3.1	0.763
192.0	18.5	2.675	472.0	14.3	10.669	770.5	10.3	2.774	1090.0	5.4	3.034
194.0	6.2	1.482	482.0	17.8	11.641	774.0	22.0	12.414	1097.0	9.3	2.165
197.0	12.0	2.736	491.0	19.5	13.996	782.0	14.8	11.002	1100.0	8.0	3.138
200.0	16.3	4.791	501.0	21.8	9.237	792.0	14.6	4.348	1105.0	6.9	2.185
204.0	10.2	9.427	507.0	7.3	1.728	796.0	31.4	20.077	1109.0	12.8	2.899
216.0	11.9	5.159	510.0	5.6	2.692	806.0	21.7	19.935	1112.0	16.5	2.663
221.7	7.3	3.341	516.0	23.5	8.200	819.0	21.9	12.365	1114.2	16.4	3.371
227.5	9.1	6.014	521.0	15.8	2.098	827.0	10.0	9.257	1117.0	12.2	3.240
236.0	17.3	5.929	522.8	31.0	18.922	839.0	9.7	5.251	1120.5	14.3	1.600
240.7	12.0	5.746	532.02/	15.9	10.548	846.0	2.3	2.279	1122.0	15.3	6.572
247.0	11.9	7.241	541.0	13.7	.821	858.0	9.4	9.330	1127.8	6.8	2.263
255.0	12.4	1.878	541.8	29.7	8.347	870.8	2.6	.899	1132.0	19.3	9.712
257.0	18.4	5.326	546.0	47.5	14.198	875.0	9.3	10.105	1139.0	22.0	3.103
261.0	13.2	5.960	551.0	51.4	14.998	889.0	21.2	4.509	1141.0	24.9	13.773
267.0	24.0	3.005	556.0	33.9	11.036	892.0	3.6	1.763	1149.0	17.0	3.727
268.8	17.5	12.998	561.0	43.3	13.329	898.0	27.4	5.586	1152.0	20.5	14.896
279.0	16.6	7.301	566.0	28.5	12.493	901.0	2.6	2.570	1162.2	9.1	1.981
285.0	16.9	12.360	572.5	24.9	15.185	913.0	15.8	14.141	1165.0	25.6	5.284
295.0	14.9	11.070	582.0	33.9	11.036	924.5	5.7	1.597	1168.0	13.3	6.000
305.0	18.9	7.496	587.0	34.6	13.457	928.0	12.7	2.399	1174.0	6.2	1.284
310.5	29.5	5.336	593.0	19.6	9.137	930.5	7.3	2.016	1176.6	12.0	3.648
313.2	19.9	15.378	599.5	15.4	9.117	934.0	19.7	4.235	1180.6	5.9	1.414
324.0	13.0	4.900	607.5	27.3	3.713	937.0	20.0	6.006	1183.6	21.5	6.085
329.0	15.4	11.396	609.5	17.1	5.620	941.2	10.6	10.418	1187.6	12.3	4.103
339.0	13.1	7.893	614.0	35.0	4.526	954.0	21.7	13.801	1192.0	20.5	4.381
347.0	11.7	5.347	616.0	17.6	5.123	963.0	16.8	8.607	1195.0	16.1	7.109
353.0	33.0	6.481	620.0	23.7	19.822	970.0	4.2	1.875	1201.0	12.5	4.730
356.0	12.6	4.764	632.0	8.0	13.809	975.5	14.9	3.874	1206.0	18.6	4.032
361.0	28.2	3.812	654.0	25.6	22.900	979.0	26.3	10.806	1209.0	6.8	3.770
363.0	14.7	5.637	667.0	12.5	3.784	985.0	3.2	2.098	1216.0	9.0	5.600
368.2	43.1	4.770	671.0	16.2	9.530	993.0	13.4	6.040	1224.0	4.7	1.519
370.0	12.9	4.866	679.0	19.4	12.541	999.0	3.4	2.224	1228.0	3.8	3.900
375.0	11.4	2.610	688.0	17.8	3.880	1007.0	10.9	13.362	1240.6	12.3	7.460
378.0	14.6	6.522	691.0	31.0	12.340	1023.0	20.7	2.945	1248.6	4.1	2.798
384.0	28.0	9.475	697.0	30.1	17.077	1025.0	8.7	3.930	1257.0	15.6	2.997
389.0	18.1	3.938	705.5	18.0	3.266	1030.8	26.9	7.705	1259.6	4.6	.521
392.0	16.6	8.518	708.0	35.4	11.416	1035.0	20.4	5.526	1261.0	9.6	5.944
399.0	11.9	4.526	713.0	13.2	3.477	1038.8	21.0	5.964	1269.0	3.1	.763
404.0	16.7	4.648	716.5	33.7	7.249	1042.8	12.8	2.609	1272.0	14.6	7.608
407.8	13.6	7.344	719.8	33.3	9.139	1045.5	5.9	3.536	1279.0	4.1	.999
415.0	13.3	10.000	724.0	8.4	7.225	1053.0	26.7	7.294	1281.0	.0	.000
425.0	15.7	8.114	735.0	28.3	13.378	1057.0	8.1	7.620	1287.0	5.1	4.354
432.0	12.4	6.575	742.0	16.9	11.124	1069.0	6.3	2.758	1297.6	-	-
439.0	14.8	7.702	751.0	20.4	5.817	1074.5	17.8	8.408			
446.0	17.3	12.616	755.0	19.2	4.144	1081.0	12.0	3.648			
456.0	24.9	10.330	758.0	19.8	12.477	1085.0	5.6	.897			

1/ Starting depth of sample below surface (elevation, 7,837 feet).

2/ Mahogany marker at depth of 538 feet (elevation, 7,299 feet).

TABLE 37. - Jann corehole, Tell Ertl, SW1/4NW1/4SW1/4 sec. 18, T. 2 S., R. 99 W.,
Rio Blanco County, Colo. (See fig. 13)

203.0	1.2	0.200	215.0	14.9	2.214	227.5	Missing		241.0	12.6	1.905
205.0	1.1	.315	217.0	11.4	1.740	231.5	11.2	1.284	243.0	11.4	1.744
207.0	1.0	.168	219.0	9.9	1.528	233.0	12.6	1.906	245.0	14.6	2.174
209.0	1.1	.184	221.0	10.3	1.585	235.0	11.0	1.684	247.0	11.7	1.782
211.0	3.8	.619	223.0	13.1	1.973	237.0	13.1	1.973	249.0	9.8	1.514
213.0	8.4	1.314	225.0	15.6	2.881	239.0	12.8	1.933	251.0	13.6	2.040

1/ Starting depth of sample below surface (elevation, 7,238 feet).

TABLE 37. - Jann corehole, Tell Ertl, SW1/4NW1/4SW1/4 sec. 18, T. 2 S., R. 99 W.,
Rio Blanco County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
253.0	19.6	2.811	284.0	8.6	0.671	310.0	18.0	1.306	338.0	17.4	1.268
255.0	12.2	1.851	285.0	11.7	.891	311.0	27.8	1.884	339.0	18.6	1.344
257.0	6.1	.973	286.0	16.5	1.210	312.0	16.5	1.210	340.0	19.5	1.400
259.0	13.3	2.000	287.0	17.3	1.262	313.0	17.5	1.274	341.0	23.6	1.646
261.0	24.3	3.373	288.0	19.2	1.381	314.0	21.9	1.546	342.0	44.1	2.695
263.0	8.6	.671	289.0	10.5	.807	315.0	27.5	1.867	343.0	42.9	2.641
264.0	11.2	.856	290.0	7.3	.576	316.0	13.1	.987	344.0	27.6	7.492
265.0	24.0	1.669	291.0	9.3	.722	317.0	7.0	.554	348.0 2/	7.6	1.196
266.0	11.6	.884	292.0	9.1	.708	318.0	6.5	.516	350.0	9.1	.708
267.0	9.2	.715	293.0	7.0	.554	319.0	6.2	.494	351.0	20.7	1.473
268.0	11.4	.870	294.0	10.6	.814	320.0	4.9	.395	352.0	36.2	2.323
269.0	14.8	1.100	295.0	19.2	1.381	321.0	10.9	.835	353.0	21.2	1.503
270.0	13.6	1.020	296.0	17.0	1.242	322.0	7.2	.569	354.0	24.2	1.681
271.0	14.5	1.080	297.0	15.4	1.140	323.0	4.6	.372	355.0	19.5	1.470
272.0	20.0	1.430	298.0	9.5	.736	324.0	7.2	.569	356.0	27.0	1.840
273.0	23.0	1.611	299.0	10.1	.778	325.0	6.2	.494	357.0	33.0	2.160
274.0	19.4	1.393	300.0	10.6	.814	326.0	4.3	.349	358.0	37.7	2.396
275.0	21.3	1.509	301.0	21.3	1.509	327.0	2.6	.214	359.0	42.3	2.613
276.0	21.4	1.515	302.0	28.7	1.933	328.0	2.4	.198	360.0	53.8	3.094
277.0	25.2	1.739	303.0	15.1	1.120	329.0	6.2	.494	361.0	58.8	3.282
278.0	27.1	1.846	304.0	14.1	1.053	330.0	17.3	1.262	362.0	49.1	2.905
279.0	17.4	1.268	305.0	15.3	1.133	331.0	25.1	5.200	363.0	38.0	2.410
280.0	12.7	.960	306.0	16.2	1.191	334.0	27.6	1.873	364.0	38.2	2.421
281.0	11.8	.898	307.0	13.7	1.027	335.0	18.1	1.312	365.0	-	-
282.0	12.7	.960	308.0	12.5	.946	336.0	14.0	1.047			
283.0	10.9	.835	309.0	11.1	.849	337.0	15.2	1.127			

1/ Starting depth of sample below surface (elevation, 7,238 feet).

2/ Mahogany marker at depth of 348 feet (elevation, 6,890 feet).

TABLE 38. - Matt corehole, Tell Ertl, center of SW1/4SW1/4 sec. 33, T. 1 S., R. 100 W.,
Rio Blanco County, Colo. (See fig. 14)

9	7.3	1.150	56	25.3	1.744	84	17.5	1.274	112	11.4	0.870
11	10.4	1.599	57	17.4	1.268	85	18.0	1.306	113	13.8	1.033
13	12.3	1.865	58	16.2	1.191	86	18.7	1.350	114	29.3	1.965
15	8.9	1.386	59	16.9	1.236	87	22.7	1.593	115	17.1	1.249
17	7.2	1.137	60	14.8	1.100	88	22.0	1.552	116	30.0	2.004
19	12.5	1.892	61	11.0	.842	89	34.6	2.243	117	35.3	2.278
21	10.1	1.557	62	12.1	.919	90	32.8	2.150	118	24.5	1.698
23	9.6	1.486	63	15.3	1.133	91	41.0	2.553	119	23.5	1.640
25	12.1	1.838	64	16.5	1.210	92	28.3	1.911	120	31.4	2.077
27	10.4	1.599	65	27.6	1.873	93	33.9	2.207	121	22.9	1.605
29	17.3	2.523	66	25.4	1.750	94	23.8	1.658	122	24.1	1.675
31	10.2	1.571	67	24.5	1.698	95	17.7	1.287	123	15.1	1.120
33	18.3	2.650	68	21.3	1.509	96	25.7	1.767	124	14.3	1.067
35	13.0	1.960	69	18.4	1.331	97	26.9	1.834	125	12.4	1.878
37	22.8	3.198	70	8.1	.635	98	17.5	1.274	127	20.1	2.872
39	8.2	1.284	71	7.7	.606	99	17.9	1.300	129	18.3	2.650
41	5.5	.882	72	7.6	.598	100	24.7	1.710	131	10.9	1.670
43	4.8	.775	73 2/	10.7	.871	101	37.5	2.386	133	8.1	1.270
45	5.3	.852	74	12.8	.966	102	41.5	2.576	135	13.4	2.013
47	5.1	.411	75	12.3	.932	103	28.8	1.938	137	7.9	1.240
48	4.6	.372	76	20.1	1.436	104	38.5	2.435	139	23.3	3.256
49	4.3	.349	77	12.9	.973	105	20.1	1.436	141	11.4	1.740
50	2.2	.182	78	12.2	.926	106	23.2	1.622	143	22.5	3.162
51	2.4	.198	79	13.5	1.013	107	21.3	1.509	145	31.8	4.395
52	2.5	.206	80	22.6	1.587	108	19.9	1.424	147	10.5	1.614
53	10.7	.821	81	7.5	.591	109	14.9	1.107	149	-	-
54	18.3	1.325	82	21.9	1.546	110	22.5	1.581			
55	11.0	.842	83	29.4	1.971	111	23.5	1.640			

1/ Starting depth of sample below surface (elevation, 8,293 feet).

2/ Mahogany marker at depth of 73 feet (elevation, 8,220 feet).

TABLE 39. - Phil corehole, Tell Ertl, NE1/4SE1/4 sec. 25, T. 1 S., R. 100 W.,
Rio Blanco County, Colo. (See fig. 15)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
9.5	8.3	1.299	81.5	1.8	0.298	137.0	15.7	1.159	173.0	42.9	2.641
11.5	9.3	1.444	83.5	7.5	1.182	138.0	14.5	1.080	174.0	25.1	1.733
13.5	7.1	1.122	85.5	9.5	1.472	139.0	14.6	1.087	175.0	24.8	1.716
15.5	8.9	1.386	87.5	8.9	1.386	140.0	27.1	1.846	176.0	15.8	1.166
17.5	6.7	1.063	89.5	11.7	1.782	141.0	20.9	1.485	177.0	25.0	1.727
19.5	3.5	.572	91.5	10.8	1.656	142.0	13.3	1.000	178.0	23.2	1.622
21.5	4.0	.651	93.5	9.0	1.401	143.0	16.5	1.210	179.0	16.7	1.223
23.5	11.4	1.740	95.5	14.0	2.094	144.0	9.2	.715	180.0	16.2	1.191
25.5	8.7	1.357	97.5	18.7	2.700	145.02/	11.4	.870	181.0	25.4	1.750
27.5	3.7	.603	99.5	17.9	2.599	146.0	11.0	.842	182.0	21.6	1.527
29.5	2.1	.348	101.5	15.6	2.305	147.0	7.4	.583	183.0	33.9	2.207
31.5	.5	.084	103.5	7.5	1.181	148.0	5.4	.433	184.0	23.9	1.664
33.5	1.1	.184	105.5	6.8	1.077	149.0	11.0	.842	185.0	37.7	2.396
35.5	.4	.067	107.5	7.5	1.182	150.0	40.5	2.530	186.0	38.0	2.410
37.5	.0	.000	109.5	3.5	.572	151.0	22.2	1.564	187.0	38.6	2.440
39.5	.4	.067	111.5	2.9	.477	152.0	20.9	1.485	188.0	36.8	2.352
41.5	6.5	1.033	113.5	17.1	2.498	153.0	20.9	1.485	189.0	31.9	2.102
43.5	6.9	1.093	115.5	12.9	1.946	154.0	25.9	1.778	190.0	31.1	2.062
45.5	10.3	1.585	117.5	26.3	4.502	155.0	23.5	1.646	191.0	26.4	1.807
47.5	16.0	2.357	120.0	15.1	1.120	156.0	45.3	2.746	192.0	32.6	2.139
49.5	6.1	.973	121.0	12.5	.946	157.0	32.0	2.108	193.0	34.7	2.248
51.5	10.6	1.628	122.0	12.8	.966	158.0	61.1	3.364	194.0	40.5	2.530
53.5	12.2	1.851	123.0	15.5	1.146	159.0	55.6	3.163	195.0	28.6	1.927
55.5	14.3	2.134	124.0	21.6	1.527	160.0	45.7	2.763	196.0	29.0	1.949
57.5	17.3	2.523	125.0	23.8	1.658	161.0	32.8	2.150	197.0	23.3	1.628
59.5	19.9	2.848	126.0	21.9	1.546	162.0	39.7	2.493	198.0	17.7	1.287
61.5	19.4	2.787	127.0	18.3	1.325	163.0	32.8	2.150	199.9	13.4	1.007
63.5	12.6	1.906	128.0	16.6	1.217	164.0	22.7	1.593	200.0	16.8	1.230
65.5	9.0	1.401	129.0	23.5	1.640	165.0	27.7	1.878	201.0	19.0	1.369
67.5	7.6	1.196	130.0	33.6	2.192	166.0	29.3	1.965	202.0	18.8	1.356
69.5	14.0	2.094	131.0	27.7	1.878	167.0	22.6	1.587	203.0	15.5	1.146
71.5	14.8	2.200	132.0	30.1	2.009	168.0	19.1	1.375	204.0	10.7	.821
73.5	18.0	2.612	133.0	44.4	2.708	169.0	20.1	1.436	205.0	5.9	.471
75.5	14.7	2.187	134.0	26.7	1.823	170.0	34.2	2.222	206.0	-	-
77.5	12.9	1.946	135.0	23.2	1.222	171.0	42.3	2.613			
79.5	11.3	1.726	136.0	22.7	1.593	172.0	41.4	2.571			

1/ Starting depth of sample below surface (elevation, 7,428 feet).

2/ Mahogany marker at depth of 145 feet (elevation, 7,283 feet).

TABLE 40. - Ray corehole, Tell Ertl, center of west line of SW1/4NW1/4 sec. 21, T. 1 S.,
R. 100 W., Rio Blanco County, Colo. (See fig. 16)

10	6.6	0.524	24	7.1	0.561	80	13.9	7.281	123	17.8	2.587
11	16.9	1.236	25	9.0	.701	87	15.0	7.796	125	16.5	2.421
12	13.3	1.000	26	11.0	.842	94	12.3	6.527	127	27.7	3.757
13	13.6	1.020	27	12.3	.932	101	21.9	3.091	129	33.3	4.352
14	12.8	.966	28	11.2	.856	103	18.6	2.688	131	23.8	3.315
15	12.0	.912	29	11.3	.863	105	13.6	2.040	133	28.9	3.887
16	7.4	.583	30	11.1	.849	107	13.0	1.960	135	28.7	3.866
17	7.7	.606	31	23.5	11.480	109	18.9	2.726	137	23.3	3.256
18	7.9	.620	38	26.7	12.764	111	19.8	2.836	139	21.2	3.006
19	14.0	1.047	45	18.6	9.408	113	19.8	2.836	141	12.6	1.906
20	25.3	1.744	52	4.7	2.659	115	19.0	2.738	143	10.2	1.571
21	21.6	1.527	59	.6	.352	117	26.0	3.568	145	17.4	2.536
22	17.0	1.242	66	15.8	8.159	119	9.8	1.514	147	19.3	2.775
23	9.9	.764	73	21.6	10.692	121	12.7	1.919	150	-	-

1/ Starting depth of sample below surface (elevation, 8,157 feet).

2/ Mahogany marker not identified, possibly due to incomplete core recovery for interval at depth of 31 to 101 feet. The available core for this interval was divided into samples, each representing 7 feet.

TABLE 41. - Bella Castle corehole 1, Union Oil Co. of California, NW1/4NW1/4 sec. 19, T. 5 S., R. 95 W., Garfield County, Colo.

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
570.3	3.55	2.898	817.3	8.85	0.689	980.3	24.00	1.673	1020.3	36.27	2.326
580.3	3.21	2.630	818.3	11.95	.908	981.3	15.38	1.138	1021.3	13.15	.990
590.3	5.13	4.130	819.3	25.98	17.832	982.3	15.95	1.175	1022.3	24.16	1.679
600.3	9.96	7.686	829.3	15.93	11.739	983.3 2/	6.24	.497	1023.3	34.67	2.246
610.3	1.28	1.068	839.3	15.59	11.520	984.3	11.71	.892	1024.3	46.78	2.810
620.3	1.20	1.002	849.3	13.02	9.812	985.3	11.11	.850	1025.3	28.45	1.919
630.3	11.57	8.820	859.3	11.42	8.716	986.3	28.31	1.912	1026.3	22.58	1.586
640.3	9.33	7.239	869.3	15.16	11.240	987.3	39.24	2.471	1027.3	26.05	1.787
650.3	8.88	6.918	879.3	14.90	11.070	988.3	41.12	2.558	1028.3	22.91	1.605
660.3	9.76	7.544	889.3	12.31	9.331	989.3	24.68	1.709	1029.3	32.77	2.148
670.3	12.74	9.623	899.3	14.18	10.589	990.3	25.79	1.772	1030.3	30.73	2.042
680.3	12.93	9.752	909.3	14.37	10.716	991.3	27.04	1.842	1031.3	38.60	2.440
690.3	11.34	8.660	919.3	11.54	8.800	992.3	33.49	2.186	1032.3	22.04	1.554
700.3	13.62	10.214	929.3	13.17	9.913	993.3	37.54	2.388	1033.3	16.19	1.191
710.3	16.84	12.322	939.3	19.05	13.721	994.3	42.03	2.601	1034.3	17.18	1.254
720.3	13.83	10.354	949.3	22.50	11.068	995.3	55.70	3.167	1035.3	19.10	1.375
730.3	15.23	11.286	956.3	1.32	.577	996.3	36.20	2.323	1036.3	29.82	1.994
740.3	19.64	14.080	957.3	11.80	.898	997.3	75.81	3.822	1037.3	40.01	2.507
750.3	12.11	9.196	958.3	10.41	.800	998.3	65.76	3.520	1038.3	38.34	2.428
760.3	13.34	10.027	959.3	8.37	.655	999.3	54.00	3.102	1039.3	32.79	2.149
770.3	12.20	9.257	960.3	10.24	.788	1000.3	42.10	2.604	1040.3	33.54	2.188
780.3	13.51	10.141	961.3	28.04	1.897	1001.3	48.60	2.884	1041.3	34.69	2.247
790.3	13.90	10.401	962.3	17.58	1.279	1002.3	46.42	2.794	1042.3	28.62	1.928
800.3	15.71	1.160	963.3	31.76	2.095	1003.3	28.14	1.903	1043.3	45.27	2.745
801.3	12.95	.976	964.3	20.25	1.445	1004.3	27.13	1.847	1044.3	43.88	2.685
802.3	13.18	.992	965.3	20.22	1.443	1005.3	22.65	1.590	1045.3	31.02	2.058
803.3	26.08	1.789	966.3	13.00	.980	1006.3	28.24	1.908	1046.3	30.44	2.027
804.3	10.99	.842	967.3	18.42	1.333	1007.3	36.78	2.351	1047.3	28.31	1.912
805.3	9.02	.702	968.3	21.64	1.530	1008.3	33.92	2.208	1048.3	24.42	1.694
806.3	8.76	.683	969.3	22.48	1.580	1009.3	49.85	2.937	1049.3	25.79	1.772
807.3	9.79	.756	970.3	23.32	1.629	1010.3	40.83	2.544	1050.3	16.45	1.207
808.3	10.55	.810	971.3	17.58	1.279	1011.3	26.05	1.787	1051.3	15.11	1.121
809.3	8.76	.683	972.3	31.74	2.094	1012.3	11.25	.860	1052.3	18.14	1.315
810.3	6.96	.551	973.3	22.84	1.601	1013.3	18.78	1.355	1053.3	17.85	1.297
811.3	7.99	.627	974.3	32.17	2.117	1014.3	21.81	1.540	1054.3	32.10	2.113
812.3	12.93	.975	975.3	29.08	1.953	1015.3	21.83	1.541	1055.3	18.59	1.343
813.3	13.70	1.027	976.3	24.35	1.690	1016.3	25.31	1.745	1056.3	14.56	1.084
814.3	12.64	.955	977.3	18.59	1.343	1017.3	36.13	2.320	1057.3	15.81	1.166
815.3	11.37	.868	978.3	14.18	1.059	1018.3	49.87	2.938	1058.3	11.90	.905
816.3	10.34	.795	979.3	20.87	1.483	1019.3	49.01	2.901	1059.3	-	-

1/ Starting depth of sample below surface (elevation, 7,986 feet).

2/ Mahogany marker at depth of 983.3 feet (elevation, 7,002.7 feet).

TABLE 42. - Betty corehole, Union Oil Co. of California, center N1/2, NW1/4NW1/4 sec. 21, T. 4 S., R. 95 W., Garfield County, Colo. (See fig. 11)

220	9.7	1.500	246	14.4	2.147	272	8.4	1.314	298	10.4	1.599
222	9.6	1.436	248	17.7	2.574	274	11.2	1.712	300	8.7	1.357
224	8.8	1.372	250	17.2	2.510	276	9.4	1.458	302	11.3	1.726
226	8.2	1.285	252	14.1	2.107	278	10.1	1.557	304	12.7	1.919
228	10.5	1.614	254	11.0	1.684	280	9.4	1.458	306	16.3	2.395
230	10.5	1.614	256	10.0	1.543	282	10.6	1.624	308	10.1	1.557
232	10.9	1.670	258	12.0	1.824	284	4.1	.668	310	10.3	1.585
234	7.5	1.182	260	13.8	2.067	286	5.2	.837	312	18.3	2.650
236	7.0	1.108	262	16.6	2.434	288	12.2	1.851	314	15.8	2.331
238	8.9	1.386	264	12.8	1.933	290	12.9	1.946	316	17.8	2.587
240	8.7	1.357	266	10.5	1.614	292	10.5	1.614	318	11.0	1.684
242	8.6	1.343	268	15.8	2.331	294	10.8	1.656	320	13.4	2.013
244	14.1	2.107	270	7.2	1.137	296	28.2	3.812	322	14.4	2.147

See footnotes at end of table.

TABLE 42. - Betty corehole, Union Oil Co. of California, center N1/2, NW1/4 sec. 21,
T. 4 S., R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.
324	14.7	2.187	452	14.2	2.120	580	24.9	3.443	664	74.4	3.782
326	14.6	2.174	454	14.2	2.120	582	30.0	4.008	665	76.2	3.831
328	17.6	2.561	456	41.7	3.175	584	18.5	2.675	666	62.3	3.405
330	14.1	2.107	458	35.6	4.586	586	14.6	2.174	667	61.1	3.364
332	17.5	2.549	460	26.6	3.636	588	16.8	2.459	668	53.6	3.086
334	15.9	2.344	462	15.2	2.253	590	17.4	2.536	669	49.3	2.914
336	12.5	1.892	464	12.4	1.878	592	15.7	2.318	670	41.1	2.557
338	13.6	2.040	466	14.1	2.107	594	18.8	2.713	671	36.1	2.318
340	15.7	2.318	468	8.2	1.285	596	25.7	3.534	672	26.2	1.795
342	14.7	2.187	470	8.3	1.299	598	18.8	2.713	673	28.2	1.906
344	14.6	2.174	472	22.2	3.127	600	18.4	2.663	674	33.6	2.192
346	13.6	2.040	474	16.7	2.446	602	32.4	4.257	675	52.0	3.024
348	14.8	2.201	476	12.4	1.878	604	17.1	2.498	676	45.2	2.742
350	16.5	2.421	478	14.4	2.147	606	7.8	1.226	677	40.7	2.539
352	15.1	2.240	480	20.4	2.909	608	9.2	1.429	678	42.3	2.613
354	15.9	2.344	482	13.8	2.067	610	7.6	1.196	679	46.4	2.793
356	14.0	2.094	484	13.7	2.053	612	11.6	1.768	680	29.7	1.987
358	15.9	2.344	486	11.4	1.740	614	25.9	3.557	681	24.3	1.687
360	18.3	2.650	488	11.2	1.712	616	33.9	4.414	682	23.4	1.634
362	15.8	2.331	490	12.0	1.824	618	41.8	5.180	683	24.9	1.722
364	23.1	3.233	492	12.7	1.919	620	18.6	1.343	684	22.5	1.581
366	27.9	3.779	494	12.8	1.933	621	26.1	1.790	685	25.4	1.750
368	23.2	3.245	496	10.9	1.670	622	17.7	1.287	686	27.8	1.884
370	24.3	3.374	498	11.2	1.712	623	14.9	1.107	687	38.6	2.440
372	19.7	2.823	500	12.2	1.851	624	15.8	1.165	688	29.0	1.949
374	17.2	2.510	502	15.3	2.266	625	18.6	1.344	689	49.1	2.905
376	12.3	1.865	504	16.0	2.357	626	19.2	1.381	690	48.0	2.550
378	13.3	2.000	506	10.7	1.642	627	25.4	1.750	691	42.0	2.600
380	16.8	2.459	508	17.4	2.536	628	31.6	2.087	692	24.7	1.710
382	9.7	1.500	510	20.0	2.860	629	34.4	2.233	693	26.0	1.784
384	11.4	1.740	512	19.7	2.823	630	24.0	1.670	694	22.3	1.569
386	22.1	3.115	514	14.7	2.187	631	26.1	1.790	695	32.5	2.134
388	26.2	3.591	516	11.5	1.734	632	37.9	2.406	696	25.9	1.779
390	13.9	2.080	518	9.9	1.529	633	38.3	2.426	697	29.0	1.949
392	10.5	1.614	520	5.5	.882	634	45.2	2.742	698	33.8	2.202
394	11.7	1.754	522	10.3	1.585	635	41.7	2.585	699	31.1	2.062
396	9.4	1.458	524	18.4	2.663	636	32.3	2.123	700	18.9	1.363
398	9.9	1.529	526	20.6	2.957	637	28.7	1.933	701	24.4	1.693
400	10.9	1.670	528	16.9	2.472	638	25.7	1.767	702	27.6	1.873
402	8.1	1.270	530	10.9	1.670	639	19.0	1.369	703	23.2	1.622
404	27.6	3.746	532	10.2	1.571	640	14.2	1.060	704	37.3	2.377
406	22.3	3.139	534	10.2	1.571	641	29.7	1.987	705	37.1	2.367
408	9.9	1.529	536	12.1	1.838	642	23.3	1.628	706	35.3	2.278
410	11.2	1.712	538	19.7	2.823	643	15.4	1.140	707	31.2	2.067
412	11.0	1.684	540	15.2	2.253	644 2/	13.4	1.007	708	29.5	1.976
414	9.1	1.415	542	15.3	2.266	645	13.2	.993	709	37.4	2.382
416	25.5	3.512	544	16.9	2.472	646	16.6	1.217	710	43.1	2.650
418	22.0	3.104	546	22.0	3.104	647	11.0	.842	711	46.1	2.780
420	13.0	1.960	548	32.1	4.226	648	9.3	.722	712	46.4	2.793
422	10.4	1.599	550	35.6	4.586	649	14.4	1.074	713	47.0	2.819
424	9.7	1.500	552	21.2	3.006	650	10.7	.821	714	35.9	2.308
426	8.9	1.386	554	14.1	2.107	651	17.0	1.242	715	31.7	2.092
428	9.3	1.444	556	12.5	1.892	652	31.5	2.082	716	36.0	2.313
430	15.7	2.318	558	10.7	1.642	653	46.9	2.815	717	34.0	2.212
432	20.6	2.933	560	11.0	1.684	654	41.3	2.567	718	30.8	2.046
434	47.2	5.655	562	15.0	2.227	655	27.0	1.840	719	25.0	1.727
436	38.9	4.910	564	18.8	2.713	656	23.7	1.652	720	23.6	1.645
438	12.9	1.946	566	14.6	2.174	657	28.3	1.911	721	23.7	1.652
440	10.3	1.585	568	9.0	1.399	658	30.4	2.025	722	22.0	1.552
442	9.3	1.444	570	9.3	1.444	659	32.1	2.113	723	18.0	1.306
444	12.7	1.919	572	12.5	1.892	660	21.9	1.546	724	13.9	1.040
446	15.2	2.253	574	20.2	2.884	661	33.1	2.166	725	19.5	1.400
448	13.4	2.013	576	19.8	2.836	662	33.8	2.202	726	9.6	.743
450	12.6	1.906	578	13.0	1.960	663	46.0	2.776	727	20.0	1.430

See footnotes at end of table.

TABLE 42. - Betty corehole, Union Oil Co. of California, center N1/2, NW1/4NW1/4 sec. 21, T. 4 S., R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
728	21.9	1.546	739	14.8	1.100	750	38.3	2.426	761	15.5	1.146
729	24.9	1.722	740	20.4	1.454	751	24.7	1.710	762	17.7	1.287
730	19.7	1.412	741	32.7	2.145	752	19.8	1.418	763	14.0	1.047
731	14.0	1.047	742	49.0	2.901	753	19.8	1.418	764	19.1	1.375
732	8.4	.657	743	32.6	2.139	754	21.2	1.503	765	10.6	.814
733	9.5	.736	744	22.1	1.558	755	26.6	1.818	766	13.2	.993
734	11.3	.863	745	17.4	1.268	756	25.7	1.767	767	24.0	1.670
735	25.4	1.750	746	18.6	1.344	757	26.1	1.790	768	23.5	1.640
736	40.4	2.525	747	34.2	2.223	758	16.6	1.217	769	11.8	7.185
737	20.1	1.436	748	33.5	2.186	759	19.5	1.400	777	-	-
738	15.5	1.146	749	38.1	2.416	760	16.7	1.223			

^{1/} Starting depth of sample below surface (elevation, 7,468 feet).

^{2/} Mahogany marker at depth of 644 feet (elevation, 6,824 feet).

TABLE 43. - Blackbird corehole, Union Oil Co. of California, NW1/4NW1/4NW1/4 sec. 7, T. 5 S., R. 96 W., Garfield County, Colo. (See fig. 18)

26	12.8	1.933	110	8.7	1.357	194	24.5	3.397	278	15.7	2.318
28	5.1	.821	112	9.6	1.486	196	18.6	2.688	280	12.9	1.946
30	6.9	1.093	114	9.9	1.529	198	15.0	2.227	282	12.5	1.892
32	4.2	.682	116	13.4	2.013	200	14.4	2.147	284	19.2	2.763
34	8.6	1.343	118	19.8	2.836	202	20.0	2.860	286	13.7	2.053
36	19.1	2.750	120	20.9	2.970	204	12.4	1.878	288	13.4	2.013
38	12.1	1.838	122	8.0	1.255	206	13.9	2.080	290	12.3	1.865
40	10.7	1.642	124	7.0	1.108	208	33.6	4.383	292	14.7	2.187
42	9.4	1.458	126	12.0	1.824	210	18.9	2.726	294	13.6	2.040
44	8.2	1.285	128	12.2	1.851	212	12.9	1.946	296	11.5	1.754
46	9.8	1.514	130	18.4	2.663	214	9.1	1.415	298	12.2	1.851
48	11.3	1.726	132	14.2	2.120	216	13.4	2.013	300	16.0	2.357
50	13.4	2.013	134	8.3	1.299	218	9.0	1.401	302	10.6	1.628
52	12.3	1.865	136	24.8	3.432	220	8.9	1.386	304	13.1	1.973
54	8.8	1.372	138	11.9	1.810	222	9.7	1.500	306	19.4	2.787
56	6.3	1.003	140	8.9	1.386	224	29.6	3.964	308	14.5	2.160
58	6.6	1.048	142	13.1	1.973	226	14.1	2.107	310	8.6	1.343
60	8.9	1.386	144	21.4	3.030	228	11.2	1.712	312	14.4	2.147
62	6.6	1.048	146	19.2	2.763	230	11.3	1.726	314	18.9	2.726
64	7.8	1.226	148	12.9	1.946	232	19.3	2.775	316	5.3	.852
66	6.4	1.018	150	11.9	1.810	234	20.3	2.897	318	11.4	1.744
68	7.6	1.196	152	19.8	2.836	236	13.9	2.080	320	11.3	1.726
70	6.7	1.063	154	12.9	1.946	238	10.8	1.656	322	17.7	2.576
72	4.8	.775	156	14.0	2.094	240	20.5	2.921	324	11.4	1.744
74	6.8	1.078	158	16.5	2.421	242	30.1	4.018	326	13.6	2.040
76	15.5	2.292	160	18.7	2.701	244	13.6	2.040	328	14.6	2.174
78	25.5	3.512	162	18.8	2.713	246	18.6	2.688	330	16.6	2.434
80	7.1	1.122	164	18.0	2.613	248	33.9	2.414	332	18.6	2.688
82	6.4	1.018	166	18.3	2.650	250	15.1	2.240	334	19.5	2.799
84	6.5	1.033	168	15.5	2.292	252	13.1	1.973	336	23.1	3.233
86	22.4	3.151	170	17.0	2.485	254	10.4	1.599	338	21.5	3.043
88	11.1	1.796	172	15.9	2.344	256	12.1	1.838	340	15.4	2.279
90	10.0	1.543	174	15.9	2.344	258	18.1	2.625	342	12.2	1.851
92	9.9	1.529	176	17.8	2.587	260	12.0	1.824	344	11.7	1.782
94	7.9	1.241	178	16.5	2.421	262	14.3	2.134	346	10.5	1.614
96	11.3	1.726	180	15.7	2.318	264	29.0	3.898	348	15.4	2.279
98	12.0	1.824	182	15.5	2.292	266	25.9	3.557	350	18.0	2.613
100	11.3	1.726	184	18.0	2.613	268	12.9	1.946	352	12.1	1.838
102	10.9	1.670	186	20.4	2.909	270	14.6	2.174	354	9.2	1.429
104	10.7	1.642	188	26.9	3.669	272	20.4	2.909	356	18.2	2.638
106	10.2	1.571	190	20.2	2.884	274	16.5	2.421	358	17.0	2.485
108	10.0	1.543	192	26.8	3.658	276	16.7	2.446	360	11.1	1.698

See footnotes at end of table.

TABLE 43. - Blackbird corehole, Union Oil Co. of California, NW1/4NW1/4 sec. 7, T. 5 S., R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
362	12.2	1.851	404	30.2	2.014	432	60.6	3.347	460	15.3	1.133
364	14.9	2.214	405	20.7	1.473	433	49.6	2.927	461	16.4	1.204
366	22.6	3.174	406	32.4	2.129	434	37.6	2.391	462	19.9	1.424
368	14.4	2.147	407	37.3	2.377	435	43.4	2.663	463	37.8	2.401
370	18.6	2.688	408	46.3	2.789	436	25.2	1.739	464	36.4	2.333
372	15.7	2.318	409	37.2	2.372	437	20.2	1.442	465	26.6	1.818
374	22.1	3.115	410	30.3	2.020	438	19.6	1.406	466	28.1	1.900
376	24.1	3.350	411	25.0	1.727	439	28.4	1.917	467	30.0	2.004
378	18.4	2.663	412	20.2	1.442	440	43.8	2.681	468	30.3	2.020
380	29.4	3.941	413	14.2	1.060	441	30.0	2.004	469	29.7	1.987
382	16.4	2.408	414	28.1	1.900	442	18.5	1.338	470	37.1	2.367
384	8.3	1.299	415	20.1	1.436	443	18.9	1.363	471	42.9	2.641
386	10.2	1.571	416	17.7	1.287	444	32.5	2.134	472	41.5	2.576
388	7.8	1.226	417	13.1	.987	445	47.7	2.848	473	27.6	1.873
390	5.2	.418	418 2/	14.1	1.053	446	48.2	2.868	474	29.3	1.965
391	5.3	.426	419	10.7	.821	447	33.9	2.207	475	26.4	1.807
392	2.4	.198	420	13.5	1.013	448	41.7	2.585	476	15.3	1.133
393	3.7	.302	421	36.3	2.328	449	42.2	2.609	477	17.2	1.509
394	7.5	.591	422	39.5	2.483	450	22.3	1.569	478	21.3	1.509
395	18.5	1.338	423	22.5	1.581	451	21.9	1.546	479	20.5	1.460
396	14.4	1.074	424	22.9	1.605	452	39.2	2.469	480	29.1	1.954
397	32.6	2.139	425	20.5	1.460	453	41.0	2.553	481	14.6	1.087
398	32.6	2.139	426	31.2	2.067	454	17.8	1.293	482	16.3	1.198
399	22.2	1.564	427	23.9	1.664	455	23.5	1.640	483	12.8	.966
400	18.5	1.338	428	51.7	3.012	456	21.3	1.509	484	13.6	1.020
401	15.3	1.133	429	52.4	3.039	457	21.4	1.515	485	-	-
402	18.6	1.344	430	49.7	2.914	458	40.4	2.525			
403	27.5	1.868	431	69.6	3.642	459	25.7	1.767			

1/ Starting depth of sample below surface (elevation, approximately 7,755 feet).

2/ Mahogany marker at depth of 418 feet (elevation, approximately 7,337 feet).

TABLE 44. - Buff corehole, Union Oil Co. of California, NW1/4NW1/4 sec. 23, T. 4 S., R. 96 W., Garfield County, Colo. (See fig. 19)

322.0	1.3	0.217	372.0	9.4	1.458	422.0	11.3	1.726	472.0	18.2	2.638
324.0	1.3	.217	374.0	8.6	1.343	424.0	8.6	1.343	474.0	15.5	2.292
326.0	2.9	.477	376.0	9.7	1.500	426.0	8.8	1.372	476.0	15.8	2.331
328.0	1.7	.282	378.0	5.5	.882	428.0	19.3	2.775	478.0	22.6	3.174
330.0	5.2	.837	380.0	6.6	1.028	430.0	17.3	2.523	480.0	23.2	3.245
332.0	5.0	.806	382.0	6.6	1.028	432.0	11.3	1.726	482.0	25.2	3.478
334.0	4.0	.651	384.0	5.8	.928	434.0	11.6	1.768	484.0	23.7	3.304
336.0	5.8	.928	386.0	8.1	1.270	436.0	19.3	2.775	486.0	15.7	2.318
338.0	4.4	.713	388.0	9.5	1.472	438.0	11.9	1.810	488.0	15.8	2.331
340.0	9.1	1.415	390.0	13.2	1.987	440.0	12.0	1.824	490.0	12.0	1.824
342.0	11.4	1.740	392.0	13.1	1.973	442.0	15.3	2.266	492.0	16.7	2.446
344.0	4.0	.651	394.0	11.4	1.740	444.0	15.6	2.305	494.0	14.4	2.147
346.0	1.3	.217	396.0	8.4	1.314	446.0	19.3	2.775	496.0	9.6	1.486
348.0	5.8	.928	398.0	8.1	1.270	448.0	15.1	2.240	498.0	12.9	1.946
350.0	9.9	1.529	400.0	8.8	1.372	450.0	16.4	2.408	500.0	29.5	3.953
352.0	5.9	.943	402.0	5.9	.943	452.0	17.0	2.485	502.0	14.2	2.120
354.0	5.8	.928	404.0	9.7	1.500	454.0	14.0	2.094	504.0	10.8	1.656
356.0	13.4	2.013	406.0	10.3	1.585	456.0	15.2	2.253	506.0	9.5	1.472
358.0	12.6	1.906	408.0	2.1	.347	458.0	15.6	2.305	508.0	14.1	2.107
360.0	12.0	1.824	410.0	2.1	.347	460.0	15.8	2.331	510.0	7.9	1.241
362.0	9.6	1.486	412.0	2.2	.384	462.0	14.2	2.120	512.0	9.9	1.529
364.0	8.2	1.285	414.0	11.9	1.810	464.0	16.5	2.421	514.0	17.1	2.496
366.0	5.4	.867	416.0	14.9	2.214	466.0	15.4	2.279	516.0	16.9	2.472
368.0	8.3	1.299	418.0	16.4	2.408	468.0	15.3	2.266	518.0	13.0	1.960
370.0	10.9	1.670	420.0	26.5	3.624	470.0	16.1	2.370	520.0	11.2	1.712

1/ Starting depth of sample below surface (elevation, approximately 7,581 feet).

TABLE 44. - Buff corehole, Union Oil Co. of California, NW1/4NW1/4SE1/4 sec. 23, T. 4 S.,
R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
522.0	11.2	1.712	612.0	13.2	1.987	702.0	6.7	1.063	758.0	60.6	3.347
524.0	27.9	3.779	614.0	7.7	1.211	704.0	6.0	.958	759.0	57.8	3.246
526.0	13.6	2.040	616.0	10.7	1.642	706.0	7.8	1.226	760.0	52.3	3.035
528.0	11.9	1.810	618.0	25.7	3.534	708.0	5.7	.912	761.0	43.3	2.659
530.0	9.6	1.486	620.0	12.9	1.946	710.0	5.8	.928	762.0	41.0	2.553
532.0	10.1	1.557	622.0	27.0	3.680	712.0	16.5	2.421	763.0	42.3	2.613
534.0	30.9	4.103	624.0	21.7	3.067	714.0	14.1	2.107	764.0	55.4	3.156
536.0	22.9	3.209	626.0	19.2	2.763	716.0	52.0	6.047	765.0	51.7	3.012
538.0	10.0	1.543	628.0	19.2	2.763	718.0	25.8	3.546	766.0	49.3	2.914
540.0	29.7	3.975	630.0	11.6	1.768	720.0	17.0	2.858	767.0	33.0	2.160
542.0	37.0	4.724	632.0	15.2	2.253	722.0	19.4	2.369	768.0	27.2	1.851
544.0	17.2	2.510	634.0	15.7	2.318	724.0	34.5	2.238	769.0	47.4	1.835
546.0	11.7	1.782	636.0	18.9	2.726	725.0	22.2	1.564	770.0	51.5	3.004
548.0	11.9	1.810	638.0	24.8	3.432	726.0	33.5	2.186	771.0	52.2	3.031
550.0	9.1	1.415	640.0	18.2	2.638	727.0	37.8	2.402	772.0	48.8	2.893
552.0	16.4	2.408	642.0	21.7	2.994	728.0	35.9	2.308	773.0	53.6	3.086
554.0	14.7	2.187	644.0	20.3	2.897	729.0	41.1	2.557	774.0	50.0	2.944
556.0	12.3	1.865	646.0	22.1	3.115	730.0	37.6	2.391	775.0	39.9	2.502
558.0	15.6	2.305	648.0	23.2	3.245	731.0	26.2	1.795	776.0	52.0	3.024
560.0	33.4	4.362	650.0	19.1	2.750	732.0	26.8	1.829	777.0	34.3	2.228
562.0	26.1	3.580	652.0	14.5	2.160	733.0	16.0	1.179	778.0	29.5	1.975
564.0	15.7	2.318	654.0	12.4	1.878	734.0	16.4	1.204	779.0	27.0	1.840
566.0	10.1	1.557	656.0	10.4	1.599	735.0	35.2	2.273	780.0	26.7	1.823
568.0	25.4	3.500	658.0	15.6	2.305	736.0	29.2	1.960	781.0	38.8	2.450
570.0	11.6	1.768	660.0	18.8	2.713	737.0	16.2	1.191	782.0	52.8	3.055
572.0	12.1	1.838	662.0	17.4	2.536	738.0	17.5	1.274	783.0	42.3	2.613
574.0	18.1	2.625	664.0	9.6	1.486	739.0 2/	12.1	.919	784.0	24.0	1.670
576.0	15.1	2.240	666.0	9.5	1.472	740.0	11.6	.884	785.0	25.5	1.756
578.0	11.5	1.754	668.0	20.5	2.921	741.0	9.7	.750	786.0	27.2	1.851
580.0	10.0	1.543	670.0	19.9	2.848	742.0	8.3	.650	787.0	31.6	2.087
582.0	12.7	1.919	672.0	13.5	2.027	743.0	13.5	1.013	788.0	26.1	1.790
584.0	21.9	3.091	674.0	13.7	2.053	744.0	14.9	1.107	789.0	43.6	2.672
586.0	14.4	2.147	676.0	14.1	2.107	745.0	47.9	2.856	790.0	29.8	1.993
588.0	12.0	1.824	678.0	24.7	3.420	746.0	35.9	2.308	791.0	20.9	1.485
590.0	12.6	1.906	680.0	21.6	3.055	747.0	22.9	1.605	792.0	15.7	1.159
592.0	14.3	2.134	682.0	12.7	1.919	748.0	23.7	1.652	793.0	15.6	1.153
594.0	13.4	2.013	684.0	19.5	2.799	749.0	32.2	2.118	794.0	20.8	1.479
596.0	12.6	1.906	686.0	17.4	2.536	750.0	37.2	2.372	795.0	18.4	1.331
598.0	10.9	1.670	688.0	16.8	2.459	751.0	36.5	2.338	796.0	38.3	2.426
600.0	12.2	1.851	690.0	22.8	3.198	752.0	27.9	1.890	797.0	27.9	1.890
602.0	16.1	2.370	692.0	17.3	2.523	753.0	61.9	3.390	798.0	37.4	2.382
604.0	12.9	1.946	694.0	22.0	3.104	754.0	43.0	2.645	799.0	36.7	14.084
606.0	13.0	1.960	696.0	23.0	3.221	755.0	63.0	3.430	805.0	37.0	15.826
608.0	23.0	3.221	698.0	33.7	4.394	756.0	74.8	3.793	811.7	-	-
610.0	19.6	2.811	700.0	13.9	2.080	757.0	73.5	3.757			

1/ Starting depth of sample below surface (elevation, approximately 7,581 feet).

2/ Mahogany marker at depth of 739 feet (elevation, approximately 6,842 feet).

TABLE 45. - Edna corehole, Union Oil Co. of California, NE1/4SW1/4SW1/4 sec. 27, T. 4 S.,
R. 95 W., Garfield County, Colo. (See fig. 20)

424	0.4	0.067	440	1.4	0.233	456	0.1	0.017	472	10.9	1.670
426	.3	.050	442	2.0	.331	458	1.2	.200	474	9.0	1.401
428	.5	.084	444	.8	.134	460	20.9	2.970	476	10.6	1.628
430	.2	.034	446	.6	.101	462	11.7	1.782	478	8.3	1.299
432	.2	.034	448	.7	.117	464	9.0	1.401	480	8.0	1.255
434	1.3	.217	450	1.5	.249	466	7.7	1.211	482	8.8	1.372
436	1.0	.168	452	1.3	.217	468	10.2	1.571	484	5.3	.852
438	.4	.067	454	1.2	.200	470	11.6	1.768	486	7.0	1.108

1/ Starting depth of sample below surface (elevation, 8,401 feet).

TABLE 45. - Edna corehole, Union Oil Co. of California, NE1/4SW1/4SW1/4 sec. 27, T. 4 S.,
R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.
488	8.9	1.386	618	14.2	2.120	746	21.8	3.079	854	24.6	1.704
490	7.6	1.196	620	10.2	1.571	748	21.2	3.006	855	28.0	1.895
492	8.1	1.270	622	8.2	1.284	750	29.9	3.997	856	41.7	2.585
494	12.7	1.919	624	25.0	3.455	752	28.2	3.812	857	56.7	3.206
496	19.5	2.799	626	15.0	2.227	754	18.5	2.675	858	61.1	3.364
498	23.0	3.221	628	11.4	1.740	756	13.6	2.040	859	61.4	3.374
500	8.2	1.285	630	17.9	2.600	758	12.0	1.824	860	54.2	3.110
502	7.5	1.182	632	34.9	4.516	760	10.2	1.571	861	37.2	2.372
504	10.9	1.670	634	21.6	3.055	762	14.7	2.187	862	47.9	2.856
506	8.8	1.372	636	8.5	1.328	764	17.3	2.523	863	41.8	2.590
508	12.7	1.919	638	14.6	2.174	766	13.7	2.053	864	28.2	1.906
510	12.8	1.933	640	27.6	3.746	768	8.8	1.372	865	46.8	2.810
512	8.4	1.314	642	29.0	3.898	770	8.3	1.299	866	52.7	3.051
514	26.4	3.613	644	11.3	1.726	772	18.5	2.675	867	45.9	2.772
516	13.4	2.013	646	9.5	1.472	774	21.4	3.030	868	54.0	3.102
518	6.1	.973	648	8.4	1.314	776	17.7	2.574	869	50.1	2.948
520	7.2	1.137	650	12.0	1.824	778	12.5	1.892	870	48.7	2.889
522	8.3	2.498	652	15.6	2.305	780	14.1	2.107	871	52.9	3.059
526	15.2	2.253	654	13.2	1.987	782	14.0	2.094	872	19.7	1.412
528	12.5	1.892	656	10.7	1.642	784	16.0	2.357	873	24.0	1.670
530	12.5	1.892	658	16.4	2.408	786	20.6	2.933	874	25.5	1.756
532	11.2	1.712	660	23.2	3.245	788	15.3	2.266	875	24.5	1.698
534	14.5	2.160	662	26.9	3.669	790	18.3	2.650	876	23.8	1.658
536	26.2	3.591	664	13.0	1.960	792	16.5	2.420	877	26.9	1.834
538	14.0	2.094	666	10.4	1.599	794	26.5	3.624	878	26.6	1.818
540	10.7	1.642	668	14.7	2.187	796	36.0	4.626	879	25.1	1.733
542	13.0	1.960	670	13.9	2.080	798	19.2	2.763	880	24.0	1.670
544	15.2	2.253	672	10.0	1.543	800	22.5	3.162	881	29.7	1.987
546	17.2	2.510	674	9.7	1.500	802	27.6	3.746	882	35.9	2.308
548	16.2	2.383	676	15.2	2.253	804	9.3	5.774	883	27.5	1.868
550	13.1	1.973	678	16.1	2.370	812	6.9	3.278	884	38.4	2.430
552	14.4	2.147	680	10.9	1.670	818	25.5	3.512	885	54.5	3.121
554	15.3	2.266	682	10.2	1.571	820	30.0	4.008	886	43.8	2.681
556	15.1	2.240	684	12.2	1.851	822	16.9	2.472	887	23.8	1.658
558	14.5	2.160	686	15.2	2.253	824	18.3	1.325	888	25.6	1.762
560	15.5	2.292	688	11.7	1.782	825	21.6	1.527	889	33.7	2.197
562	13.2	1.987	690	11.6	1.768	826	31.8	2.097	890	28.0	1.895
564	11.1	1.698	692	12.7	1.919	827	19.5	1.400	891	21.2	1.503
566	14.1	2.107	694	11.8	1.796	828	24.5	1.698	892	35.6	2.293
568	15.3	2.266	696	20.5	2.921	829	45.7	2.763	893	34.6	2.243
570	17.5	2.549	698	12.4	1.878	830	35.3	2.278	894	28.7	1.933
572	18.3	2.650	700	10.8	1.656	831	44.8	2.725	895	17.8	1.293
574	17.3	2.523	702	10.7	1.642	832	46.1	2.780	896	17.7	1.287
576	30.9	4.103	704	11.5	1.754	833	32.0	2.108	897	18.6	1.344
578	22.3	3.139	706	11.6	1.768	834	25.4	1.750	898	29.4	1.971
580	25.7	3.534	708	13.9	2.080	835	29.4	1.971	899	31.8	2.097
582	20.3	2.896	710	21.3	3.018	836	20.6	1.466	900	21.9	1.546
584	16.7	2.446	712	22.1	3.115	837	17.6	1.281	901	34.8	2.253
586	11.8	1.796	714	21.2	3.006	838	24.6	1.704	902	35.5	2.288
588	15.3	2.266	716	16.4	2.408	839	25.2	1.739	903	29.1	1.954
590	17.3	2.523	718	9.5	1.472	840	15.6	1.152	904	37.7	2.396
592	10.7	1.642	720	9.1	1.415	841	17.6	1.281	905	40.2	2.516
594	9.7	1.500	722	19.3	2.775	842	11.5	.877	906	44.6	2.716
596	17.2	2.510	724	20.8	2.957	843	12.3	.932	907	45.9	2.772
598	18.4	2.663	726	15.1	2.240	844	8.7	.671	908	29.2	1.960
600	11.0	1.684	728	13.6	2.040	845	13.4	1.007	909	32.3	2.123
602	10.7	1.642	730	11.0	1.684	846	11.3	.863	910	36.5	2.338
604	9.6	1.486	732	17.9	2.599	847	47.8	2.852	911	30.3	2.020
606	13.6	2.040	734	16.8	2.459	848	36.8	2.352	912	23.3	1.628
608	11.2	1.712	736	11.6	1.768	849	32.3	2.123	913	17.4	1.268
610	7.5	1.182	738	13.2	1.986	850	30.8	2.046	914	15.7	1.159
612	14.8	2.200	740	16.4	2.408	851	22.3	1.569	915	21.9	1.546
614	33.9	4.414	742	14.4	2.147	852	25.6	1.762	916	22.3	1.569
616	28.2	3.812	744	18.0	2.612	853	29.8	1.993	917	17.2	1.255

See footnotes at end of table.

TABLE 45. - Edna corehole, Union Oil Co. of California, NE1/4SW1/4SW1/4 sec. 27, T. 4 S.,
R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
918	16.2	1.191	923	20.6	1.466	928	29.6	1.982	933	32.8	2.150
919	11.2	.856	924	16.1	1.185	929	18.7	1.350	934	28.6	1.927
920	14.0	1.047	925	9.5	.736	930	16.8	1.230	935	-	-
921	8.7	.679	926	11.6	.884	931	13.8	1.033			
922	13.2	.993	927	38.3	2.426	932	30.3	2.020			

^{1/} Starting depth of sample below surface (elevation, 8,001 feet).

^{2/} Mahogany marker at depth of 842 feet (elevation, 7,159 feet).

TABLE 46. - Florence corehole, Union Oil Co. of California, SE1/4SE1/4SE1/4 sec. 31, T. 4 S.,
R. 95 W., Garfield County, Colo. (See fig. 21)

59.0	2.8	0.576	145.5	15.4	2.279	231.5	11.7	1.782	315.5	10.7	1.642
61.5	2.4	.396	147.5	17.5	2.549	233.5	13.2	1.987	317.5	16.0	2.357
63.5	4.1	.666	149.5	43.5	5.336	235.5	19.7	2.823	319.5	19.8	2.836
65.5	7.0	1.108	151.5	24.6	3.408	237.5	19.1	2.750	321.5	14.2	2.120
67.5	8.3	1.299	153.5	12.8	1.933	239.5	13.2	1.987	323.5	9.6	1.486
69.5	18.4	2.663	155.5	12.9	1.946	241.5	11.4	1.740	325.5	8.6	1.343
71.5	5.3	.852	157.5	15.2	2.253	243.5	10.3	1.585	327.5	16.2	2.383
73.5	7.8	1.226	159.5	16.2	2.383	245.5	17.6	2.561	329.5	21.6	3.055
75.5	16.2	2.383	161.5	18.9	2.726	247.5	24.7	3.420	331.5	15.3	2.266
77.5	8.3	1.299	163.5	15.2	2.253	249.5	15.2	2.253	333.5	14.0	2.094
79.5	9.7	1.500	165.5	18.2	2.638	251.5	20.6	2.933	335.5	13.8	2.067
81.5	9.4	1.458	167.5	18.2	2.638	253.5	13.6	2.040	337.5	24.4	3.385
83.5	8.5	1.328	169.5	13.8	2.067	255.5	12.8	1.933	339.5	13.0	1.960
85.5	8.5	1.328	171.5	16.9	2.472	257.5	16.5	2.421	341.5	14.9	2.214
87.5	10.1	1.557	173.5	16.0	2.357	259.5	10.2	1.571	343.5	16.9	2.472
89.5	10.2	1.571	175.5	15.5	2.292	261.5	17.0	2.484	345.5	16.0	2.357
91.5	13.1	1.973	177.5	17.0	2.485	263.5	Missing		347.5	18.0	2.612
93.5	6.6	1.048	179.5	15.4	2.279	264.5	14.2	1.060	349.5	20.3	2.896
95.5	5.4	.867	181.5	15.0	2.227	265.5	11.8	1.796	351.5	21.9	3.091
97.5	2.2	.364	183.5	15.3	2.266	267.5	16.3	2.395	353.5	27.5	3.735
99.5	2.4	.396	185.5	18.4	2.663	269.5	33.6	4.383	355.5	25.3	3.489
101.5	6.8	1.078	187.5	19.8	2.836	271.5	19.1	2.750	357.5	18.3	2.650
103.5	4.2	.682	189.5	18.9	2.726	273.5	11.6	1.768	359.5	13.7	2.053
105.5	1.5	.250	191.5	27.4	3.724	275.5	15.8	2.331	361.5	11.8	1.796
107.5	4.1	.666	193.5	23.0	3.221	277.5	20.2	2.884	363.5	11.2	1.712
109.5	3.5	.572	195.5	26.7	3.647	279.5	26.5	3.624	365.5	15.8	2.331
111.5	4.4	.713	197.5	20.2	2.884	281.5	11.6	1.768	367.5	19.7	2.823
113.5	3.7	.603	199.5	16.3	2.395	283.5	14.4	2.147	369.5	14.1	2.107
115.5	3.8	.619	201.5	11.7	1.782	285.5	16.5	2.421	371.5	10.4	1.599
117.5	4.1	.666	203.5	13.9	2.080	287.5	15.8	2.331	373.5	9.0	1.401
119.5	11.1	1.698	205.5	17.2	2.510	289.5	12.3	1.865	375.5	17.4	2.536
121.5	4.8	.775	207.5	11.2	1.712	291.5	11.6	1.768	377.5	20.9	2.970
123.5	5.6	.897	209.5	15.7	2.318	293.5	17.2	2.510	379.5	23.2	3.245
125.5	7.2	1.137	211.5	28.2	3.812	295.5	21.0	2.982	381.5	45.1	5.475
127.5	11.9	1.810	213.5	11.8	1.796	297.5	14.0	2.094	383.5	44.5	5.424
129.5	6.8	1.078	215.5	10.3	1.585	299.5	12.2	1.851	385.5	23.4	3.268
131.5	14.6	2.174	217.5	11.4	1.740	301.5	12.7	1.919	387.5	16.5	2.421
133.5	12.5	1.892	219.5	12.8	1.933	303.5	15.6	2.305	389.5	18.4	2.663
135.5	8.7	1.357	221.5	8.5	1.328	305.5	13.7	2.053	391.5	18.2	2.638
137.5	25.1	3.466	223.5	15.4	2.279	307.5	11.6	1.768	393.5	17.4	2.536
139.5	12.4	1.878	225.5	21.3	3.018	309.5	10.6	1.628	396.7	20.9	2.970
141.5	8.0	1.255	227.5	21.5	3.043	311.5	15.0	2.227	397.5	29.6	3.964
143.5	9.4	1.458	229.5	11.5	1.754	313.5	14.0	2.094	399.5	19.6	2.811

^{1/} Starting depth of sample below surface (elevation, 7,609 feet).

TABLE 46. - Florence corehole, Union Oil Co. of California, SE1/4SE1/4 sec. 31, T. 4 S.,
R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
401.5	21.9	3.091	442.52/	12.8	0.966	476.5	52.0	3.024	510.5	17.5	1.274
403.5	34.4	4.465	443.5	8.8	.686	477.5	49.2	2.910	511.5	9.9	.764
405.5	8.1	1.270	444.5	13.6	1.020	478.5	54.6	3.125	512.5	19.4	1.393
407.5	7.2	1.137	445.5	21.3	1.509	479.5	31.0	2.057	513.5	24.8	1.716
409.5	5.8	.928	446.5	45.8	2.768	480.5	24.7	1.710	514.5	21.9	1.546
411.5	6.2	.988	447.5	28.9	1.944	481.5	31.4	2.077	515.5	21.5	1.521
413.5	2.9	.477	448.5	22.7	1.593	482.5	35.2	2.273	516.5	15.3	1.133
415.5	2.6	.214	449.5	22.5	1.581	483.5	30.8	2.046	517.5	15.0	1.114
416.5	5.2	.418	450.5	33.4	2.181	484.5	25.8	1.773	518.5	14.2	1.060
417.5	12.7	.960	451.5	35.1	2.268	485.5	25.2	2.737	519.5	13.2	.993
418.5	18.6	1.344	452.5	36.9	2.357	486.5	29.0	1.949	520.5	9.9	.764
419.5	22.6	1.587	453.5	60.4	3.339	487.5	33.1	2.166	521.5	15.1	1.120
420.5	43.4	2.663	454.5	40.7	2.539	488.5	28.3	1.911	522.5	16.2	1.191
421.5	22.5	1.581	455.5	56.3	3.190	489.5	29.0	1.949	523.5	10.3	.793
422.5	21.5	1.521	456.5	75.7	3.818	490.5	39.6	2.488	524.5	10.2	.786
423.5	16.2	1.191	457.5	60.3	3.336	491.5	26.8	1.829	525.5	7.3	.576
424.5	16.7	1.223	458.5	58.0	3.253	492.5	17.9	1.300	526.5	24.3	1.687
425.5	22.9	1.605	459.5	48.6	2.884	493.5	18.1	1.312	527.5	36.4	2.333
426.5	24.2	1.681	460.5	50.3	2.956	494.5	16.0	1.178	528.5	20.4	1.454
427.5	34.2	2.222	461.5	45.1	2.738	495.5	37.8	2.401	529.5	36.1	2.318
428.5	23.8	1.658	462.5	42.7	2.632	496.5	40.1	2.511	530.5	25.8	1.773
429.5	35.2	2.273	463.5	27.8	1.884	497.5	34.6	2.243	531.5	21.3	1.509
430.5	40.0	2.507	464.5	27.7	1.878	498.5	31.5	2.082	532.5	17.5	1.274
431.5	46.9	2.815	465.5	30.0	2.004	499.5	30.1	2.009	533.5	21.7	1.533
432.5	30.9	2.051	466.5	47.6	2.844	500.5	33.0	2.160	534.5	18.4	1.331
433.5	29.7	1.987	467.5	44.8	2.725	501.5	35.3	2.278	535.5	15.5	1.146
434.5	26.3	1.801	468.5	35.3	2.278	502.5	47.0	2.819	536.5	21.7	1.533
435.5	21.1	1.497	469.5	43.4	2.663	503.5	46.9	2.815	537.5	27.2	1.851
436.5	14.9	1.107	470.5	31.3	2.072	504.5	37.9	2.406	538.5	26.6	1.818
437.5	25.8	1.773	471.5	26.8	1.829	505.5	27.7	1.878	539.5	15.5	1.146
438.5	24.2	1.681	472.5	24.9	1.722	506.5	35.8	2.303	540.5	15.9	1.172
439.5	15.1	1.120	473.5	23.9	1.664	507.5	33.2	2.171	541.5	20.7	.736
440.5	16.7	1.223	474.5	36.5	2.338	508.5	25.5	1.756	542.0	-	-
441.5	8.3	.650	475.5	54.4	3.117	509.5	20.9	1.485			

1/ Starting depth of sample below surface (elevation, 7,609 feet).

2/ Mahogany marker at depth of 442 feet (elevation, 7,167 feet).

TABLE 47. - French corehole, Union Oil Co. of California, SE1/4SE1/4NE1/4 sec. 7, T. 5 S.,
R. 96 W., Garfield County, Colo. (See fig. 22)

25	9.7	4.501	57	17.4	2.536	85	12.5	1.892	113	17.4	2.536
31	10.6	1.628	59	7.8	1.226	87	22.0	3.104	115	16.1	2.370
33	11.2	1.712	61	7.6	1.196	89	18.7	2.701	117	15.2	2.253
35	11.3	1.726	63	9.6	1.486	91	15.5	2.292	119	16.8	2.459
37	11.2	1.712	65	9.3	1.444	93	15.3	2.266	121	18.0	2.612
39	9.7	1.500	67	6.1	.973	95	16.1	2.370	123	17.5	2.549
41	6.2	.988	69	17.0	2.485	97	16.8	2.459	125	29.8	3.986
43	6.4	1.018	71	10.5	1.614	99	19.7	2.823	127	21.8	3.079
45	7.2	1.137	73	7.0	1.108	101	17.7	2.574	129	26.0	3.511
47	7.3	1.152	75	16.4	2.408	103	18.5	2.675	131	19.0	2.730
49	8.9	1.386	77	9.0	1.401	105	15.6	2.305	133	17.0	2.485
51	7.5	1.182	79	10.4	1.599	107	17.3	2.523	135	13.2	1.987
53	14.4	2.147	81	28.7	3.866	109	15.6	2.305	137	16.7	2.446
55	21.1	2.994	83	14.7	2.187	111	15.1	2.240	139	9.8	1.514

1/ Starting depth of sample below surface (elevation, approximately 7,670 feet).

TABLE 47. - French corehole, Union Oil Co. of California, SE1/4SE1/4NE1/4 sec. 7, T. 5 S.,
R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
141	16.4	2.408	237	12.7	1.919	327	14.6	1.087	375	20.6	1.466
143	26.1	3.580	239	15.7	2.318	328	29.9	1.998	376	45.5	2.755
145	12.6	1.906	241	21.2	3.006	329	33.0	2.160	377	44.6	2.716
147	9.7	1.500	243	15.1	2.240	330	22.0	1.552	378	57.8	3.246
149	11.1	1.698	245	9.5	1.472	331	17.6	1.281	379	31.6	2.087
151	13.4	2.013	247	11.7	1.782	332	15.8	1.166	380	22.6	1.587
153	7.5	1.182	249	25.3	3.489	333	19.8	1.418	381	24.0	1.670
155	11.0	1.684	251	16.0	2.357	334	30.1	2.009	382	40.7	2.539
157	16.1	2.372	253	12.9	1.946	335	26.4	1.807	383	53.2	3.070
159	16.6	2.434	255	11.2	1.712	336	22.1	1.558	384	22.6	1.587
161	16.8	2.459	257	20.7	2.945	337	36.4	2.333	385	26.7	1.823
163	34.3	4.455	259	13.5	2.027	338	40.9	2.548	386	20.0	1.430
165	25.7	3.534	261	14.2	2.120	339	41.3	2.567	387	20.9	1.485
167	12.9	1.946	263	17.5	2.549	340	31.4	2.077	388	34.4	2.233
169	10.6	1.628	265	23.4	3.268	341	26.7	1.823	389	37.0	2.362
171	17.5	2.549	267	23.0	3.221	342	25.9	1.778	390	19.9	1.424
173	29.2	3.920	269	20.8	2.558	343	18.1	1.312	391	15.3	1.133
175	12.0	1.824	271	23.9	3.327	344	20.9	1.485	392	16.3	1.198
177	11.4	1.740	273	24.8	3.432	345	25.8	1.773	393	27.1	1.846
179	15.5	2.292	275	16.6	2.434	346	17.8	1.293	394	38.3	2.426
181	43.9	5.372	277	11.7	1.782	347	17.8	1.293	395	29.4	1.971
183	17.4	2.536	279	12.3	1.865	348 2/	9.9	.764	396	29.9	1.998
185	13.3	2.000	281	12.5	1.892	349	13.8	1.033	397	27.8	3.768
187	11.1	1.698	283	15.5	2.292	350	10.2	.786	399	30.1	2.009
189	10.6	1.628	285	19.4	2.787	351	13.2	.993	400	38.5	2.435
191	17.4	2.536	287	10.8	1.656	352	25.4	1.750	401	42.8	2.636
193	13.4	2.013	289	10.8	1.656	353	45.2	2.742	402	37.9	2.406
195	12.1	1.838	291	15.7	2.318	354	28.0	1.895	403	29.2	1.960
197	22.0	3.104	293	17.8	2.587	355	22.1	1.558	404	28.0	1.895
199	27.3	3.713	295	13.8	2.067	356	20.7	1.473	405	28.8	1.938
201	14.4	2.147	297	16.4	2.408	357	29.9	1.998	406	16.9	1.236
203	10.4	1.599	299	36.7	4.695	358	32.0	2.107	407	16.2	1.191
205	20.7	2.945	301	19.7	2.823	359	34.0	2.212	408	21.4	1.515
207	13.0	1.958	303	14.8	2.200	360	64.7	3.486	409	17.9	1.300
209	14.7	2.187	305	18.3	2.650	361	40.3	2.520	410	24.7	1.710
211	17.0	2.485	307	16.4	2.408	362	57.8	3.253	411	13.6	1.020
213	13.4	2.013	309	27.0	3.680	363	70.9	3.681	412	15.0	1.114
215	11.1	1.698	311	20.9	2.970	364	61.0	3.361	413	14.1	1.053
217	19.0	2.738	313	18.5	2.675	365	54.2	3.109	414	10.1	.778
219	15.4	2.279	315	31.2	4.134	366	44.9	2.729	415	16.8	1.230
221	13.8	2.067	317	10.0	1.543	367	47.6	2.844	416	20.1	1.436
223	12.3	1.865	319	7.2	1.137	368	47.0	2.819	417	12.2	.926
225	14.3	2.134	321	16.0	1.178	369	40.3	2.520	418	11.6	.884
227	13.3	2.000	322	7.3	.576	370	23.8	1.658	419	20.7	1.473
229	11.9	1.810	323	7.5	.591	371	23.1	1.616	420	-	-
231	11.7	1.782	324	3.1	.254	372	25.8	1.773			
233	12.0	1.824	325	4.0	.325	373	42.7	2.632			
235	15.4	2.279	326	14.8	1.100	374	54.0	3.101			

1/ Starting depth of sample below surface (elevation, approximately 7,670 feet).

2/ Mahogany marker at depth of 348 feet (elevation, approximately 7,322 feet).

TABLE 48. - Grace corehole, Union Oil Co. of California, SE1/4NW1/4NW1/4 sec. 25, T. 4 S.,
R. 96 W., Garfield County, Colo. (Res. sig. 23)

267.2	4.7	0.760	277.2	8.6	1.343	287.2	6.1	.973	297.2	13.5	2.027
269.2	8.3	1.299	279.2	7.6	1.196	289.2	4.9	.791	299.2	19.9	2.848
271.2	21.4	3.030	281.2	8.8	1.372	291.2	5.8	.928	301.2	10.7	1.642
273.2	8.8	1.372	283.2	10.5	1.614	293.2	6.7	1.063	303.2	6.2	.988
275.2	9.4	1.458	285.2	9.9	1.528	295.2	9.1	1.415	305.2	7.3	1.152

1/ Starting depth of sample below surface (elevation, 7,672 feet).

TABLE 48. - Grace corehole, Union Oil Co. of California, SE1/4NW1/4NW1/4 sec. 25, T. 4 S.,
R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
307.2	9.8	1.514	435.2	10.4	1.599	563.2	19.5	2.799	670.2	24.4	1.693
309.2	7.4	1.167	437.2	8.1	1.270	565.2	12.3	1.865	671.2	24.2	1.681
311.2	13.3	2.000	439.2	17.8	2.587	567.2	13.0	1.960	672.2	14.0	1.047
313.2	12.6	1.906	441.2	17.0	2.465	569.2	14.2	2.120	673.2	14.8	1.100
315.2	9.3	1.444	443.2	10.1	1.557	571.2	14.2	2.120	674.2	30.9	2.051
317.2	8.9	1.386	445.2	8.6	1.343	573.2	15.4	2.279	675.2	22.6	1.587
319.2	27.5	3.735	447.2	8.7	1.357	575.2	20.2	2.884	676.2	19.4	1.393
321.2	9.8	1.514	449.2	22.7	3.186	577.2	18.5	2.675	677.2	Missing	
323.2	6.7	1.063	451.2	21.7	3.067	579.2	18.4	2.663	679.2	11.1	.849
325.2	5.8	.928	453.2	9.9	1.528	581.2	23.8	3.315	680.22/	11.2	.856
327.2	7.4	1.167	455.2	11.8	1.796	583.2	22.9	3.209	681.2	8.2	.642
329.2	16.3	2.395	457.2	14.9	2.214	585.2	13.3	2.000	682.2	12.7	.960
331.2	11.8	1.796	459.2	31.4	4.154	587.2	12.2	1.851	683.2	10.5	.807
333.2	11.6	1.768	461.2	26.9	3.669	589.2	10.7	1.642	684.2	18.2	1.319
335.2	13.3	2.000	463.2	10.0	1.543	591.2	11.0	1.684	685.2	43.1	2.650
337.2	25.0	3.455	465.2	8.9	1.386	593.2	13.8	2.067	686.2	23.9	1.664
339.2	10.0	1.543	467.2	8.1	1.270	595.2	16.2	2.383	687.2	22.0	1.552
341.2	9.6	1.486	469.2	8.9	1.386	597.2	12.7	1.919	688.2	19.6	1.406
343.2	12.3	1.865	471.2	13.9	2.080	599.2	8.7	1.357	689.2	30.9	2.051
345.2	12.9	1.946	473.2	12.5	1.892	601.2	9.0	1.399	690.2	34.3	2.228
347.2	13.9	2.080	475.2	11.0	1.684	603.2	13.3	2.000	691.2	29.1	1.954
349.2	17.0	2.485	477.2	11.0	1.684	605.2	18.4	2.663	692.2	54.5	3.121
351.2	13.5	2.027	479.2	13.6	2.040	607.2	13.3	2.000	693.2	50.2	2.952
353.2	13.6	2.040	481.2	23.2	3.245	609.2	11.9	1.810	694.2	51.8	3.016
355.2	14.3	2.134	483.2	35.3	2.561	611.2	12.6	1.906	695.2	74.4	3.782
357.2	13.9	2.080	485.2	12.5	1.892	613.2	14.1	2.107	696.2	71.2	3.690
359.2	12.5	1.892	487.2	14.1	2.107	615.2	15.6	2.305	697.2	51.2	2.992
361.2	12.6	1.906	489.2	8.2	1.284	617.2	24.9	3.443	698.2	48.8	2.893
363.2	13.7	2.053	491.2	13.2	1.987	619.2	14.8	2.200	699.2	46.7	2.806
365.2	12.8	1.933	493.2	26.1	3.580	621.2	15.2	2.253	700.2	45.0	2.733
367.2	15.4	2.280	495.2	12.5	1.892	623.2	15.5	2.292	701.2	29.8	1.993
369.2	13.1	1.973	497.2	10.6	1.628	625.2	20.8	2.957	702.2	27.8	1.884
371.2	12.3	1.865	499.2	14.6	2.174	627.2	17.3	2.523	703.2	31.7	2.092
373.2	15.0	2.227	501.2	15.9	2.344	629.2	19.7	2.823	704.2	48.7	2.889
375.2	12.5	1.892	503.2	13.9	2.080	631.2	25.7	3.534	705.2	42.7	2.632
377.2	12.8	1.933	505.2	17.7	2.574	633.2	8.4	1.314	706.2	36.9	2.357
379.2	13.4	2.013	507.2	11.7	1.782	635.2	6.3	1.003	707.2	48.0	2.860
381.2	15.7	2.318	509.2	12.6	1.906	637.2	7.2	1.137	708.2	52.4	3.039
383.2	17.0	2.485	511.2	13.8	2.067	639.2	8.1	1.270	709.2	51.4	3.000
385.2	16.3	2.395	513.2	14.3	2.134	641.2	13.5	2.027	710.2	44.9	2.729
387.2	18.3	2.650	515.2	11.9	1.810	643.2	11.2	1.712	711.2	40.2	2.516
389.2	31.3	4.144	517.2	10.8	1.656	645.2	7.6	1.196	712.2	37.4	2.382
391.2	20.4	2.909	519.2	10.7	1.642	647.2	8.0	1.255	713.2	34.2	2.222
393.2	25.7	3.534	521.2	12.7	1.919	649.2	5.4	.433	714.2	32.1	2.113
395.2	22.6	3.174	523.2	11.7	1.782	650.2	7.5	.591	715.2	28.4	1.916
397.2	16.3	2.395	525.2	11.1	1.698	651.2	14.7	1.094	716.2	27.4	1.862
399.2	13.1	1.973	527.2	10.7	1.642	652.2	22.6	1.587	717.2	34.6	2.243
401.2	10.5	1.614	529.2	9.8	1.514	653.2	15.5	1.146	718.2	55.0	3.140
403.2	14.8	2.201	531.2	10.7	1.642	654.2	27.0	1.940	719.2	38.5	2.435
405.2	11.3	1.726	533.2	13.0	1.960	655.2	38.4	2.430	720.2	24.7	1.710
407.2	9.0	1.401	535.2	11.4	1.740	656.2	19.1	1.375	721.2	23.5	1.640
409.2	10.7	1.642	537.2	9.4	1.458	657.2	20.3	1.448	722.2	22.5	1.581
411.2	24.3	3.374	539.2	18.1	2.625	658.2	14.8	1.100	723.2	19.9	1.424
413.2	11.4	1.740	541.2	17.0	2.485	659.2	16.0	1.178	724.2	26.9	1.834
415.2	8.9	1.386	543.2	10.3	1.585	660.2	21.1	1.497	725.2	26.4	1.806
417.2	9.7	1.500	545.2	9.0	1.401	661.2	19.8	1.418	726.2	38.9	2.454
419.2	12.4	1.878	547.2	7.9	1.241	662.2	27.1	1.846	727.2	22.6	1.587
421.2	6.9	1.093	549.2	13.3	2.000	663.2	24.9	1.722	728.2	15.9	1.172
423.2	10.1	1.557	551.2	14.7	2.187	664.2	23.2	1.622	729.2	16.8	1.230
425.2	9.1	1.415	553.2	18.7	2.700	665.2	35.0	2.263	730.2	39.0	2.460
427.2	26.0	3.568	555.2	14.3	2.134	666.2	39.3	2.474	731.2	40.1	2.511
429.2	24.6	3.408	557.2	11.9	1.810	667.2	35.2	2.273	732.2	29.1	1.954
431.2	10.2	1.571	559.2	12.3	1.865	668.2	31.6	2.087	733.2	24.4	1.693
433.2	10.0	1.543	561.2	14.0	2.094	669.2	29.0	1.949	734.2	31.8	2.097

See footnotes at end of table.

TABLE 48. - Grace corehole, Union Oil Co. of California, SE1/4NW1/4 sec. 25, T. 4 S.,
R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
735.2	34.4	2.233	742.2	34.2	2.222	749.2	21.3	1.509	756.2	9.9	0.764
736.2	29.2	1.960	743.2	29.1	1.954	750.2	22.0	1.552	757.2	7.7	.606
737.2	37.1	2.367	744.2	33.4	2.181	751.2	19.5	1.400	758.2	11.6	.707
738.2	33.1	2.166	745.2	25.3	1.744	752.2	15.8	1.166	759.0	-	-
739.2	36.1	2.318	746.2	18.6	1.344	753.2	17.3	1.262			
740.2	41.1	2.557	747.2	17.5	1.274	754.2	11.1	.849			
741.2	45.6	2.759	748.2	14.4	1.074	755.2	15.3	1.133			

1/ Starting depth of sample below surface (elevation, 7,672 feet).

2/ Mahogany marker at depth of 680 feet (elevation, 6,992 feet).

TABLE 49. - Hazel corehole, Union Oil Co. of California, SW1/4NE1/4 sec. 19, T. 4 S.,
R. 95 W., Garfield County, Colo. (See fig. 24)

210	8.7	1.357	316	14.7	2.187	408	11.0	1.684	500	10.5	1.614
212	7.5	1.188	318	15.6	2.305	410	23.3	3.256	502	10.0	1.543
214	5.9	.943	320	12.3	1.865	412	39.5	4.966	504	13.2	1.987
216	11.8	1.796	322	10.5	1.614	414	21.3	3.018	506	18.3	2.650
218	8.4	1.314	324	17.8	2.587	416	13.2	1.987	508	11.9	1.810
220	7.8	1.226	326	14.7	2.187	418	11.1	1.698	510	8.7	1.357
222	9.6	1.486	328	16.8	2.459	420	9.7	1.500	512	20.4	2.909
224	9.8	1.514	330	16.3	2.395	422	29.8	3.986	514	24.7	3.420
226	9.0	1.401	332	16.3	2.395	424	15.2	2.253	516	17.5	2.549
228	11.1	1.698	334	14.0	2.094	426	13.9	2.080	518	14.6	2.174
230	7.5	1.188	336	15.1	2.240	428	17.9	2.600	520	11.6	1.768
232	8.0	1.255	338	16.4	2.408	430	38.3	4.851	522	15.2	2.253
234	4.9	.791	340	14.1	2.107	432	17.7	2.574	524	22.7	3.186
236	3.4	.556	342	15.1	2.240	434	11.7	1.782	526	14.3	2.134
238	4.6	.744	344	15.9	2.344	436	9.9	1.528	528	13.2	1.987
240	4.8	.776	346	16.2	2.383	438	7.9	1.240	530	16.1	2.370
242	Missing		348	17.0	2.485	440	15.0	2.227	532	15.3	2.266
244	5.6	.897	350	15.9	2.344	442	15.2	2.253	534	17.9	2.600
246	5.5	.882	352	15.1	2.240	444	13.8	2.067	536	19.8	2.836
248	7.1	1.122	354	15.3	2.266	446	14.4	2.147	538	20.6	2.933
250	6.8	1.078	356	19.0	2.738	448	13.9	2.080	540	22.0	3.104
252	6.8	1.078	358	21.0	2.982	450	22.7	3.186	542	23.0	3.222
254	6.8	1.078	360	26.1	3.580	452	33.9	4.414	544	26.6	3.636
256	6.3	1.003	362	21.7	3.067	454	14.0	2.094	546	17.2	2.510
258	5.6	.897	364	14.7	2.187	456	9.9	1.528	548	13.0	1.960
260	4.7	.760	366	32.0	4.215	458	14.7	2.187	550	11.3	1.726
262	11.9	1.810	368	17.9	2.600	460	29.0	3.898	552	13.0	1.960
264	16.8	2.459	370	16.6	2.434	462	13.6	2.040	554	16.8	2.459
266	8.9	6.319	372	12.6	1.906	464	10.9	1.670	556	19.8	2.836
268	8.9	1.386	374	12.2	1.851	466	21.8	3.079	558	11.2	1.712
270	2.6	.428	376	15.0	2.227	468	16.8	2.459	560	10.1	1.557
272	3.0	.593	378	18.7	2.700	470	12.9	1.946	562	12.1	1.838
274	7.0	1.108	380	13.0	1.960	472	10.4	1.599	564	21.3	3.018
276	19.7	2.823	382	10.5	1.614	474	11.3	1.726	566	19.4	2.787
278	26.5	3.624	384	27.2	3.702	476	24.3	3.374	568	18.5	2.675
280	13.1	1.973	386	16.2	2.383	478	18.3	2.650	570	30.4	4.050
282	19.5	2.799	388	13.3	2.000	480	14.2	2.120	572	24.1	3.350
284	10.6	1.628	390	12.0	1.824	482	11.7	1.682	574	15.0	2.227
286	7.5	1.182	392	15.5	2.292	484	14.0	2.094	576	17.7	2.574
288	9.3	1.444	394	9.1	1.415	486	13.4	2.013	578	15.2	2.253
290	17.3	2.523	396	19.1	2.750	488	11.4	1.740	580	16.5	2.421
292	11.6	1.768	398	9.5	1.472	490	11.1	1.698	582	19.2	2.763
294	11.1	1.698	400	23.9	3.327	492	11.4	1.740	584	18.4	2.663
296	11.4	1.740	402	22.0	3.104	494	13.7	2.053	586	20.2	2.884
298	18.5	2.675	404	11.9	1.810	496	17.1	2.498	588	18.6	2.688
300	12.8	1.933	406	11.6	1.758	498	10.4	1.599	590	28.6	3.855

1/ Starting depth of sample below surface (elevation, 7,466 feet).

TABLE 49. - Hazel corehole, Union Oil Co. of California, SW1/4NE1/4 sec. 19, T. 4 S.,
R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
592	24.3	3.374	635	18.9	1.363	669	38.2	2.421	706	28.8	1.938
594	22.6	3.174	636	15.0	1.114	670	42.3	2.613	707	22.2	1.564
596	23.8	3.315	637 2/	16.5	1.210	671	47.5	2.840	708	16.1	1.185
598	10.2	1.571	638	9.7	.750	672	47.3	2.831	709	21.0	1.491
600	7.1	1.122	639	9.5	.736	673	34.7	2.248	710	29.5	1.976
602	5.1	.820	640	12.9	.973	674	34.5	2.238	711	21.6	2.527
604	11.0	1.684	641	20.1	1.436	675	52.9	3.059	712	19.6	1.406
606	6.4	1.018	642	46.2	2.785	676	42.1	2.604	713	15.1	1.120
608	6.4	1.018	643	34.3	2.228	677	39.9	2.502	714	18.9	1.363
610	8.6	.671	644	24.6	1.704	678	36.4	2.333	715	9.6	.743
611	18.6	1.344	645	29.8	1.993	679	29.2	1.960	716	15.1	1.120
612	17.5	1.274	646	23.8	1.658	680	31.7	2.092	717	19.8	1.418
613	22.0	1.552	647	36.3	2.328	681	22.9	1.605	718	24.1	1.675
614	27.7	1.878	648	37.3	2.377	682	20.8	1.479	719	22.3	1.569
615	20.1	1.436	649	32.4	2.129	683	26.3	1.801	720	13.1	1.973
616	25.0	1.727	650	62.5	3.412	684	38.2	2.421	722	32.7	2.145
617	17.9	1.300	651	45.3	2.746	685	33.0	2.160	723	38.9	2.455
618	17.4	1.268	652	42.5	2.622	686	29.8	1.993	724	20.0	1.430
619	14.8	1.100	653	75.3	3.807	687	24.9	1.722	725	16.7	1.223
620	24.4	1.693	654	64.1	3.466	688	24.4	1.693	726	12.1	.919
621	32.8	2.150	655	61.2	3.368	689	40.4	2.525	727	24.1	1.675
622	21.0	1.491	656	53.9	3.098	690	37.7	2.396	728	35.8	2.303
623	33.1	2.166	657	48.5	2.880	691	43.8	2.681	729	50.8	2.976
624	39.6	2.488	658	42.3	2.613	692	38.9	2.455	730	26.1	1.790
625	51.2	2.992	659	47.9	2.656	693	36.1	2.318	731	21.7	1.533
626	51.0	2.984	660	30.1	2.009	694	32.8	2.150	732	24.3	1.687
627	36.4	2.333	661	31.9	2.102	695	30.0	2.004	733	18.3	1.325
628	37.3	2.377	662	27.7	1.878	696	41.8	2.590	734	12.3	.932
629	30.5	2.030	663	41.0	2.553	697	33.3	2.176	735	31.4	2.077
630	18.4	1.331	664	61.4	3.374	698	41.4	2.571	736	37.4	2.382
631	20.9	1.485	665	56.1	3.182	699	46.7	5.612	737	30.9	2.051
632	15.0	1.114	666	49.0	2.901	701	36.9	7.071	738	30.6	2.036
633	23.2	1.622	667	53.3	3.074	704	33.8	2.202	739	26.2	1.795
634	27.8	1.884	668	49.6	2.927	705	33.8	2.202	740	-	-

1/ Starting depth of sample below surface (elevation, 7,466 feet).

2/ Mahogany marker at depth of 637 feet (elevation, 6,829 feet).

TABLE 50. - Jann corehole, Union Oil Co. of California, NW1/4SE1/4NE1/4 sec. 33, T. 5 S.,
R. 96 W., Garfield County, Colo. (See fig. 25)

14.0	7.9	1.365	52.2	9.3	1.444	90.2	3.9	0.635	128.2	6.0	0.978
16.2	6.2	.988	54.2	10.5	1.614	92.2	6.5	1.033	130.2	8.9	1.386
18.2	5.6	.897	56.2	11.0	1.684	94.2	6.3	1.003	132.2	10.0	1.543
20.2	4.1	.666	58.2	10.3	1.585	96.2	2.5	.412	134.2	9.8	1.514
22.2	1.5	.249	60.2	8.1	1.270	98.2	7.2	1.137	136.2	14.5	2.160
24.2	1.2	.200	62.2	2.1	.347	100.2	6.6	1.048	138.2	19.1	2.750
26.2	3.3	.540	64.2	7.7	1.211	102.2	15.4	2.279	140.2	14.5	2.160
28.2	2.0	.331	66.2	7.4	1.167	104.2	15.9	2.344	142.2	11.5	1.754
30.2	2.4	.396	68.2	20.4	2.909	106.2	6.4	1.018	144.2	10.1	1.557
32.2	1.5	.249	70.2	13.3	2.000	108.2	10.0	1.543	146.2	11.4	1.740
34.2	.1	.017	72.2	9.1	1.415	110.2	18.6	2.688	148.2	14.8	2.200
36.2	22.4	3.151	74.2	7.5	1.182	112.2	13.4	2.013	150.2	12.3	1.865
38.2	12.1	1.838	76.2	5.3	.852	114.2	14.6	2.174	152.2	13.3	2.000
40.2	.6	.100	78.2	3.8	.619	116.2	10.4	1.599	154.2	19.6	2.811
42.2	1.3	.217	80.2	3.9	.635	118.2	9.9	1.528	156.2	11.1	1.698
44.2	1.1	.184	82.2	5.9	.943	120.2	13.4	2.013	158.2	8.9	1.386
46.2	13.3	2.000	84.2	4.9	.791	122.2	10.9	1.670	160.2	15.0	2.227
48.2	6.8	1.078	86.2	6.7	1.063	124.2	9.2	1.429	162.2	24.8	3.432
50.2	6.9	1.093	88.2	6.7	1.063	126.2	12.0	1.824	164.2	13.4	2.013

1/ Starting depth of sample below surface (elevation, approximately 7,750 feet).

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PAGE 2 OF 3

OIL YIELDS OF SECTIONS OF GREEN RIVER OIL SHALE IN COLORADO

1952-1954

TABLE 50. - Jann corehole, Union Oil Co. of California, NW1/4SE1/4NE1/4 sec. 33, T. 5 S.,
R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
166.2	12.5	1.892	276.2	30.4	4.050	386.2	31.4	4.154	448.2	44.8	2.725
168.2	21.4	3.030	278.2	29.5	3.953	388.2	16.8	2.459	449.2	48.7	2.889
170.2	13.8	2.067	280.2	14.6	2.174	390.2	27.7	3.757	450.2	31.9	2.102
172.2	13.4	2.013	292.2	15.1	2.240	392.2	17.9	2.600	451.2	40.7	2.539
174.2	16.0	2.357	284.2	22.3	3.139	394.2	7.0	1.108	452.2	52.4	3.039
176.2	17.4	2.536	286.2	13.2	1.987	396.2	6.9	1.093	453.2	30.0	2.004
178.2	20.0	2.860	288.2	17.5	2.549	398.2	6.6	1.048	454.2	25.6	1.762
180.2	16.9	2.472	290.2	17.5	2.549	400.2	3.6	.294	455.2	42.4	2.618
182.2	18.4	2.663	292.2	15.4	2.279	401.2	3.0	.246	456.2	46.8	2.810
184.2	16.8	2.459	294.2	17.6	2.561	402.2	3.0	.246	457.2	59.9	3.321
186.2	18.5	2.675	296.2	13.6	2.040	403.2	4.3	.349	458.2	50.4	2.960
188.2	16.0	2.357	298.2	18.7	2.700	404.2	12.9	.973	459.2	26.9	1.834
190.2	15.0	2.127	300.2	14.9	2.214	405.2	15.8	1.166	460.2	23.2	1.622
192.2	16.5	2.421	302.2	12.6	1.906	406.2	30.6	2.036	461.2	26.7	1.823
194.2	15.6	2.305	304.2	12.6	1.906	407.2	36.9	2.357	462.2	35.5	2.288
196.2	14.7	2.187	306.2	15.0	2.227	408.2	21.3	1.509	463.2	33.9	2.207
198.2	16.2	2.383	308.2	12.9	1.946	409.2	22.1	1.558	464.2	21.3	1.509
200.2	18.6	2.688	310.2	12.5	1.892	410.2	16.1	1.185	465.2	23.8	1.658
202.2	25.6	3.523	312.2	11.3	1.726	411.2	16.9	1.236	466.2	21.7	1.533
204.2	22.3	3.139	314.2	13.9	2.080	412.2	23.9	1.664	467.2	22.4	1.575
206.2	25.7	3.534	316.2	16.1	2.370	413.2	20.3	1.448	468.2	41.0	2.553
208.2	19.9	2.848	318.2	17.6	2.561	414.2	32.4	2.129	469.2	27.8	1.884
210.2	15.8	2.331	320.2	14.7	2.187	415.2	20.0	1.430	470.2	18.6	1.344
212.2	11.7	1.782	322.2	14.0	2.094	416.2	25.7	1.767	471.2	17.7	1.287
214.2	17.8	2.587	324.2	11.3	1.726	417.2	34.7	2.248	472.2	22.1	1.558
216.2	11.7	1.782	326.2	12.3	1.865	418.2	39.7	2.493	473.2	36.0	2.313
218.2	10.6	1.628	328.2	18.6	2.688	419.2	44.4	2.708	474.2	40.8	2.543
220.2	16.3	2.395	330.2	16.6	2.434	420.2	33.1	2.166	475.2	34.1	2.217
222.2	28.1	3.801	332.2	12.4	1.878	421.2	27.1	1.846	476.2	30.0	2.004
224.2	13.5	2.027	334.2	12.3	1.865	422.2	24.9	1.722	477.2	30.9	2.051
226.2	11.6	1.768	336.2	22.2	3.127	423.2	16.8	1.230	478.2	27.5	1.868
228.2	12.2	1.851	338.2	13.9	2.080	424.2	20.1	1.436	479.2	34.6	2.243
230.2	11.8	1.797	340.2	14.0	2.094	425.2	27.5	1.868	480.2	42.9	2.641
232.2	7.8	1.226	342.2	13.9	2.080	426.2	20.7	1.473	481.2	40.0	2.507
234.2	10.5	1.614	344.2	17.0	2.485	427.2	16.4	1.204	482.2	29.7	1.987
236.2	21.7	3.067	346.2	20.8	2.957	428.2	16.7	1.223	483.2	28.2	1.906
238.2	16.4	2.408	348.2	17.5	2.549	429.2	6.0	.479	484.2	29.9	1.998
240.2	11.2	1.712	350.2	20.8	2.957	430.2	14.2	1.060	485.2	20.8	1.479
242.2	11.1	1.698	352.2	19.4	2.787	431.2	13.3	1.000	486.2	18.5	1.338
244.2	10.8	1.656	354.2	13.4	2.013	432.2	14.7	1.094	487.2	16.2	1.191
246.2	26.3	3.602	356.2	12.0	1.824	433.2	22.0	1.552	488.2	21.2	1.503
248.2	13.8	2.067	358.2	11.5	1.754	434.2	47.6	2.844	489.2	21.4	1.515
250.2	11.0	1.684	360.2	14.1	2.107	435.2	30.1	2.009	490.2	26.2	1.795
252.2	17.5	2.600	362.2	16.0	2.357	436.2	22.1	1.497	491.2	14.6	1.087
254.2	29.4	3.942	364.2	10.8	1.656	437.2	25.7	1.767	492.2	17.0	1.242
256.2	13.7	2.053	366.2	10.4	1.599	438.2	21.4	1.515	493.2	16.0	1.178
258.2	14.4	2.147	368.2	18.5	2.675	439.2	31.7	2.092	494.2	20.8	1.479
260.2	35.9	4.616	370.2	17.9	2.600	440.2	31.4	2.077	495.2	25.3	1.744
262.2	18.8	2.713	372.2	13.0	1.960	441.2	48.8	2.893	496.2	23.0	1.611
264.2	11.1	1.698	374.2	15.1	2.240	442.2	67.4	3.573	497.2	14.5	1.080
266.2	11.6	1.768	376.2	31.2	4.134	443.2	37.8	2.401	498.2	20.7	1.473
268.2	10.8	1.656	378.2	15.0	2.227	444.2	71.7	3.705	499.2	56.8	3.209
270.2	16.4	2.408	380.2	16.0	2.357	445.2	70.3	3.663	500.2	-	-
272.2	14.7	2.187	382.2	17.4	2.536	446.2	61.9	3.391			
274.2	14.3	2.134	384.2	17.4	2.536	447.2	52.0	3.024			

1/ Starting depth of sample below surface (elevation, approximately 7,750 feet).

2/ Mahogany marker at depth of 429 feet (elevation, approximately 7,321 feet).

TABLE 51. - J. B. M. corehole 6, Union Oil Co. of California, NW1/4SE1/4NW1/4 sec. 10, T. 6 S., R. 96 W., Garfield County, Colo.

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
10.1	12.19	9.250	280.1	28.21	1.906	315.1	56.40	3.194	352.1	29.05	1.952
20.1	11.42	8.716	281.1	21.61	1.528	317.1	20.94	1.487	353.1	14.99	1.113
30.1	14.75	10.969	282.1	22.38	1.574	318.1	32.77	2.148	354.1	17.13	1.251
40.1	15.19	11.260	283.1	37.69	2.396	319.1	53.19	3.031	355.1	15.21	1.127
50.1	15.38	11.383	284.1	40.78	2.543	320.1	50.59	2.967	356.1	11.91	.906
60.1	15.52	11.474	285.1	37.45	2.384	321.1	36.70	2.347	357.1	15.55	1.149
70.1	21.42	15.164	286.1	27.14	1.875	322.1	53.52	3.083	358.1	22.19	1.563
80.1	12.67	9.576	287.1	24.95	1.724	323.1	47.69	2.847	359.1	16.96	1.240
90.1	16.10	11.849	288.1	19.05	1.372	324.1	33.01	2.108	360.1	12.91	.974
100.1	12.64	9.555	289.1	14.54	1.083	325.1	24.01	1.670	361.1	21.71	1.534
110.1	12.91	9.739	290.1	28.69	1.932	326.1	32.70	2.145	362.1	45.58	2.758
120.1	15.04	11.163	291.1	20.08	1.435	327.1	50.09	2.947	363.1	25.43	1.752
130.1	14.78	10.990	292.2	15.40	1.140	328.1	18.90	1.363	364.1	16.20	1.191
140.1	13.79	10.327	293.2	16.34	1.200	329.1	25.94	1.781	365.1	14.47	1.078
150.1	16.60	12.169	294.1 2/	8.59	.671	330.1	20.41	1.455	366.1	20.66	1.470
160.1	16.19	11.907	295.1	13.89	1.039	331.1	18.74	1.353	367.1	33.37	2.180
170.1	14.54	10.829	296.1	12.33	.934	332.1	40.11	2.512	368.1	39.82	2.498
180.1	12.23	9.277	297.1	13.91	1.041	333.1	33.70	2.197	369.1	17.85	1.297
190.1	13.29	9.993	298.1	37.74	2.398	334.1	16.79	1.229	370.1	13.24	.996
200.1	14.75	10.636	299.1	41.65	2.583	335.1	25.12	1.734	371.1	11.51	.878
210.1	15.81	11.663	300.1	22.62	1.588	336.1	41.60	2.581	372.1	14.92	1.108
220.1	18.06	13.101	301.1	27.40	1.862	337.1	40.97	2.551	373.1	12.55	.949
230.1	11.66	8.883	302.1	23.70	1.652	338.1	Missing		374.1	27.83	1.886
240.1	20.78	14.781	303.1	33.59	2.191	339.1	33.22	2.422	375.1	17.18	1.254
250.1	20.03	14.318	304.1	32.58	2.138	340.1	30.16	2.012	376.1	23.15	1.619
260.1	6.26	4.985	305.1	55.92	3.175	341.1	27.47	1.866	377.1	19.53	1.401
270.1	3.89	.317	306.1	49.92	2.940	342.1	29.65	1.985	378.1	15.21	1.127
271.1	13.48	1.012	307.1	48.63	2.886	343.1	36.80	2.352	379.1	21.88	1.544
272.1	18.52	1.339	308.1	74.61	3.788	344.1	41.60	2.581	380.1	8.71	.679
273.1	17.99	1.306	309.1	64.77	3.489	345.1	47.06	2.822	381.1	7.84	.616
274.1	39.63	2.489	310.1	55.58	3.162	346.1	27.23	1.853	382.1	9.91	.765
275.1	19.74	1.414	311.1	41.77	2.589	347.1	27.04	1.842	383.1	10.20	.786
276.1	19.77	1.416	312.1	47.14	2.825	348.1	20.99	1.490	384.1	13.29	1.000
277.1	13.43	1.009	313.1	32.49	2.134	349.1	17.06	1.246	385.1	10.75	.824
278.1	20.15	1.439	314.1	24.40	1.693	350.1	17.10	1.249	386.1	-	-
279.1	24.97	1.726	315.1	39.01	2.460	351.1	18.21	1.319			

1/ Starting depth of sample below surface (elevation, 7,810.1 feet).

2/ Mahogany marker at depth of 294.1 feet (elevation, 7,516 feet).

TABLE 52. - Jill corehole, Union Oil Co. of California, NW1/4NW1/4NW1/4 sec. 23, T. 4 S., R. 96 W., Garfield County, Colo. (See fig. 26)

228.6	5.5	0.882	262.6	4.2	0.682	296.6	9.4	1.458	340.6	18.2	2.638
230.6	4.2	.682	264.6	3.7	.603	298.6	8.2	3.854	342.6	10.9	1.670
232.6	8.4	1.314	266.6	3.4	.556	304.6	12.4	1.878	344.6	13.0	1.960
234.6	7.7	1.211	268.6	3.9	.635	306.6	11.8	3.592	346.6	16.0	2.357
236.6	5.4	.867	270.6	6.9	1.093	310.6	6.7	3.188	348.6	15.3	2.266
238.6	6.0	.958	272.6	9.1	1.415	316.6	11.3	1.726	350.6	17.0	2.485
240.6	5.6	.897	274.6	10.2	1.571	318.6	16.9	2.472	352.6	13.8	2.067
242.6	7.4	1.167	276.6	6.5	1.033	320.6	9.5	1.472	354.6	15.4	2.279
244.6	6.9	1.093	278.6	6.4	1.018	322.6	22.8	3.198	356.6	17.0	2.485
246.6	6.1	.973	280.6	5.9	.941	324.6	13.8	2.067	358.6	14.1	2.094
248.6	5.8	.928	282.6	6.8	1.078	326.6	8.7	1.357	360.6	14.4	2.147
250.6	5.2	.837	284.6	5.0	.806	328.6	9.2	1.429	362.6	16.6	2.434
252.6	5.4	.867	286.6	8.4	1.314	330.6	13.9	2.080	364.6	15.2	2.253
254.6	12.1	1.838	288.6	11.3	1.726	332.6	19.5	2.799	366.6	16.3	2.395
256.6	8.7	1.357	290.6	23.2	3.245	334.6	10.7	1.642	368.6	15.7	2.318
258.6	5.2	.837	292.6	26.1	3.580	336.6	11.6	1.768	370.6	16.4	2.408
260.6	3.9	.635	294.6	6.7	1.063	338.6	14.3	2.134	372.6	15.7	2.318

1/ Starting depth of sample below surface (elevation, approximately 7,398 feet).

TABLE 52. - Jill corehole, Union Oil Co. of California, NW1/4NW1/4 sec. 23, T. 4 S.,
R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
374.6	14.0	2.094	466.6	13.3	2.000	558.6	13.4	2.013	625.6	14.0	1.047
376.6	14.5	2.160	468.6	17.2	2.510	560.6	11.6	1.768	626.6	19.5	1.400
378.6	16.1	2.370	470.6	37.3	4.753	562.6	8.8	1.372	627.6	20.8	1.479
380.6	19.4	2.787	472.6	16.5	2.421	564.6	15.0	2.227	628.6	26.9	1.835
382.6	15.1	2.240	474.6	15.9	2.344	566.6	18.1	2.625	629.6	10.6	.814
384.6	24.3	3.374	476.6	7.7	1.211	568.6	15.7	2.318	630.6	18.8	1.357
386.6	16.6	2.434	478.6	23.4	3.268	570.6	8.8	1.372	631.6	27.4	1.862
388.6	23.7	3.304	480.6	10.9	1.670	572.6	12.8	1.933	632.6	38.9	2.455
390.6	24.7	3.420	482.6	10.8	1.656	574.6	21.6	3.055	633.6	37.4	2.382
392.6	18.2	2.638	484.6	17.2	2.510	576.6	18.7	2.701	634.6	41.1	2.557
394.6	15.6	2.305	486.6	17.3	2.523	578.6	11.8	1.796	635.6	46.9	2.815
396.6	12.8	1.933	488.6	9.4	1.458	580.6	13.1	1.973	636.6	29.9	1.998
398.6	18.4	2.663	490.6	9.6	1.466	582.6	14.2	2.120	637.6	27.7	1.879
400.6	13.3	2.000	492.6	15.0	2.227	584.6	19.3	2.775	638.6	26.9	1.835
402.6	9.8	1.514	494.6	18.3	2.650	586.6	24.4	3.385	639.6	14.3	1.067
404.6	12.9	1.946	496.6	13.9	2.080	588.6	15.7	2.318	640.6	13.5	1.013
406.6	29.6	3.964	498.6	12.6	1.906	590.6	14.9	2.214	641.6	28.8	1.938
408.6	14.6	2.174	500.6	10.1	1.557	592.6	18.2	2.638	642.6	21.2	1.503
410.6	11.6	1.768	502.6	14.5	2.160	594.6	17.8	2.587	643.6	14.7	1.094
412.6	8.7	1.357	504.6	13.7	2.053	596.6	33.1	4.331	644.6	16.7	1.223
414.6	13.7	2.053	506.6	11.8	1.796	598.6	26.7	3.647	645.6	10.1	.778
416.6	10.8	1.656	508.6	11.1	1.697	600.6	16.2	1.191	646.6 ^{2/}	11.9	.905
418.6	8.3	1.299	510.6	13.6	2.040	601.6	18.1	1.313	647.6	6.9	.546
420.6	11.0	1.684	512.6	17.0	2.485	602.6	19.7	1.412	648.6	10.8	.828
422.6	14.7	2.187	514.6	9.6	1.466	603.6	23.1	1.617	649.6	10.6	.814
424.6	20.2	2.884	516.6	21.5	3.043	604.6	40.5	2.530	650.6	24.5	1.698
426.6	11.3	1.726	518.6	19.8	2.836	605.6	24.4	1.693	651.6	51.5	3.004
428.6	12.7	1.919	520.6	19.6	2.811	606.6	14.1	1.053	652.6	33.5	2.186
430.6	10.4	1.599	522.6	11.2	1.712	607.6	8.7	.679	653.6	23.2	1.622
432.6	11.3	1.726	524.6	15.4	2.279	608.6	7.5	.591	654.6	26.4	1.807
434.6	24.6	3.408	526.6	23.4	3.268	609.6	7.9	.620	655.6	24.4	1.693
436.6	13.3	2.000	528.6	15.8	2.331	610.6	7.9	.620	656.6	37.7	2.396
438.6	11.4	1.740	530.6	13.3	2.000	611.6	6.5	.516	657.6	49.7	2.931
440.6	9.7	1.500	532.6	10.3	1.585	612.6	4.7	.380	658.6	52.0	3.024
442.6	25.3	3.489	534.6	22.8	3.198	613.6	2.5	.206	659.6	57.8	3.246
444.6	22.5	3.162	536.6	15.2	2.253	614.6	2.4	.198	660.6	69.5	3.639
446.6	11.1	1.698	538.6	12.9	1.946	615.6	2.8	.230	661.6	64.8	3.490
448.6	16.5	2.421	540.6	13.5	2.027	616.6	4.2	.341	662.6	36.6	2.342
450.6	38.6	4.881	542.6	14.3	2.134	617.6	12.8	.966	663.6	60.3	3.336
452.6	15.4	2.279	544.6	14.3	2.134	618.6	18.0	1.306	664.6	32.1	2.113
454.6	13.5	2.027	546.6	20.6	2.933	619.6	11.4	.870	665.6	37.7	2.396
456.6	11.7	1.782	548.6	19.8	2.836	620.6	23.0	1.611	666.6	41.5	2.576
458.6	9.2	1.429	550.6	23.2	3.245	621.6	40.2	2.516	667.6	35.4	1.902
460.6	12.7	1.919	552.6	30.2	4.029	622.6	27.9	1.890	668.4	-	-
462.6	17.2	2.510	554.6	20.0	2.860	623.6	19.0	1.369			
464.6	11.2	1.712	556.6	17.0	2.485	624.6	23.1	1.617			

1/ Starting depth of sample below surface (elevation, approximately 7,398 feet).

2/ Mahogany marker at depth of 646 feet (elevation, approximately 6,752 feet).

TABLE 53. - Lignum Vita corehole 9, Union Oil Co. of California, NE1/4NW1/4SE1/4 sec. 20,
T. 5 S., R. 95 W., Garfield County, Colo.

139.5	8.28	6.480	209.5	15.31	11.338	279.5	12.47	9.440	349.5	14.56	10.842
149.5	13.34	10.027	219.5	7.70	6.055	289.5	15.40	11.396	359.5	9.52	7.374
159.5	9.91	7.650	229.5	8.23	6.445	299.5	14.35	10.702	369.5	13.25	9.967
169.5	10.89	8.345	239.5	7.94	6.233	309.5	15.43	11.416	379.5	16.15	11.881
179.5	14.92	11.083	249.5	7.10	5.612	319.5	15.00	11.137	389.5	17.20	12.552
189.5	9.02	7.019	259.5	14.13	10.555	329.5	20.54	14.628	399.5	10.96	8.394
199.5	9.48	7.346	269.5	10.94	8.379	339.5	13.89	10.394	409.5	18.11	13.131

1/ Starting depth of sample below surface (elevation, 7,670 feet).

TABLE 53. - Lignum Vita corehole 9, Union Oil Co. of California, NE1/4NW1/4SE1/4 sec. 20,
T. 5 S., R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
419.5	14.39	10.729	575.5	28.67	1.931	612.5	19.94	1.426	649.5	12.83	0.968
429.5	17.39	12.673	576.5	24.64	1.707	613.5	17.92	1.301	650.5	19.80	1.418
439.5	14.20	10.602	577.5	13.63	1.022	614.5	20.66	1.470	651.5	23.55	1.643
449.5	11.32	8.646	578.5	22.00	1.552	615.5	20.01	1.611	652.5	11.45	.874
459.5	11.64	8.869	579.5	13.05	.983	616.5	23.61	1.647	653.5	14.49	1.080
469.5	13.70	10.267	580.5	12.35	.936	617.5	22.86	1.603	654.5	14.61	1.088
479.5	12.47	9.440	581.5	15.83	1.168	618.5	31.02	2.058	655.5	11.35	.867
489.5	11.44	8.730	582.5 2/	8.47	.662	619.5	26.48	1.811	656.5	14.87	1.105
499.5	10.53	8.089	583.5	11.44	.873	620.5	21.85	1.543	657.5	12.91	.974
509.5	11.54	8.800	584.5	7.39	.583	621.5	19.29	1.387	658.5	14.44	1.076
519.5	12.04	9.148	585.5	12.57	.951	622.5	25.19	1.738	659.5	9.36	.726
529.5	17.15	12.520	586.5	40.52	2.531	623.5	33.49	2.186	660.5	9.02	.702
539.5	14.68	8.738	587.5	34.55	2.240	624.5	19.58	1.404	661.5	20.68	1.471
547.5	8.23	2.578	588.5	13.29	.999	625.5	21.30	1.509	662.5	39.06	2.463
551.5	7.56	1.190	589.5	21.73	1.535	626.5	22.09	1.557	663.5	23.34	1.631
553.5	11.11	.850	590.5	26.72	1.824	627.5	20.34	1.451	664.5	16.55	1.214
554.5	5.37	.431	591.5	28.91	1.944	628.5	29.51	1.977	665.5	14.66	1.091
555.5	6.93	.549	592.5	25.50	1.756	629.5	35.19	2.273	666.5	20.41	1.455
556.5	17.58	1.279	593.5	61.88	3.381	630.5	25.19	1.738	667.5	40.45	2.574
557.5	13.17	.991	594.5	43.30	2.659	631.5	15.50	1.146	668.5	34.45	2.235
558.5	26.85	1.832	595.5	62.95	3.428	632.5	16.14	1.188	669.5	14.18	1.059
559.5	42.22	2.610	596.5	67.56	3.578	633.5	17.46	1.272	670.5	14.70	1.094
560.5	19.96	1.428	597.5	61.97	3.394	634.5	34.16	2.221	671.5	12.88	.972
561.5	21.06	1.495	598.5	54.12	3.106	635.5	37.26	2.375	672.5	8.47	.662
562.5	16.98	1.241	599.5	39.85	2.500	636.5	32.07	2.111	673.5	14.18	1.059
563.5	14.11	1.054	600.5	49.90	2.940	637.5	30.47	2.029	674.5	27.42	1.863
564.5	18.14	1.315	601.5	45.60	2.759	638.5	27.18	1.850	675.5	29.98	2.003
565.5	28.69	1.932	602.5	29.00	1.949	639.5	26.68	1.822	676.5	18.18	1.318
566.5	33.97	2.211	603.5	26.53	1.814	640.5	31.86	2.101	677.5	16.46	1.208
567.5	22.98	1.609	604.5	21.11	1.488	641.5	42.65	2.629	678.5	24.11	1.676
568.5	18.78	1.355	605.5	32.87	2.154	642.5	42.65	2.629	679.5	13.75	1.030
569.5	22.40	1.575	606.5	46.56	2.800	643.5	25.88	1.777	680.5	13.31	1.001
570.5	23.92	1.665	607.5	48.84	2.894	644.5	29.65	1.985	681.5	11.27	.861
571.5	34.93	2.260	608.5	35.39	2.283	645.5	32.70	2.145	682.5	11.11	.850
572.5	32.29	2.123	609.5	21.38	1.514	646.5	27.85	1.887	683.5	12.74	.962
573.5	24.70	1.710	610.5	23.38	1.633	647.5	16.90	1.236	684.5	10.24	.788
574.5	25.43	1.752	611.5	19.19	1.381	648.5	18.50	1.338	685.5	-	-

1/ Starting depth of sample below surface (elevation, 7,670 feet).

2/ Mahogany marker at depth of 582.5 feet (elevation, 7,087.5 feet).

TABLE 54. - Lignum Vita corehole 13, Union Oil Co. of California, SE1/4SW1/4NE1/4 sec. 21,
T. 5 S., R. 95 W., Garfield County, Colo.

10.3	0.89	0.746	170.3	15.73	11.610	330.3	15.30	11.331	427.5	36.68	2.346
20.3	4.05	3.292	180.3	15.50	11.461	340.3	15.07	11.182	428.5	22.60	1.587
30.3	.94	.788	190.3	14.60	10.869	350.3	15.45	11.428	429.5	18.26	1.323
40.3	3.62	2.954	200.3	20.65	14.695	360.3	20.18	14.410	430.3	14.35	1.070
50.3	7.56	5.952	210.3	13.31	10.007	370.3	14.08	10.522	431.3	13.26	1.323
60.3	8.12	6.365	220.3	10.48	8.054	380.3	14.20	10.602	432.3	27.71	1.879
70.3	5.88	4.699	230.3	11.47	8.751	390.3	18.88	13.615	433.3	31.57	2.086
80.3	6.37	5.067	240.3	13.91	10.408	400.3	20.78	14.775	434.3	19.60	1.406
90.3	8.85	6.896	250.3	15.11	11.208	410.3	17.30	12.616	435.3	29.17	1.958
100.3	9.37	7.268	260.3	17.10	12.488	420.3	4.68	.378	436.3	Missing	
110.3	11.50	8.772	270.3	12.11	9.196	421.3	5.95	.475	437.3	30.28	2.018
120.3	10.80	8.281	280.3	17.63	12.826	422.3	5.83	.466	438.3	39.32	2.475
130.3	12.80	9.664	290.3	18.09	13.120	423.3	7.34	.579	439.3	39.63	2.489
140.3	12.40	9.392	300.3	15.07	11.182	424.3	17.10	1.249	440.3	27.35	1.859
150.3	15.95	1.175	310.3	13.03	9.819	425.3	16.84	1.232	441.3	28.84	1.940
160.3	12.04	9.148	320.3	12.62	9.542	426.5	23.65	1.649	442.3	30.73	2.042

1/ Starting depth of sample below surface (elevation, 7,653.1 feet).

TABLE 54. - Lignum Vita corehole 13, Union Oil Co. of California, SE1/4SW1/4NE1/4 sec. 21, T. 5 S., R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
443.3	17.06	1.246	470.3	23.73	1.654	497.3	22.98	1.609	524.3	17.25	1.258
444.3	14.63	1.089	471.3	31.79	2.097	498.3	24.23	1.681	525.3	Missing	
445.3	25.84	1.775	472.3	37.26	2.375	499.3	37.16	2.370	526.3	33.25	2.173
446.3	15.93	1.174	473.3	41.98	2.599	500.3	42.01	2.600	527.3	19.26	1.385
447.3	14.87	1.105	474.3	33.87	2.206	501.3	45.34	2.748	528.3	15.55	1.149
448.3 2/	8.83	.688	475.3	21.47	1.520	502.3	33.37	2.180	529.3	16.39	1.203
449.3	11.40	.870	476.3	25.41	1.751	503.3	30.35	2.022	530.3	24.35	1.690
450.3	9.43	.731	477.3	23.15	1.620	504.3	30.66	2.039	531.3	37.02	2.363
451.3	19.90	1.424	478.3	25.02	1.728	505.3	34.79	2.252	532.3	38.6	2.440
452.3	27.80	1.884	479.3	30.11	2.010	506.3	44.53	2.713	533.3	18.86	1.360
453.3	31.26	2.070	480.3	39.34	2.476	507.3	44.74	2.722	534.3	14.35	1.070
454.5	31.76	2.095	481.3	44.09	2.694	508.3	29.80	1.993	535.3	13.10	.987
455.3	19.12	1.376	482.3	43.23	2.656	509.3	32.34	2.126	536.3	15.76	1.163
456.3	22.33	1.571	483.3	46.42	2.794	510.3	28.93	1.945	537.3	22.38	1.574
457.3	38.43	2.432	484.3	34.76	2.251	511.3	15.74	1.162	538.3	32.55	2.137
458.3	29.82	1.994	485.3	34.98	2.265	512.3	15.95	1.175	539.3	23.25	1.625
459.3	40.45	2.527	486.3	27.59	1.872	513.3	12.57	.951	540.3	19.67	1.410
460.3	36.75	2.350	487.3	32.67	2.143	514.3	25.53	1.758	541.3	28.72	1.934
461.3	57.05	3.219	488.3	40.57	2.533	515.3	26.37	1.805	542.3	27.13	1.847
462.3	64.51	3.480	489.3	27.49	1.867	516.3	21.70	1.533	543.3	22.96	1.608
463.3	71.61	3.702	490.3	26.84	1.831	517.3	16.22	1.193	544.3	13.53	1.015
464.3	58.94	3.287	491.3	25.14	1.735	518.3	15.28	1.132	545.3	15.23	1.129
465.3	45.25	2.744	492.3	25.06	1.731	519.3	7.56	.595	546.3	12.26	.930
466.3	53.23	3.072	493.3	35.82	2.304	520.3	13.19	.993	547.3	-	-
467.3	46.76	2.809	494.3	35.79	2.303	521.3	18.30	1.325			
468.3	30.08	2.008	495.3	27.76	1.882	522.3	6.53	.519			
469.3	25.91	1.779	496.3	20.68	1.471	523.3	10.56	.811			

1/ Starting depth of sample below surface (elevation, 7,653.1 feet).

2/ Mahogany marker at depth of 448.3 feet (elevation, 7,204.8 feet).

TABLE 55. - Louise corehole, Union Oil Co. of California, NW1/4NW1/4NE1/4 sec. 24, T. 4 S., R. 95 W., Garfield County, Colo. (See fig. 27)

206.5	1.1	0.184	258.5	13.0	1.960	310.5	11.5	1.754	362.5	19.0	2.738
208.5	5.0	.806	260.5	9.1	1.415	312.5	13.5	2.027	364.5	13.1	1.973
210.5	4.3	.697	262.5	6.8	1.078	314.5	13.2	1.987	366.5	9.3	1.444
212.5	10.7	1.642	264.5	11.9	1.810	316.5	13.1	1.973	368.5	7.9	1.241
214.5	19.4	2.787	266.5	18.4	2.663	318.5	13.0	1.960	370.5	12.6	1.906
216.5	9.0	1.402	268.5	8.3	1.299	320.5	13.4	2.013	372.5	11.5	1.754
218.5	7.9	1.241	270.5	6.4	1.018	322.5	13.4	2.013	374.5	6.1	.973
220.5	8.0	1.255	272.5	6.2	.988	324.5	11.3	1.726	376.5	9.8	1.514
222.5	9.0	1.401	274.5	12.5	1.892	326.5	12.1	1.838	378.5	7.9	1.241
224.5	8.2	1.284	276.5	15.0	2.227	328.5	12.1	1.838	380.5	15.4	2.279
226.5	10.0	1.543	278.5	8.7	1.357	330.5	14.3	2.134	382.5	16.6	2.434
228.5	8.5	1.328	280.5	9.2	1.429	332.5	16.7	2.446	384.5	9.0	1.401
230.5	6.0	.958	282.5	13.7	2.053	334.5	16.9	2.472	386.5	10.0	1.543
232.5	4.7	.760	284.5	22.7	3.186	336.5	14.2	2.120	388.5	8.2	1.284
234.5	4.8	.775	286.5	10.4	1.599	338.5	27.1	3.691	390.5	14.3	2.134
236.5	4.7	.760	288.5	8.7	1.357	340.5	22.8	3.198	392.5	21.8	3.079
238.5	7.8	1.226	290.5	8.8	1.372	342.5	19.4	2.787	394.5	10.4	1.599
240.5	7.9	1.241	292.5	11.4	1.740	344.5	22.9	3.209	396.5	9.0	1.401
242.5	10.4	1.599	294.5	12.9	1.946	346.5	15.2	2.253	398.5	7.5	1.182
244.5	16.2	2.383	296.5	12.6	1.906	348.5	14.9	2.214	400.5	10.7	1.642
246.5	12.2	1.851	298.5	15.1	2.240	350.5	10.6	1.628	402.5	26.8	3.658
248.5	6.3	1.003	300.5	15.0	2.227	352.5	10.4	1.599	404.5	15.1	2.240
250.5	7.2	1.137	302.5	11.9	1.810	354.5	14.4	2.147	406.5	8.9	1.386
252.5	9.5	1.472	304.5	14.9	2.214	356.5	8.8	1.372	408.5	12.0	1.824
254.5	7.5	1.182	306.5	13.3	2.000	358.5	7.9	1.241	410.5	16.2	2.383
256.5	10.7	1.642	308.5	14.0	2.094	360.5	9.7	1.500	412.5	32.8	4.300

1/ Starting depth of sample below surface (elevation, 7,379 feet).

TABLE 55. - Louise corehole, Union Oil Co. of California, NW1/4NW1/4NE1/4 sec. 24, T. 4 S.,
R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
414.5	14.9	2.214	516.5	9.4	1.458	612.5	14.6	1.087	663.5	25.7	1.767
416.5	9.0	1.399	518.5	13.8	2.067	613.5	Missing		664.5	21.6	1.527
418.5	8.3	1.299	520.5	17.0	2.485	614.5	11.7	.891	665.5	25.3	1.744
420.5	7.7	1.211	522.5	9.8	1.514	615.5	17.1	1.249	666.5	22.5	1.581
422.5	11.4	1.740	524.5	12.2	1.851	616.5	19.2	1.381	667.5	22.7	1.593
424.5	12.8	1.933	526.5	11.8	1.796	617.5	23.1	1.616	668.5	37.6	2.391
426.5	11.7	1.782	528.5	11.8	1.796	618.5	23.0	1.611	669.5	36.5	2.338
428.5	10.8	1.656	530.5	14.5	2.160	619.5	36.4	2.333	670.5	34.0	2.212
430.5	9.2	1.429	532.5	17.7	2.574	620.5	35.8	2.303	671.5	42.5	2.622
432.5	12.2	1.851	534.5	14.6	2.174	621.5	26.0	1.784	672.5	40.4	2.525
434.5	14.9	2.214	536.5	15.4	2.279	622.5	17.5	1.274	673.5	24.8	1.716
436.5	29.0	3.898	538.5	34.2	4.445	623.5	24.1	1.675	674.5	26.5	1.812
438.5	21.0	2.982	540.5	24.3	3.374	624.5	22.2	1.564	675.5	32.3	2.123
440.5	11.3	1.726	542.5	13.6	2.040	625.5	14.0	1.047	676.5	51.0	2.934
442.5	12.7	1.919	544.5	11.1	1.698	626.5	13.1	.987	677.5	34.8	2.253
444.5	4.7	.760	546.5	10.0	1.543	627.5	26.2	1.795	678.5	23.5	1.640
446.5	20.9	2.970	548.5	9.8	1.514	628.5	20.2	1.442	679.5	26.3	1.801
448.5	12.6	1.906	550.5	12.5	1.892	629.5	12.7	.960	680.5	20.4	1.454
450.5	9.5	1.472	552.5	14.4	2.147	630.5	14.8	1.100	681.5	26.1	1.790
452.5	10.0	1.543	554.5	13.8	2.067	631.5	11.9	.905	682.5	23.2	1.622
454.5	15.5	2.292	556.5	9.0	1.401	632.5	7.0	.554	683.5	40.3	2.523
456.5	15.0	2.227	558.5	10.4	1.599	633.5 ^{2/}	10.3	.793	684.5	20.8	1.479
458.5	12.8	1.933	560.5	9.7	1.500	634.5	8.3	.650	685.5	36.7	2.347
460.5	12.0	1.824	562.5	17.5	2.549	635.5	11.0	.842	686.5	22.8	1.599
462.5	11.3	1.726	564.5	15.7	2.318	636.5	10.8	.828	687.5	16.5	1.210
464.5	12.4	1.878	566.5	11.8	1.796	637.5	27.7	1.878	688.5	20.9	1.485
466.5	15.1	2.240	568.5	10.9	1.670	638.5	34.8	2.253	689.5	31.6	2.087
468.5	18.5	2.675	570.5	15.9	2.344	639.5	21.3	1.509	690.5	40.6	2.534
470.5	12.3	1.865	572.5	27.2	3.702	640.5	25.0	1.727	691.5	42.9	2.641
472.5	11.3	1.726	574.5	14.6	2.174	641.5	19.3	1.387	692.5	34.2	2.222
474.5	11.3	1.726	576.5	13.7	2.053	642.5	29.8	1.993	693.5	33.5	2.186
476.5	10.4	1.599	578.5	15.3	2.266	643.5	24.6	1.704	694.5	33.2	2.171
478.5	13.3	2.000	580.5	21.7	3.067	644.5	33.8	2.202	695.5	33.3	2.176
480.5	11.6	1.768	582.5	31.3	4.144	645.5	45.7	2.763	696.5	34.5	2.238
482.5	10.3	1.585	584.5	16.5	2.421	646.5	34.0	2.212	697.5	36.9	2.357
484.5	9.9	1.528	586.5	17.9	2.500	647.5	69.3	3.633	698.5	33.2	2.171
486.5	9.3	1.444	588.5	26.3	3.602	648.5	67.9	3.589	699.5	26.7	1.823
488.5	11.0	1.684	590.5	8.4	1.314	649.5	67.9	3.589	700.5	30.1	2.001
490.5	13.7	2.053	592.5	4.4	.713	650.5	55.1	3.144	701.5	24.3	1.687
492.5	12.2	1.851	594.5	9.1	1.415	651.5	39.0	2.460	702.5	15.9	1.172
494.5	9.2	1.429	596.5	14.8	2.200	652.5	46.1	2.780	703.5	15.7	1.159
496.5	18.8	2.713	598.5	16.6	2.433	653.5	47.6	2.844	704.5	13.8	1.033
498.5	17.8	2.587	600.5	7.0	1.108	654.5	32.4	2.129	705.5	21.9	1.546
500.5	13.5	2.027	602.5	5.9	.943	655.5	31.7	2.092	706.5	21.6	1.527
502.5	9.6	1.486	604.5	4.3	.697	656.5	22.7	1.593	707.5	28.4	1.916
504.5	9.0	1.401	606.5	11.4	.870	657.5	26.4	1.807	708.5	14.5	1.080
506.5	15.8	2.331	607.5	22.9	1.605	658.5	31.1	2.062	709.5	14.8	1.100
508.5	29.0	3.898	608.5	20.9	1.485	659.5	40.2	2.516	710.5	12.0	.912
510.5	22.0	3.104	609.5	36.4	2.333	660.5	35.4	2.283	711.5	12.4	.939
512.5	13.0	1.960	610.5	18.1	1.312	661.5	49.6	2.927	712.5	16.4	1.204
514.5	9.9	1.528	611.5	18.9	1.363	662.5	27.2	1.851	713.5	-	-

1/ Starting depth of sample below surface (elevation, 7,379 feet).

2/ Mahogany marker at depth of 633 feet (elevation, 6,746 feet).

TABLE 56. - Madge corehole, Union Oil Co. of California, SE1/4SE1/4 sec. 32, T. 4 S.,
R. 95 W., Garfield County, Colo. (See fig. 28)

Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. $\frac{1}{2}$	Oil, gal. per ton	Footage times gal. per cu. ft.
260.2	0.8	0.134	400.2	16.5	2.421	528.2	13.6	2.040	656.2	3.5	0.572
262.2	4.3	.697	402.2	19.2	2.763	530.2	14.7	2.187	658.2	11.8	1.796
264.2	.6	.106	404.2	14.3	2.134	532.2	11.8	1.796	660.2	25.5	1.756
266.2	1.1	.184	406.2	16.8	2.459	534.2	12.5	1.892	661.2	29.0	1.949
268.2	2.4	.396	408.2	15.3	2.266	536.2	19.0	2.738	662.2	22.1	1.558
270.2	3.3	.540	410.2	14.4	2.137	538.2	13.1	1.973	663.2	18.9	1.363
272.2	1.4	.233	412.2	15.7	2.318	540.2	12.0	1.824	664.2	14.8	1.100
274.2	1.1	.184	414.2	15.9	2.344	542.2	12.3	1.865	665.2	17.8	1.293
276.2	.5	.084	416.2	14.8	2.200	544.2	13.9	2.080	666.2	20.4	1.454
278.2	2.2	.364	418.2	17.3	2.523	546.2	13.5	2.027	667.2	36.4	2.333
280.2	.14	.233	420.2	15.6	2.305	548.2	12.2	1.851	668.2	24.1	1.675
282.2	2.8	.460	422.2	14.8	2.200	550.2	10.9	1.670	669.2	19.1	1.375
284.2	6.6	1.048	424.2	14.9	2.214	552.2	12.2	1.851	670.2	26.1	1.790
286.2	5.0	.806	426.2	17.6	2.561	554.2	14.7	2.187	671.2	27.7	1.878
288.2	2.8	1.842	428.2	19.7	2.823	556.2	12.3	1.865	672.2	37.2	2.372
296.2	.4	.067	430.2	16.4	2.408	558.2	19.8	2.036	673.2	52.4	3.039
298.2	1.6	.532	432.2	30.0	4.008	560.2	21.9	3.091	674.2	46.3	2.789
302.2	1.5	.249	434.2	22.2	3.127	562.2	18.4	2.663	675.2	31.6	2.087
304.2	5.3	.852	436.2	25.7	3.647	564.2	11.6	1.768	676.2	30.4	2.025
306.2	7.1	1.122	438.2	20.0	2.860	566.2	8.4	1.314	677.2	25.2	1.739
308.2	5.0	.806	440.2	15.3	2.266	568.2	20.2	2.884	678.2	21.5	1.521
310.2	7.9	1.241	442.2	14.9	2.214	570.2	23.7	3.304	679.2	15.2	1.127
312.2	6.6	1.049	444.2	17.8	2.587	572.2	18.5	2.675	680.2	20.3	1.448
314.2	5.6	.897	446.2	14.6	2.174	574.2	14.0	2.094	681.2	24.5	1.698
316.2	7.2	1.137	448.2	10.2	1.571	576.2	11.4	1.740	682.2	14.7	1.094
318.2	17.4	2.536	450.2	13.9	2.080	578.2	10.7	1.642	683.2	16.4	1.204
320.2	18.2	2.638	452.2	26.2	3.591	580.2	11.3	1.726	684.2	10.4	.800
322.2	6.1	.973	454.2	17.1	2.498	582.2	14.8	2.200	685.2	11.9	.905
324.2	6.1	.973	456.2	10.9	1.670	584.2	14.7	2.187	686.2	8.2	.642
326.2	6.2	.988	458.2	9.8	1.514	586.2	13.8	2.067	687.2	10.7	.821
328.2	20.2	2.884	460.2	14.7	2.187	588.2	6.9	1.093	688.2	24.4	1.695
330.2	13.2	1.987	462.2	9.0	1.401	590.2	18.4	2.663	689.2	44.6	2.716
332.2	9.1	4.246	464.2	9.5	1.472	592.2	Missing		690.2	23.3	1.628
338.2	8.0	1.255	466.2	10.4	1.599	594.2	19.2	2.763	691.2	31.3	2.072
340.2	8.3	1.299	468.2	24.6	3.408	596.2	25.4	3.500	692.2	29.0	1.949
342.2	10.3	1.585	470.2	15.1	2.240	598.2	17.9	2.600	693.2	28.9	1.940
344.2	10.4	1.599	472.2	11.2	1.712	600.2	13.3	2.000	694.2	65.0	3.497
346.2	8.1	1.270	474.2	11.8	1.796	602.2	12.4	1.878	695.2	48.7	2.889
348.2	8.0	1.255	476.2	9.3	1.444	604.2	10.2	1.571	696.2	49.4	2.918
350.2	8.6	1.343	478.2	22.6	3.174	606.2	13.3	2.000	697.2	70.6	3.672
352.2	9.8	1.514	480.2	15.2	2.253	608.2	15.8	2.331	698.2	66.6	3.547
354.2	9.9	1.528	482.2	12.0	1.824	610.2	15.3	2.266	699.2	60.0	3.325
356.2	20.9	2.970	484.2	9.9	1.528	612.2	9.9	1.528	700.2	49.7	2.931
358.2	20.9	2.970	486.2	13.3	2.000	614.2	10.6	1.628	701.2	50.0	2.944
360.2	9.4	1.458	488.2	32.0	4.215	616.2	19.8	2.836	702.2	41.1	2.557
362.2	11.6	1.768	490.2	12.3	1.865	618.2	18.7	2.700	703.2	29.0	1.949
364.2	6.8	1.078	492.2	14.6	2.174	620.2	15.0	2.227	704.2	26.5	1.812
366.2	8.2	1.284	494.2	42.3	5.227	622.2	12.2	1.951	705.2	39.3	2.474
368.2	15.1	2.240	496.2	25.7	3.534	624.2	19.9	2.848	706.2	52.3	3.035
370.2	14.0	2.094	498.2	12.4	1.878	626.2	30.2	4.029	707.2	46.9	2.815
372.2	13.5	2.027	500.2	10.6	1.628	628.2	13.3	2.000	708.2	45.5	2.755
374.2	12.4	1.878	502.2	9.3	1.444	630.2	17.0	2.485	709.2	52.0	3.024
376.2	20.1	2.872	504.2	16.3	2.395	632.2	16.4	2.408	710.2	41.4	2.571
378.2	9.5	1.472	506.2	15.0	2.227	634.2	16.1	2.370	711.2	31.1	2.062
380.2	8.7	1.357	508.2	11.8	1.796	636.2	18.8	2.713	712.2	24.5	1.698
382.2	10.5	1.614	510.2	13.8	2.067	638.2	25.0	3.455	713.2	24.4	1.693
384.2	18.5	2.675	512.2	32.8	4.300	640.2	18.1	2.625	714.2	21.7	1.533
386.2	16.0	2.557	514.2	25.1	3.466	642.2	20.3	2.896	715.2	21.4	1.515
388.2	14.0	2.094	516.2	14.6	2.174	644.2	30.5	4.060	716.2	21.4	1.515
390.2	14.0	2.094	518.2	6.5	1.033	646.2	9.0	1.401	717.2	22.9	1.604
392.2	17.9	2.600	520.2	16.9	2.472	648.2	6.9	1.092	718.2	27.9	1.890
394.2	11.7	1.782	522.2	19.5	2.799	650.2	6.7	1.063	719.2	51.4	2.999
396.2	14.1	2.107	524.2	14.8	2.200	652.2	8.2	1.284	720.2	33.4	2.181
398.2	15.7	2.318	526.2	13.6	2.040	654.2	5.4	.867	721.2	24.1	1.675

See footnotes at end of table.

TABLE 56. - Madge corehole, Union Oil Co. of California, SE1/4SE1/4SE1/4 sec. 32, T. 4 S., R. 95 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
722.2	31.8	2.097	744.2	45.0	2.733	766.2	27.8	1.884	788.2	15.8	1.166
723.2	34.7	2.248	745.2	44.4	2.707	767.2	16.9	1.236	789.2	13.0	.980
724.2	47.8	2.852	746.2	28.8	1.938	768.2	16.5	1.210	790.2	10.1	.778
725.2	23.1	1.616	747.2	34.5	2.238	769.2	17.2	1.255	791.2	11.4	.870
726.2	22.6	1.587	748.2	29.9	1.998	770.2	27.4	1.862	792.2	14.7	1.094
727.2	27.2	1.851	749.2	19.3	1.387	771.2	46.0	2.776	793.2	16.4	1.204
728.2	24.5	1.698	750.2	14.5	1.080	772.2	37.5	2.386	794.2	12.8	.966
729.2	31.1	2.062	751.2	17.1	1.249	773.2	20.2	1.442	795.2	20.3	1.448
730.2	17.6	1.281	752.2	25.5	1.756	774.2	19.7	1.412	796.2	20.0	1.430
731.2	30.1	2.009	753.2	22.8	1.599	775.2	15.7	1.159	797.2	19.5	1.400
732.2	21.8	1.540	754.2	20.8	1.479	776.2	18.2	1.319	798.2	10.4	.800
733.2	15.9	1.172	755.2	18.2	1.319	777.2	16.1	1.185	799.2	6.9	.546
734.2	16.9	1.236	756.2	14.8	1.100	778.2	36.7	2.347	800.2	3.9	.317
735.2	32.4	2.129	757.2	17.7	1.287	779.2	25.5	1.756	801.2	4.5	.364
736.2	38.0	2.410	758.2	11.4	.870	780.2	17.6	1.281	802.2	5.3	.425
737.2	25.3	1.744	759.2	15.5	1.146	781.2	25.6	1.762	803.2	5.3	.426
738.2	2.6	.214	760.2	18.3	1.323	782.2	32.3	2.123	804.2	4.4	.356
739.2	27.3	1.857	761.2	20.9	1.485	783.2	30.7	2.040	805.2	2.8	.230
740.2	37.4	2.382	762.2	11.1	.849	784.2	37.3	2.377	806.2	3.0	.246
741.2	28.6	1.927	763.2	8.5	.664	785.2	22.6	1.587	807.2	-	-
742.2	33.5	2.186	764.2	13.3	1.000	786.2	14.1	1.053			
743.2	38.8	2.450	765.2	43.0	2.645	787.2	8.4	.657			

1/ Starting depth of sample below surface (elevation, 7,891 feet).

2/ Mahogany marker at depth of 684 feet (elevation, 7,207 feet).

TABLE 57. - Parachute corehole, Union Oil Co. of California, NW1/4SW1/4NW1/4 sec. 9, T. 5 S., R. 96 W., Garfield County, Colo. (See fig. 29)

23	21.5	3.043	85	15.1	2.240	147	11.4	1.740	209	13.1	1.973
25	16.6	2.434	87	25.4	3.500	149	18.7	2.700	211	12.2	1.851
27	18.3	2.650	89	11.4	1.740	151	17.2	2.510	213	11.5	1.754
29	18.0	2.612	91	12.8	1.933	153	13.9	2.080	215	16.7	2.446
31	13.3	2.000	93	10.0	1.543	155	11.6	1.768	217	19.6	2.811
33	17.0	2.485	95	38.5	4.871	157	11.3	1.726	219	11.6	1.768
35	15.8	2.331	97	14.3	2.134	159	11.3	1.726	221	13.2	1.987
37	15.0	2.227	99	14.7	2.187	161	11.6	1.768	223	20.1	2.872
39	18.0	2.612	101	12.6	1.906	163	10.8	1.656	225	15.7	2.318
41	16.1	2.370	103	17.3	2.523	165	12.1	1.838	227	12.4	1.878
43	15.7	2.318	105	26.6	3.636	167	15.2	2.253	229	12.9	.973
45	15.9	2.344	107	12.1	1.838	169	10.4	1.599	230	16.2	1.191
47	18.3	2.650	109	19.6	2.811	171	14.5	2.160	231	30.5	2.030
49	17.8	2.587	111	45.2	5.484	173	19.9	2.848	232	31.0	2.057
51	30.2	4.028	113	15.0	2.227	175	13.0	1.960	233	16.7	1.223
53	22.0	3.104	115	14.0	2.094	177	9.9	1.528	234	14.8	1.100
55	26.2	3.591	117	13.5	2.000	179	20.0	2.860	235	13.5	1.013
57	20.7	2.945	119	9.2	1.429	181	17.6	2.561	236	19.7	1.412
59	17.4	2.536	121	16.8	2.459	183	15.0	2.227	237	15.8	1.166
61	13.0	1.960	123	14.5	2.160	185	11.6	1.768	238	17.7	1.287
63	15.4	2.279	125	12.6	1.906	187	16.3	2.395	239	15.8	1.166
65	14.4	2.147	127	18.1	2.625	189	16.6	2.434	240	15.3	1.133
67	10.2	1.571	129	33.6	4.383	191	12.6	1.906	241	32.1	2.113
69	12.5	1.892	131	15.8	2.331	193	12.3	1.865	242	33.4	2.181
71	30.5	4.060	133	15.2	2.253	195	16.5	2.421	243	17.9	1.300
73	17.9	2.600	135	10.7	1.642	197	23.4	3.268	244	19.4	1.393
75	11.6	1.768	137	15.5	2.292	199	21.0	2.982	245	20.0	1.430
77	10.2	1.571	139	11.5	1.754	201	20.5	2.921	246	38.3	2.426
79	13.8	2.067	141	16.4	2.408	203	26.0	3.568	247	24.8	1.716
81	7.6	1.196	143	17.0	2.485	205	20.3	2.896	248	10.8	.828
83	11.3	1.726	145	13.9	2.080	207	17.4	2.536	249	7.2	.569

1/ Starting depth of sample below surface (elevation, approximately 7,545 feet).

TABLE 57. - Parachute corehole, Union Oil Co. of California, NW1/4SW1/4NW1/4 sec. 9, T. 5 S., R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
250	7.0	0.554	280 2/	11.3	0.863	310	39.4	2.479	341	19.1	1.375
251	11.5	.877	281	12.4	.939	311	31.4	2.077	342	15.3	1.133
252	7.3	.576	282	13.1	.987	312	29.2	1.960	343	21.1	1.496
253	7.0	.554	283	17.9	1.300	313	41.9	2.595	344	22.6	1.587
254	4.5	.364	284	48.4	2.876	314	48.3	2.872	345	17.0	1.242
255	5.6	.449	285	32.9	2.155	315	26.0	1.784	346	14.8	1.100
256	7.5	.591	286	23.0	1.611	316	24.3	1.687	347	16.6	1.217
257	8.6	.671	287	25.5	1.756	317	35.8	2.303	348	13.5	1.013
258	17.4	1.268	288	23.2	1.622	318	49.1	2.905	349	14.1	1.054
259	17.2	1.255	289	35.9	2.308	319	21.9	1.546	350	11.9	.905
260	26.8	1.829	290	28.1	1.900	320	25.1	1.733	351	19.0	1.369
261	32.2	2.118	291	62.7	3.419	321	24.0	1.670	352	20.8	1.479
262	21.3	1.509	292	42.3	2.613	322	29.2	1.960	353	23.6	1.646
263	17.9	1.300	293	62.7	3.419	323	40.8	2.543	354	11.3	.863
264	15.9	1.172	294	72.6	3.731	324	23.4	1.634	355	10.4	.800
265	20.1	1.436	295	62.3	3.405	325	16.4	1.204	356	9.8	.757
266	25.6	1.762	296	55.5	3.159	326	16.3	1.198	357	15.5	1.146
267	26.7	1.823	297	42.0	2.600	327	38.6	2.440	358	29.5	1.976
268	23.9	1.664	298	49.6	2.927	328	34.1	4.435	359	40.8	2.543
269	35.5	2.288	299	45.7	2.763	330	34.8	2.253	360	30.9	2.051
270	49.2	2.910	300	30.2	2.014	331	31.3	2.072	361	19.7	1.412
271	42.9	2.641	301	25.7	1.767	332	28.6	1.927	362	17.8	1.293
272	32.5	2.134	302	23.4	1.634	333	27.9	1.884	363	15.8	1.166
273	20.3	1.448	303	24.2	1.681	334	38.2	2.421	364	15.6	1.152
274	24.6	1.704	304	29.7	1.987	335	42.9	2.641	365	17.0	1.242
275	21.9	1.546	305	35.8	2.303	336	32.4	2.129	366	27.8	1.884
276	16.1	1.185	306	46.5	2.798	337	31.8	2.097	367	32.7	2.145
277	25.1	1.733	307	18.2	1.319	338	32.6	2.139	368	46.7	2.806
278	20.1	1.436	308	21.9	1.546	339	34.8	2.253	369	-	-
279	19.7	1.412	309	36.2	2.323	340	27.1	1.846			

1/ Starting depth of sample below surface (elevation, approximately 7,545 feet).

2/ Mahogany marker at depth of 280 feet (elevation, approximately 7,265 feet).

TABLE 58. - Rett corehole, Union Oil Co. of California, NE1/4NW1/4NW1/4 sec. 28, T. 4 S., R. 96 W., Garfield County, Colo. (See fig. 30)

141.2	2.6	0.375	187.0	1.3	0.217	233.0	6.6	1.048	279.0	23.8	3.315
143.0	2.3	.380	189.0	3.1	.509	235.0	9.4	1.458	281.0	24.8	3.432
145.0	4.4	.713	191.0	5.2	.837	237.0	12.0	1.824	283.0	13.4	2.013
147.0	2.8	.461	193.0	28.7	3.866	239.0	16.4	2.408	285.0	11.9	1.810
149.0	.8	.134	195.0	9.6	1.486	241.0	18.9	2.726	287.0	15.3	2.266
151.0	.9	.151	197.0	6.4	1.018	243.0	9.7	1.500	289.0	16.9	2.472
153.0	.8	.134	199.0	6.0	.958	245.0	10.2	1.571	291.0	18.7	2.700
155.0	.9	.151	201.0	4.8	.775	247.0	9.9	1.528	293.0	16	2.370
157.0	.8	.134	203.0	7.4	1.167	249.0	12.1	1.838	295.0		2.498
159.0	2.7	.444	205.0	6.8	1.078	251.0	7.5	1.181	297.0	18.1	2.625
161.0	1.2	.200	207.0	7.9	1.241	253.0	16.7	2.446	299.0	13.2	1.987
163.0	1.7	.282	209.0	25.6	3.523	255.0	15.7	2.319	301.0	19.2	2.763
165.0	1.3	.217	211.0	12.5	1.892	257.0	16.2	2.383	303.0	15.9	2.344
167.0	1.2	.200	213.0	11.2	1.712	259.0	14.7	2.187	305.0	16.9	2.472
169.0	.6	.100	215.0	10.3	1.585	261.0	7.3	1.152	307.0	16.0	2.357
171.0	1.1	.184	217.0	9.2	1.429	263.0	9.0	1.399	309.0	18.1	2.625
173.0	.8	.134	219.0	8.0	1.255	265.0	10.4	1.599	311.0	16.1	2.370
175.0	.5	.084	221.0	17.5	2.549	267.0	24.4	3.385	313.0	15.5	2.292
177.0	.6	.100	223.0	13.0	1.960	269.0	11.6	1.768	315.0	16.4	2.408
179.0	.8	.134	225.0	11.7	1.782	271.0	9.3	1.444	317.0	19.4	2.787
181.0	.6	.100	227.0	9.3	1.444	273.0	9.0	1.399	319.0	19.5	2.799
183.0	1.9	.315	229.0	8.5	1.328	275.0	29.2	3.920	321.0	28.5	3.844
185.0	5.6	.897	231.0	5.5	.882	277.0	13.6	2.040	323.0	21.6	3.055

1/ Starting depth of sample below surface (elevation, approximately 7,550 feet).

TABLE 58. - Rett corehole, Union Oil Co. of California, NE1/4NW1/4NW1/4 sec. 28, T. 4 S.,
R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
325.0	28.4	3.833	437.0	10.1	1.557	544.0	25.0	1.727	597.0	14.5	1.080
327.0	21.4	3.030	439.0	14.3	2.134	545.0	45.9	2.772	598.0	13.5	1.013
329.0	19.1	2.750	441.0	16.8	2.459	546.0	22.9	1.605	599.0	20.0	1.430
331.0	17.1	2.498	443.0	11.9	1.810	547.0	23.8	1.658	600.0	20.3	1.448
333.0	13.0	1.960	445.0	20.3	2.896	548.0	19.6	1.406	601.0	21.5	1.521
335.0	15.4	2.279	447.0	20.9	2.970	549.0	16.6	1.217	602.0	19.6	1.406
337.0	18.5	2.675	449.0	14.2	2.120	550.0	21.9	1.546	603.0	23.0	1.611
339.0	11.3	1.726	451.0	9.6	1.486	551.0	28.7	1.933	604.0	27.8	1.884
341.0	11.4	1.740	453.0	9.4	1.458	552.0	33.6	2.192	605.0	42.9	2.641
343.0	27.6	3.746	455.0	21.9	3.091	553.0	22.1	1.558	606.0	45.0	2.733
345.0	15.0	2.227	457.0	17.1	2.498	554.0	25.4	1.750	607.0	40.4	2.525
347.0	12.6	1.906	459.0	15.1	2.240	555.0	38.4	2.430	608.0	49.6	2.927
349.0	12.8	1.933	461.0	11.4	1.740	556.0	47.2	2.827	609.0	37.5	2.386
351.0	14.2	2.120	463.0	14.0	2.094	557.0	32.2	2.118	610.0	24.8	1.716
353.0	11.1	1.698	465.0	22.1	3.115	558.0	35.1	2.268	611.0	24.4	1.693
355.0	12.2	1.851	467.0	16.8	2.459	559.0	34.2	2.223	612.0	23.6	1.646
357.0	9.5	1.472	469.0	14.9	2.214	560.0	26.4	1.807	613.0	30.2	2.014
359.0	27.4	3.724	471.0	13.4	2.013	561.0	26.0	1.784	614.0	46.3	2.789
361.0	16.4	2.408	473.0	14.5	2.160	562.0	23.0	1.611	615.0	37.9	2.406
363.0	12.4	1.878	475.0	20.7	2.945	563.0	26.8	1.830	616.0	18.5	1.338
365.0	30.6	4.071	477.0	19.3	2.775	564.0	23.8	1.658	617.0	22.0	1.552
367.0	18.4	2.663	479.0	27.7	3.757	565.0	15.3	1.133	618.0	29.6	1.982
369.0	13.1	1.973	481.0	26.4	3.613	566.0	18.2	1.319	619.0	21.9	1.546
371.0	12.6	1.906	483.0	20.5	2.921	567.0 ^{2/}	11.1	.849	620.0	21.6	1.527
373.0	10.4	1.599	485.0	13.7	2.053	568.0	13.5	1.013	621.0	48.2	2.868
375.0	32.4	4.257	487.0	13.9	2.080	569.0	12.4	.939	622.0	27.4	1.862
377.0	21.4	3.030	489.0	12.5	1.892	570.0	13.7	1.027	623.0	35.5	2.288
379.0	13.0	1.960	491.0	11.5	1.754	571.0	12.5	.946	624.0	24.6	1.704
381.0	18.7	2.700	493.0	15.4	2.279	572.0	32.1	2.113	625.0	17.3	1.262
383.0	39.4	4.957	495.0	19.5	2.799	573.0	49.1	2.905	626.0	16.0	1.178
385.0	16.9	9.888	497.0	11.8	1.796	574.0	33.9	2.207	627.0	16.5	1.210
393.0	18.0	2.612	499.0	11.6	1.768	575.0	23.9	1.664	628.0	18.7	1.350
395.0	15.4	2.279	501.0	12.0	1.824	576.0	28.2	1.906	629.0	30.5	2.030
397.0	13.1	1.973	503.0	21.5	3.043	577.0	20.6	1.466	630.0	39.6	2.488
399.0	24.9	3.443	505.0	16.7	2.446	578.0	29.9	1.998	631.0	36.2	2.323
401.0	33.1	4.321	507.0	11.7	1.782	579.0	32.5	2.134	632.0	27.9	1.890
403.0	21.4	3.030	509.0	22.9	3.209	580.0	28.9	1.944	633.0	21.4	1.515
405.0	14.6	2.174	511.0	31.7	4.185	581.0	48.8	2.893	634.0	36.2	2.323
407.0	10.5	1.614	513.0	15.1	2.240	582.0	46.2	2.785	635.0	38.9	2.455
409.0	21.9	3.092	515.0	14.3	2.134	583.0	44.7	2.720	636.0	37.8	2.401
411.0	12.1	1.838	517.0	18.7	2.700	584.0	59.8	3.318	637.0	43.3	2.659
413.0	16.4	2.408	519.0	17.8	2.587	585.0	60.8	3.354	638.0	39.2	2.469
415.0	16.0	2.357	521.0	30.0	4.008	586.0	48.9	2.897	639.0	42.2	2.609
417.0	15.6	2.305	523.0	27.3	3.713	587.0	46.2	2.785	640.0	42.9	2.641
419.0	11.3	1.726	525.0	16.3	2.395	588.0	44.6	2.716	641.0	28.1	1.900
421.0	10.7	1.642	527.0	30.1	4.018	589.0	32.4	2.128	642.0	33.0	2.160
423.0	21.6	3.055	529.0	19.8	1.836	590.0	25.6	1.762	643.0	36.1	2.318
425.0	15.5	2.292	531.0	9.1	1.415	591.0	21.4	1.515	644.0	20.3	8.690
427.0	13.9	2.080	533.0	8.9	1.386	592.0	30.1	2.009	650.0	17.8	7.976
429.0	12.1	1.838	535.0	7.8	1.226	593.0	52.1	3.028	656.2	-	-
431.0	14.8	2.200	537.0	6.0	2.395	594.0	58.2	3.260			
433.0	14.0	2.094	542.0	14.9	1.107	595.0	45.2	2.742			
435.0	13.1	1.973	543.0	16.2	1.191	596.0	31.9	2.102			

1/ Starting depth of sample below surface (elevation, approximately 7,550 feet).

2/ Mahogany marker at depth of 567 feet (elevation, approximately 6,983 feet).

TABLE 59. - Twig corehole, Union Oil Co. of California, NW1/4SE1/4 sec. 35, T. 4 S.,
R. 96 W., Garfield County, Colo. (See fig. 31)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
194.7	1.1	0.123	322.0	14.5	2.160	450.0	16.0	2.357	578.0	16.6	2.434
196.0	2.4	.396	324.0	19.4	2.787	452.0	14.9	2.214	580.0	21.5	3.043
198.0	3.7	.603	326.0	24.8	3.432	454.0	12.7	1.919	582.0	19.1	2.750
200.0	4.5	.728	328.0	10.9	1.670	456.0	17.4	2.536	584.0	27.3	3.713
202.0	8.1	1.270	330.0	9.9	1.528	458.0	35.1	4.536	586.0	17.6	2.561
204.0	1.4	.283	332.0	11.6	1.768	460.0	22.1	3.115	588.0	30.3	2.020
206.0	.8	.134	334.0	20.1	2.872	462.0	17.5	2.549	589.0	28.8	1.938
208.0	4.4	.713	336.0	15.1	2.227	464.0	12.3	1.855	590.0	25.8	1.773
210.0	1.6	.266	338.0	33.1	4.331	466.0	23.9	3.327	591.0	13.2	.993
212.0	1.2	.200	340.0	17.7	2.574	468.0	12.4	1.878	592.0	7.0	.554
214.0	1.1	.184	342.0	11.6	1.768	470.0	14.3	2.134	593.0	6.5	.516
216.0	2.6	.428	344.0	12.4	1.878	472.0	19.6	2.811	594.0	7.3	.576
218.0	2.2	.364	346.0	15.5	2.292	474.0	15.0	2.227	595.0	6.1	.486
220.0	1.5	.249	348.0	16.5	2.421	476.0	16.1	2.370	596.0	13.1	.987
222.0	2.8	.461	350.0	18.6	2.688	478.0	12.1	1.838	597.0	8.0	.628
224.0	2.9	.477	352.0	15.4	2.280	480.0	19.6	2.811	598.0	3.8	.310
226.0	1.2	.200	354.0	16.5	2.421	482.0	19.2	2.763	599.0	3.0	.246
228.0	.8	.134	356.0	15.4	2.279	484.0	14.3	2.134	600.0	2.9	.238
230.0	.6	.100	358.0	16.4	2.408	486.0	12.9	1.946	601.0	4.3	.349
232.0	1.3	.217	360.0	16.7	2.446	488.0	13.1	1.973	602.0	14.7	1.094
234.0	4.0	.651	362.0	14.8	2.200	490.0	15.0	2.227	603.0	19.4	1.393
236.0	7.0	1.108	364.0	16.2	2.383	492.0	13.2	1.987	604.0	19.2	1.381
238.0	6.6	1.048	366.0	16.6	2.434	494.0	11.8	1.796	605.0	37.2	2.372
240.0	4.3	.697	368.0	14.7	2.187	496.0	12.7	1.919	606.0	46.3	2.789
242.0	1.9	.315	370.0	14.3	2.134	498.0	15.9	2.344	607.0	20.6	1.466
244.0	.8	.134	372.0	15.1	2.240	500.0	12.2	1.851	608.0	21.2	1.503
246.0	1.5	.249	374.0	17.7	2.574	502.0	15.6	2.305	609.0	15.5	1.146
248.0	5.6	.897	376.0	17.8	2.587	504.0	20.0	2.860	610.0	16.9	1.236
250.0	3.1	.509	378.0	24.6	3.408	506.0	18.0	2.612	611.0	24.2	1.681
252.0	7.4	1.167	380.0	14.9	2.214	508.0	12.6	1.906	612.0	30.	3.289
254.0	14.5	2.160	382.0	18.8	1.713	510.0	10.1	1.557	613.0	26.0	1.784
256.0	6.8	1.078	384.0	18.3	2.650	512.0	21.1	2.994	614.0	21.7	1.533
258.0	5.5	.882	386.0	16.5	2.421	514.0	21.5	3.043	615.0	28.3	1.911
260.0	7.3	1.152	388.0	13.0	1.960	516.0	19.5	2.799	616.0	31.0	2.057
262.0	13.1	1.973	390.0	13.7	2.053	518.0	16.1	2.370	617.0	47.3	2.831
264.0	2.7	.444	392.0	17.6	2.561	520.0	11.9	1.810	618.0	41.8	2.590
266.0	.8	.134	394.0	12.3	1.865	522.0	10.7	1.642	619.0	35.3	2.278
268.0	.8	.134	396.0	11.7	1.782	524.0	18.2	2.638	620.0	29.2	1.960
270.0	1.7	.282	398.0	28.5	3.844	526.0	15.9	2.344	621.0	26.0	1.784
272.0	13.0	1.960	400.0	26.1	3.580	528.0	13.1	1.973	622.0	21.4	2.914
274.0	10.5	1.614	402.0	11.6	1.768	530.0	15.8	2.331	623.0	15.0	1.114
276.0	8.4	1.314	404.0	10.0	1.543	532.0	17.3	2.523	624.0	20.3	1.448
278.0	10.0	1.543	406.0	13.9	2.080	534.0	20.3	2.896	625.0	26.1	1.790
280.0	11.5	1.754	408.0	8.2	1.284	536.0	20.3	2.896	626.0	16.1	1.185
282.0	10.2	1.571	410.0	10.9	1.670	538.0	38.7	3.866	627.02/	17.1	1.249
284.0	12.4	1.878	412.0	14.7	2.187	540.0	24.7	3.420	628.0	10.3	.793
286.0	6.6	1.048	414.0	24.3	3.374	542.0	18.5	2.675	629.0	13.7	1.027
288.0	6.9	1.093	416.0	11.9	1.810	544.0	13.8	2.067	630.0	9.4	.729
290.0	11.0	1.684	418.0	12.4	1.878	546.0	12.5	1.892	631.0	12.5	.946
292.0	21.0	2.982	420.0	10.5	1.614	548.0	10.9	1.670	632.0	17.0	1.242
294.0	17.8	2.587	422.0	14.5	2.160	550.0	11.8	1.796	633.0	48.9	2.897
296.0	5.5	.882	424.0	28.6	3.854	552.0	16.1	2.370	634.0	35.1	2.268
298.0	6.3	1.003	426.0	12.6	1.906	554.0	20.1	2.872	635.0	22.3	1.569
300.0	6.5	1.033	428.0	11.8	1.796	556.0	12.9	1.946	636.0	32.7	2.145
302.0	10.7	1.642	430.0	10.4	1.599	558.0	10.1	1.557	637.0	29.9	1.998
304.0	15.4	2.279	432.0	14.9	2.214	560.0	11.2	1.712	638.0	31.1	2.062
306.0	17.8	2.587	434.0	22.7	3.186	562.0	18.5	2.675	639.0	40.9	2.548
308.0	7.1	1.122	436.0	11.0	1.684	564.0	18.7	2.700	640.0	29.0	1.949
310.0	6.9	1.093	438.0	15.9	2.344	566.0	14.0	2.094	641.0	62.4	3.409
312.0	6.9	1.093	440.0	26.7	3.647	568.0	19.8	2.836	642.0	41.8	2.590
314.0	12.7	1.919	442.0	18.0	2.612	570.0	37.5	4.773	643.0	45.7	2.763
316.0	4.5	.728	444.0	15.0	2.227	572.0	16.3	2.395	644.0	66.2	3.534
318.0	4.5	.728	446.0	11.9	1.810	574.0	15.6	2.305	645.0	61.7	3.385
320.0	13.2	1.987	448.0	9.8	1.514	576.0	16.5	2.421	646.0	59.0	3.289

See footnotes at end of table.

TABLE 59. - Twig corehole, Union Oil Co. of California, NW1/4SE1/4 sec. 35, T. 4 S.,
R. 96 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
647.0	51.7	3.012	658.0	45.5	2.755	669.0	31.9	2.102	680.0	41.1	2.557
648.0	49.8	2.935	659.0	47.5	2.840	670.0	26.7	1.823	681.0	40.6	2.534
649.0	42.9	2.641	660.0	48.6	2.884	671.0	20.8	1.479	682.0	39.8	2.497
650.0	43.4	2.663	661.0	46.6	2.802	672.0	29.7	1.987	683.0	30.4	2.025
651.0	28.7	1.933	662.0	47.3	2.831	673.0	30.6	2.036	684.0	31.3	2.072
652.0	25.5	1.756	663.0	36.1	2.318	674.0	48.6	2.884	685.0	30.3	2.020
653.0	23.1	1.616	664.0	24.6	1.704	675.0	29.1	1.954	686.0	32.2	4.589
654.0	45.4	2.750	665.0	22.7	1.593	676.0	20.5	1.460	688.2	-	-
655.0	36.3	2.328	666.0	23.6	1.646	677.0	15.0	1.114			
656.0	49.3	2.914	667.0	26.5	1.812	678.0	18.7	1.350			
657.0	47.8	2.852	668.0	28.8	1.938	679.0	17.9	1.300			

1/ Starting depth of sample below surface (elevation, approximately 7,750 feet).

2/ Mahogany marker at depth of 628 feet (elevation, approximately 7,122 feet).

TABLE 60. - Black Eagle corehole 1, Weber Oil Co., SW1/4SW1/4SE1/4 sec. 6, T. 4 S., R.
99 W., Rio Blanco County, Colo. (See fig. 32)

15	16.9	6.180	150	14.5	5.401	213	41.9	5.190	300	22.3	7.847
20	11.3	4.316	155	16.8	6.148	215	28.4	3.833	305	17.2	6.276
25	15.6	5.763	160	19.2	6.906	217	22.6	3.174	310	12.5	4.730
30	9.6	3.715	165	7.2	1.137	219	24.0	3.339	315	23.4	8.171
35	10.4	3.999	167	7.1	1.122	221	15.7	2.318	320	12.0	4.560
40	14.2	5.301	169	17.0	2.485	223	28.7	3.866	325	21.0	7.454
45	18.7	6.751	171	25.3	3.489	225	34.6	4.486	330	10.8	4.140
50	10.7	4.105	173	18.9	2.726	227	30.7	4.082	335	8.5	3.320
55	14.6	5.435	175	13.6	2.040	229	24.9	3.443	340	17.0	6.212
60	16.5	6.052	177	19.9	2.848	231	14.8	2.200	345	14.2	5.301
65	12.8	4.832	179	33.7	4.394	233	19.3	2.775	350	10.1	3.892
70	17.4	6.340	181	31.6	4.174	235	10.7	1.642	355	16.3	5.988
75	15.1	5.601	183	20.4	2.909	237	15.3	2.266	360	20.8	7.394
80	14.7	5.468	185	21.4	3.030	239	9.8	1.514	365	10.9	4.176
85	16.1	5.924	187	14.6	2.174	241	20.5	2.921	370	11.4	4.351
90	11.9	4.526	189 ^{2/}	12.8	1.933	243	20.8	2.957	375	13.9	5.201
95	13.2	4.966	191 ^{2/}	9.7	1.500	245	15.1	5.601	380	13.1	4.933
100	17.2	6.276	193	22.1	3.115	250	19.3	6.937	385	7.0	2.769
105	11.9	4.526	195	21.5	3.043	255	6.6	2.620	390	9.0	3.503
110	20.8	7.394	197	28.1	3.801	260	11.9	4.526	395	1.0	.419
115	13.0	4.900	199	36.9	4.910	265	5.8	2.319	400	.9	.377
120	19.5	6.998	201	55.1	6.288	270	15.6	5.763	405	6.7	2.657
125	21.4	7.576	203	37.7	4.792	275	14.2	5.301	410	4.8	1.938
130	11.6	4.421	205	28.6	3.855	280	7.4	2.917	415	2.6	1.071
135	12.7	4.798	207	30.7	4.082	285	10.6	4.069	420	6.9	2.732
140	11.5	4.386	209	22.1	3.115	290	18.3	6.626	425	11.7	4.456
145	17.1	6.244	211	35.9	4.616	295	19.3	6.937	430	-	-

1/ Starting depth of sample below surface (elevation, 8,651 feet).

2/ Mahogany marker at depth of 190 feet (elevation, 8,461 feet).

TABLE 61. - Black Sulfur Falls corehole 1, Weber Oil Co., NE1/4SE1/4NE1/4 sec. 2, T. 4 S.,
R. 99 W., Rio Blanco County, Colo. (See fig. 33)

33	18.9	6.814	53	16.2	5.956	73	18.7	6.751	93	17.0	6.212
38	14.4	5.401	58	14.8	5.501	78	22.0	7.759	98	9.8	3.786
43	16.8	6.148	63	15.4	5.698	83	13.9	5.201	103	13.5	5.067
48	16.0	5.893	68	15.1	5.601	88	11.4	4.350	108	11.8	4.490

1/ Starting depth of sample below surface (elevation, 7,818 feet).

TABLE 61. - Black Sulfur Falls corehole 1, Weber Oil Co., NE1/4SE1/4NE1/4 sec. 2, T. 4 S.,
R. 99 W., Rio Blanco County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
113	15.6	5.763	238	23.1	8.082	300	26.7	3.647	365	4.6	1.860
118	13.0	4.900	243	24.3	8.434	302	22.3	3.139	370	14.7	5.468
123	15.6	5.763	248	7.7	3.028	304	22.0	3.104	375	20.5	7.302
128	17.6	6.404	253	7.4	2.917	306	40.4	5.050	380	10.9	4.176
133	12.2	4.628	258	15.1	2.240	308	23.8	3.315	385	14.1	5.267
138	16.2	5.956	260	23.8	3.315	310	32.0	4.215	390	15.5	5.730
143	16.9	6.180	262	15.6	2.305	312	28.3	3.822	395	18.2	6.594
148	20.4	7.272	264	21.5	3.043	314	21.3	3.018	400	20.7	7.363
153	15.4	5.698	266	24.1	3.350	316	23.7	3.304	405	22.9	8.024
158	16.2	5.956	268	42.3	5.227	318	17.1	2.498	410	25.2	8.694
163	12.5	4.730	270	35.0	4.526	320	36.6	4.685	415	24.6	8.521
168	14.3	5.334	272	18.5	2.675	322	31.0	4.113	420	21.9	7.728
173	15.9	5.860	274	21.5	3.043	324	29.9	3.997	425	15.6	5.763
178	20.3	7.241	276	26.1	3.580	326	38.3	4.851	430	13.9	5.201
183	20.7	7.363	278	36.8	4.704	328	23.3	3.256	435	26.4	9.033
188	15.3	5.666	280	14.0	2.094	330	22.0	3.104	440	17.5	6.372
193	15.5	5.730	282	1.5	1.754	332	20.3	2.896	445	27.8	9.393
198	15.0	5.568	284	16.5	2.421	334	13.5	2.027	450	39.9	12.510
203	22.2	7.818	286 2/	22.6	3.174	336	17.2	2.510	455	16.4	6.020
208	23.3	8.141	288	44.1	5.389	338	12.9	1.946	460	9.5	3.680
213	14.1	5.267	290	46.6	5.604	340	20.9	7.424	465	1.7	.706
218	16.6	6.084	292	38.9	4.910	345	19.1	6.876	470	16.8	6.148
223	12.2	4.628	294	38.0	4.822	350	25.5	8.779	475	13.5	5.067
228	15.5	5.730	296	25.6	3.523	355	20.1	7.180	480	15.1	3.360
233	22.0	7.759	298	25.3	3.489	360	4.8	1.938	483	-	-

1/ Starting depth of sample below surface (elevation, 7,818 feet).

2/ Mahogany marker at depth of 285 feet (elevation, 7,533 feet).

TABLE 62. - Black Sulfur Falls corehole 2, Weber Oil Co., SE1/4NW1/4SE1/4 sec. 26, T. 3 S.,
R. 99 W., Rio Blanco County, Colo. (See fig. 34)

15	13.8	5.167	130	13.4	5.033	230	14.7	2.187	276	43.3	5.318
20	14.0	5.234	135	14.2	5.301	232	21.0	2.982	278	25.5	3.512
25	14.1	5.267	140	13.5	5.067	234	22.5	3.162	280	33.6	4.383
30	12.2	4.628	145	14.6	5.435	236	40.2	5.032	282	22.6	3.174
35	13.5	5.067	150	13.1	4.933	238	30.1	4.018	284	27.4	3.724
40	19.5	6.998	155	20.4	7.272	240	18.1	2.625	286	18.4	2.663
45	21.9	7.728	160	14.4	5.368	242	20.7	2.945	288	29.2	3.870
50	13.6	5.100	165	15.3	5.666	244	15.0	2.227	290	34.7	4.496
55	12.2	4.628	170	20.6	7.333	246	12.0	1.824	292	34.6	4.486
60	16.1	5.924	175	23.9	8.318	248 2/	17.5	2.549	294	36.0	4.626
65	10.4	3.999	180	15.5	5.730	250	31.7	4.185	296	28.6	3.855
70	8.8	3.430	185	16.1	5.924	252	24.2	3.362	298	22.2	3.127
75	14.4	5.368	190	13.7	5.134	254	27.0	3.680	300	16.9	6.180
80	16.6	6.084	195	15.8	5.828	256	37.7	4.792	305	21.3	15.091
85	12.4	4.696	200	19.5	6.998	258	54.2	6.218	315	25.1	8.665
90	14.1	5.267	205	17.3	6.308	260	47.9	5.712	320	18.5	6.688
95	19.6	7.028	210	21.1	7.485	262	41.1	5.115	325	26.1	8.949
100	13.8	5.167	215	15.8	5.828	264	26.6	3.636	330	27.1	9.228
105	20.6	7.333	220	11.1	1.698	266	28.4	3.833	335	16.1	5.927
110	12.3	4.662	222	5.3	.851	268	32.5	4.268	340	15.8	5.828
115	17.8	6.467	224	8.0	1.255	270	25.2	3.478	345	-	-
120	15.5	5.730	226	20.3	2.896	272	24.8	3.432			
125	15.6	5.763	228	26.5	3.624	274	44.7	5.441			

1/ Starting depth of sample below surface (elevation, 7,259 feet).

2/ Mahogany marker at depth of 247 feet (elevation, 7,012 feet).

TABLE 63. - Coscora corehole 1, Weber Oil Co., NW1/4NW1/4NE1/4 sec. 14, T. 4 S., P. 99 W.,
Rio Blanco County, Colo. (See fig. 35)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
57	2.3	0.380	230	10.7	4.105	394 ^{2/}	11.2	1.712	510	17.7	6.436
59	2.1	.347	235	25.0	8.637	396	11.5	1.754	515	21.4	7.576
61	11.0	1.684	240	13.1	4.933	398	37.0	4.724	520	21.5	7.606
63	10.2	1.571	245	13.6	5.100	400	25.2	3.478	525	19.6	7.028
65	4.5	1.093	250	19.3	6.937	402	26.0	3.568	530	22.0	7.759
68	9.2	2.144	255	16.3	5.988	404	39.5	4.966	535	15.9	5.860
71	7.5	2.363	260	20.2	7.211	406	50.9	5.960	540	22.6	7.935
75	4.0	1.301	265	16.3	6.148	408	49.9	5.879	545	22.6	7.935
79	4.4	2.139	279	13.2	4.966	410	36.2	4.646	550	33.8	11.010
85	11.6	2.652	275	16.4	6.020	412	30.2	4.029	555	10.7	4.105
88	9.3	1.444	280	15.0	5.568	414	27.0	3.680	560	8.8	3.430
90	7.0	2.215	285	12.7	4.798	416	22.1	3.115	565	12.3	4.662
94	6.3	2.006	290	16.1	5.924	418	40.6	5.068	570	14.6	5.435
98	7.2	3.980	295	17.2	6.276	420	38.2	4.841	575	16.8	6.148
105	8.0	5.649	300	11.3	4.316	422	28.2	3.812	580	25.7	8.836
114	13.2	1.987	305	16.1	5.924	424	28.0	3.790	585	19.1	6.876
116	17.5	5.097	310	15.7	5.795	426	19.6	2.811	590	11.0	4.211
120	9.6	5.944	315	19.8	7.089	428	24.6	3.408	595	20.2	7.211
128	10.7	3.284	320	19.0	6.846	430	17.0	2.485	600	10.3	3.963
132	13.5	4.053	325	20.0	7.150	432	25.6	3.523	605	10.3	3.963
136	14.4	4.293	330	13.7	5.134	434	26.5	3.624	610	7.1	2.806
140	13.9	5.201	335	14.8	5.501	436	31.8	4.195	615	1.9	1.785
145	21.2	7.515	340	15.5	5.730	438	37.4	4.763	620	2.3	.950
150	15.3	4.532	345	18.5	6.688	440	26.3	3.602	625	8.8	3.430
154	13.3	4.000	350	16.9	6.180	442	15.6	2.305	630	6.6	2.620
158	16.1	5.924	355	20.9	7.424	444	17.4	2.536	635	3.3	1.351
163	16.5	6.052	360	16.3	5.988	446	13.5	2.027	640	11.6	4.421
168	18.0	5.225	365	9.8	3.786	448	19.2	2.763	645	5.5	2.205
172	16.9	6.180	370	9.0	1.401	450	14.8	5.501	650	10.4	3.999
177	14.6	5.435	372	17.1	2.498	455	19.1	6.876	655	13.2	4.966
182	16.8	6.148	374	21.0	2.982	460	14.5	5.401	660	3.0	1.232
187	19.9	5.696	376	24.9	3.443	465	6.7	2.657	665	14.0	5.234
191	22.0	6.207	378	16.5	2.421	470	2.6	1.071	670	20.0	7.150
195	17.5	6.372	380	22.2	3.127	475	5.5	2.205	675	9.6	3.715
200	14.5	4.321	382	36.5	4.675	480	15.1	5.601	680	11.9	4.526
204	16.2	7.148	384	30.8	4.092	485	20.5	7.302	685	20.5	7.302
210	13.1	4.933	386	33.0	4.321	490	11.2	4.281	690	12.7	4.798
215	12.1	4.594	388	19.0	2.738	495	12.7	4.800	695	7.9	3.102
220	11.3	4.316	390	22.3	3.139	500	16.6	6.084	700	10.7	2.463
225	18.3	6.626	392	16.2	2.383	505	20.2	7.211	703	-	-

^{1/} Starting depth of sample below surface (elevation, 8,131 feet).

^{2/} Mahogany marker at depth of 394 feet (elevation, 7,737 feet).

TABLE 64. - Coscora corehole 2, Weber Oil Co., SW1/4SW1/4SE1/4 sec. 23, T. 4 S., R. 99 W.,
Garfield County, Colo. (See fig. 36)

20	11.7	4.456	90	17.1	6.244	155	14.6	5.435	220	14.3	5.334
25	17.1	6.244	95	12.0	4.560	160	17.1	6.244	225	16.5	6.052
30	14.7	5.468	100	9.0	3.503	165	14.3	5.334	230	18.3	6.626
35	21.7	7.667	105	15.9	5.860	170	14.1	5.267	235	18.6	6.720
40	13.3	5.000	110	17.6	6.404	175	20.2	7.211	240	17.9	6.500
45	17.4	12.679	115	13.1	4.933	180	20.0	7.150	245	11.2	4.246
55	17.9	6.499	120	16.2	5.956	185	13.2	4.966	250	5.3	.852
60	15.2	5.633	125	18.9	6.814	190	15.2	5.633	252	7.7	1.121
65	15.3	5.666	130	12.5	4.730	195	18.2	6.594	254	18.0	2.612
70	16.7	6.116	135	16.4	6.020	200	16.6	6.084	256	27.3	3.713
75	23.0	8.053	140	24.0	8.348	205	14.6	5.435	258	16.4	2.408
80	19.2	6.906	145	22.9	8.024	210	15.1	5.601	260	19.3	2.775
85	13.6	5.100	150	17.7	6.436	215	24.3	8.434	262	25.5	3.512

^{1/} Starting depth of sample below surface (elevation, 8,090 feet).

TABLE 64. - Coscora corehole 2, Weber Oil Co., SW1/4SW1/4SE1/4 sec. 23, T. 4 S., R. 99 W., Garfield County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
264	41.7	5.170	284	44.3	5.406	304	21.4	3.030	324	13.5	2.027
266	30.4	4.050	286	52.7	6.102	306	25.8	3.546	326	9.8	1.528
268	18.9	2.726	288	42.2	5.217	308	21.9	3.091	328	16.9	2.472
270	22.3	3.139	290	31.5	4.164	310	34.2	4.445	330	17.2	6.244
272	15.0	2.227	292	34.6	4.486	312	35.9	4.616	335	29.7	9.937
274 2/	11.7	1.782	294	21.9	3.091	314	31.2	4.134	340	21.8	7.698
276	17.8	2.587	296	46.4	5.587	316	40.3	5.041	345	12.7	3.838
278	29.3	3.931	298	35.3	4.556	318	26.4	3.613	349	4.7	1.899
280	24.2	3.362	300	31.8	4.195	320	16.8	2.459	354	-	-
282	33.0	4.321	302	32.4	4.257	322	22.7	3.186			

1/ Starting depth of sample below surface (elevation, 8,090 feet).

2/ Mahogany marker at depth of 274 feet (elevation, 7,816 feet).

TABLE 65. - Figure 4 corehole 1, Weber Oil Co., located at a point whence E. 1/4 corner of sec. 10, T. 4 S., R. 99 W. bears S. 87° 45' E. 1,091.2 feet, Rio Blanco County, Colo. (See fig. 37)

2.0	8.3	3.248	186.0	53.2	6.141	387.0	8.3	7.794	599.0	12.2	4.628
7.0	15.2	5.633	188.0	31.9	4.205	399.0	7.1	10.663	604.0	9.1	5.661
12.0	23.7	8.259	190.0	34.5	11.119	418.0	4.2	1.704	612.0	9.9	3.821
17.0	12.4	4.696	195.0	20.0	7.150	423.0	13.1	15.786	617.0	19.6	7.028
22.0	10.7	4.105	200.0	32.9	10.775	439.0	12.2	6.480	622.0	17.5	5.097
27.0	16.1	5.924	205.0	27.0	9.200	446.0	4.5	1.821	626.0	11.5	3.509
32.0	17.7	6.436	210.0	20.1	7.180	451.0	2.2	.727	630.0	11.4	4.351
37.0	12.0	4.560	215.0	31.5	10.411	455.0	28.2	5.717	635.0	18.6	6.720
42.0	18.5	6.688	220.0	12.7	4.798	458.0	15.3	4.532	64. 1	20.9	5.939
47.0	13.9	5.201	225.0	20.9	7.424	462.0	7.4	2.334	644.0	23.7	8.259
52.0	17.2	8.786	230.0	18.8	6.783	466.0	10.5	3.227	649.0	14.5	5.401
59.0	12.7	4.798	235.0	21.6	10.692	470.0	22.0	7.759	654.0	18.6	6.720
64.0	13.5	5.574	242.0	16.5	8.473	475.0	10.1	3.892	659.0	22.8	6.395
69.5	13.0	5.390	249.0	20.6	14.665	480.0	15.7	4.636	663.0	15.7	4.636
75.0	12.6	4.714	259.0	13.5	10.134	484.0	19.7	7.059	667.0	7.2	2.843
80.0	22.0	7.759	269.0	19.3	9.712	489.0	19.4	6.967	672.0	10.7	4.105
85.0	17.3	6.308	276.0	12.4	4.696	494.0	18.0	6.531	677.0	10.5	3.227
90.0	14.6	5.435	281.0	18.8	6.783	499.0	9.2	3.574	681.0	15.6	4.610
95.0	17.1	6.244	286.0	21.0	7.454	504.0	6.6	2.096	685.0	15.2	6.760
100.0	21.3	7.546	291.0	19.1	6.876	508.0	24.5	8.492	691.0	11.8	4.490
105.0	15.4	5.698	296.0	16.3	5.988	513.0	12.0	4.560	696.0	15.3	4.532
110.0	17.0	6.212	301.0	19.7	7.059	518.0	4.4	1.426	700.0	7.2	3.412
115.0	12.9	6.326	306.0	24.6	8.521	522.0	10.8	3.312	706.0	11.6	4.421
121.5	14.2	6.891	311.0	22.2	7.818	526.0	4.0	1.626	711.0	9.2	3.574
128.0	19.5	7.698	316.0	15.8	5.828	531.0	16.0	5.893	716.0	4.1	1.332
133.5	19.9	7.832	321.0	25.8	8.864	536.0	8.4	2.627	720.0	3.1	.763
139.0	17.9	6.499	326.0	31.7	10.462	540.0	11.0	3.369	723.0	Missing	-
144.0	9.4	3.644	331.0	17.3	6.308	544.0	13.2	4.966	727.0	10.4	3.998
149.0	10.9	4.593	336.0	17.3	6.308	549.0	26.3	9.005	732.0	7.6	3.589
154.5	21.5	8.367	341.0	9.7	3.751	554.0	27.4	7.448	738.0	8.7	4.072
160.0	23.0	8.053	346.0	21.3	16.600	558.0	16.7	4.893	744.0	7.2	3.980
165.02/	31.8	10.487	357.0	14.3	5.334	562.0	3.7	1.508	751.0	5.8	1.855
170.0	17.7	6.436	362.0	18.5	6.688	567.0	21.2	7.515	755.0	15.4	4.558
175.0	16.3	5.988	367.0	25.4	8.751	572.0	2.7	1.333	759.0	-	-
180.0	34.8	4.506	372.0	16.1	5.924	578.0	3.8	1.548			
182.0	30.5	4.060	377.0	8.2	3.211	583.0	10.3	4.756			
184.0	41.6	5.162	382.0	19.1	6.876	594.0	12.9	4.866			

1/ Starting depth of sample below surface (elevation, 7,986 feet).

2/ Mahogany marker at depth of 165 feet (elevation, 7,821 feet).

TABLE 66. - Figure 4 corehole 2, Weber Oil Co., SW1/4SW1/4NW1/4 sec. 15, T. 4 S., R. 99 W.,
Rio Blanco County, Colo. (See fig. 38)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
30	14.4	5.368	145	16.1	5.924	250	16.2	2.383	298	19.4	2.787
35	16.0	5.893	150	14.0	5.234	252	20.8	2.957	300	26.8	3.658
40	15.3	5.666	155	14.5	5.401	254	26.3	3.602	302	17.9	2.600
45	17.5	6.372	160	12.0	4.560	258	39.7	4.985	304	30.3	4.039
50	14.6	5.395	165	14.5	5.401	260	22.9	3.209	306	23.3	3.256
55	15.5	5.730	170	17.1	6.244	262 2/	19.1	2.750	308	31.3	4.144
60	20.4	7.272	175	11.3	4.316	264	14.4	2.147	310	32.7	4.289
65	14.8	5.501	180	16.9	6.180	266	13.2	1.987	312	33.5	4.373
70	21.7	7.667	185	15.3	5.666	268	31.1	4.124	314	24.6	3.408
75	13.7	5.134	190	15.5	5.730	270	21.9	3.091	316	17.2	2.510
80	13.5	5.067	195	20.5	7.302	272	30.1	4.018	318	19.9	2.848
85	11.7	4.466	200	15.2	11.266	274	40.3	5.041	320	15.3	5.666
90	10.6	4.069	210	13.5	5.067	276	50.7	5.944	325	23.7	8.259
95	14.2	5.301	215	14.6	5.395	278	33.8	4.404	330	17.4	6.340
100	8.4	3.248	220	20.0	7.150	280	42.2	5.217	335	16.3	5.988
105	10.6	4.069	225	16.5	6.052	282	23.8	3.315	340	12.0	4.560
110	28.8	9.691	230	23.3	8.141	284	28.2	3.812	345	4.1	1.666
115	13.6	5.100	235	10.6	4.069	286	30.6	4.071	350	4.0	1.626
120	14.6	5.435	240	3.1	.509	288	19.8	2.836	355	16.4	6.020
125	19.8	7.089	242	4.7	.760	290	40.4	5.050	360	18.0	6.531
130	14.3	5.334	244	16.7	2.446	292	37.0	4.724	365	10.7	5.747
135	19.0	6.846	246	28.7	3.866	294	48.2	5.736	372	-	-
140	16.0	5.893	248	15.8	2.331	296	18.4	2.663			

1/ Starting depth of sample below surface (elevation, 8,160 feet).

2/ Mahogany marker at depth of 262 feet (elevation, 7,898 feet).

TABLE 67. - Figure 4 corehole 3, Weber Oil Co., NW1/4NE1/4NE1/4 sec. 17, T. 4 S., R. 99 W.,
Rio Blanco County, Colo. (See fig. 39)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
25	9.2	3.574	145	14.4	5.368	250	30.8	4.092	296	16.3	2.395
30	22.2	7.818	150	15.0	5.568	252	28.1	3.801	298	29.8	3.986
35	16.3	11.977	155	13.6	5.100	254	36.3	4.656	300	29.4	3.942
45	15.7	5.795	160	14.3	5.334	256	21.2	3.011	302	30.6	4.071
50	14.4	5.368	165	13.0	4.900	258	22.5	3.162	304	33.5	4.373
55	12.6	4.764	170	18.4	6.657	260	15.6	2.174	306	22.2	3.127
60	14.6	5.394	175	14.9	5.535	262	10.4	1.599	308	17.1	2.498
65	15.4	5.698	180	16.7	6.116	264 2/	15.7	2.318	310	14.2	2.120
70	23.1	8.082	185	14.3	5.334	266	33.1	4.331	312	17.0	2.485
75	15.8	5.828	190	15.7	5.795	268	19.1	2.750	314	7.6	1.196
80	12.4	4.696	195	23.5	8.200	270	30.7	4.082	316	18.7	2.700
85	16.6	6.084	200	14.4	10.736	272	38.2	4.841	318	17.2	2.510
90	10.3	3.963	210	9.3	3.609	274	47.2	5.654	320	22.2	7.818
95	10.5	4.034	215	15.9	5.860	276	50.4	5.920	325	16.6	6.084
100	13.2	4.966	220	19.4	6.967	278	35.7	4.596	330	12.7	4.798
105	13.3	5.000	225	18.0	6.531	280	23.5	3.280	335	9.8	3.786
110	11.2	4.281	230	16.1	5.924	282	31.9	4.205	340	2.0	.828
115	16.7	6.116	235	5.6	2.243	284	25.5	3.512	345	4.1	1.666
120	22.1	7.788	240	3.8	.619	286	42.4	5.236	350	21.1	7.485
125	11.6	4.420	242	16.0	2.357	288	32.6	4.279	355	16.4	6.020
130	14.8	5.301	244	23.7	3.304	290	30.9	4.103	360	7.8	1.839
135	18.3	6.626	246	16.3	2.395	292	21.1	2.994	363	-	-
140	21.5	7.606	248	17.4	2.536	294	25.5	3.512			

1/ Starting depth of sample below surface (elevation, 8,351 feet).

2/ Mahogany marker at depth of 263 feet (elevation, 8,088 feet).

TABLE 68. - G. J. corehole 1, Weber Oil Co., SW1/4NE1/4SW1/4 sec. 23, T. 2 S., R. 100 W.,
Rio Blanco County, Colo. (See fig. 40)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
30	17.2	6.276	130	13.4	5.033	188	26.1	3.580	228	27.9	3.779
35	11.0	4.211	135	16.1	5.924	190	21.8	3.079	230	18.5	2.675
40	14.8	5.504	140	16.0	5.893	192	26.7	3.647	232	18.3	2.650
45	8.1	3.175	145	14.7	5.468	194	31.3	4.144	234	14.2	2.120
50	6.6	2.620	150	6.8	2.694	196	53.1	6.133	236	7.2	1.137
55	9.3	3.609	155	5.4	2.167	198	37.1	4.734	238	14.1	2.107
60	9.5	3.680	160	14.3	2.134	200	31.4	4.154	240	15.4	5.698
65	12.9	4.866	162	24.6	3.408	202	23.9	3.327	245	14.0	5.234
70	12.7	4.798	164	15.2	2.253	204	31.4	4.154	250	20.6	7.313
75	12.5	4.730	166	15.3	2.266	206	20.9	2.970	255	11.1	4.246
80	12.6	4.764	168	19.2	2.763	208	40.0	5.013	260	11.0	4.711
85	11.9	4.526	170	27.3	3.713	210	39.8	4.995	265	5.4	2.167
90	11.6	4.421	172	36.3	4.656	212	26.5	3.624	270	1.9	.787
95	15.6	5.763	174	25.3	3.489	214	27.1	3.691	275	2.3	.950
100	11.2	4.281	176	16.8	2.459	216	19.1	2.750	280	3.3	1.351
105	9.4	3.644	178	18.3	2.650	218	24.5	3.397	285	20.8	7.394
110	18.1	6.563	180	13.2	1.987	220	15.3	2.266	290	-	-
115	18.7	6.751	182	12.3	1.865	222	29.7	3.975			
120	13.8	5.167	184	12.9	1.946	224	28.3	3.822			
125	9.3	3.609	186 2/	15.8	2.331	226	30.7	4.082			

1/ Starting depth of sample below surface (elevation, 7,964 feet).

2/ Mahogany marker at depth of 185 feet (elevation, 7,779 feet).

TABLE 69. - G. J. corehole 2, Weber Oil Co., SE1/4NW1/4SW1/4 sec. 26, T. 2 S., R. 100 W.,
Rio Blanco County, Colo. (See fig. 41)

30	15.3	5.666	140	10.9	4.176	241	7.2	1.137	285	33.0	4.321
35	15.0	5.568	145	9.6	3.715	243	16.4	2.408	287	39.5	4.966
40	8.7	3.393	150	12.1	4.594	245	21.2	3.006	289	31.2	4.134
45	10.1	3.892	155	12.8	4.832	247	13.1	1.973	291	21.8	3.079
50	14.0	5.234	160	11.3	4.316	249	15.2	2.253	293	18.0	2.612
55	7.9	3.102	165	12.4	4.696	251	23.5	3.280	295	16.3	2.395
60	8.7	3.393	170	15.7	5.795	253	35.6	4.586	297	26.0	3.568
65	6.4	2.545	175	8.2	3.211	255	24.3	3.374	299	41.7	5.171
70	13.1	4.933	180	14.5	5.401	257	15.1	2.240	301	31.0	4.113
75	8.9	3.466	185	13.0	4.900	259	22.3	3.139	303	37.2	4.744
80	13.0	4.900	190	13.5	5.067	261	13.3	2.000	305	25.5	3.512
85	7.7	3.028	195	21.5	7.606	263 2/	10.5	1.614	307	17.0	2.485
90	16.2	5.956	200	13.4	5.033	265	8.1	1.270	309	15.0	2.227
95	14.5	5.401	205	13.3	5.000	267	23.8	3.315	311	7.3	1.152
100	9.5	3.680	210	8.5	3.320	269	21.7	3.067	313	11.7	1.782
105	3.7	1.508	215	13.3	5.000	271	18.6	2.688	315	16.2	5.956
110	10.9	4.176	220	10.9	4.176	273	39.0	4.920	320	22.8	7.994
115	7.6	2.991	225	15.0	5.568	275	46.3	5.578	325	19.7	7.089
120	18.0	6.531	230	13.4	5.033	277	38.6	4.880	330	16.2	5.956
125	10.5	4.034	235	5.4	.867	279	29.2	3.920	335	-	-
130	10.0	3.857	237	9.3	1.444	281	27.6	3.746			
135	9.2	3.574	239	3.8	.619	283	21.1	2.994			

1/ Starting depth of sample below surface (elevation, 8,163 feet).

2/ Mahogany marker at depth of 262 feet (elevation, 7,901 feet).

TABLE 70. - G. J. corehole 3, Weber Oil Co., SE1/4SE1/4SW1/4 sec. 35, T. 2 S., R. 100 W.,
Rio Blanco County, Colo. (See fig. 42)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
85	16.7	6.116	175	14.9	5.535	232	18.0	2.612	268	31.3	4.144
90	3.4	1.390	180	13.4	5.033	234	14.5	2.160	270	40.5	5.059
95	10.8	4.140	185	9.3	3.609	236 2/	9.3	1.444	272	32.1	4.226
100	7.3	2.880	190	11.5	4.386	238	17.5	2.549	274	28.6	3.855
105	18.3	6.626	195	15.7	5.795	240	25.5	3.512	276	15.2	2.253
110	9.1	3.538	200	16.8	6.148	242	19.9	2.848	278	18.7	2.700
115	12.8	4.832	205	6.2	2.470	244	24.9	3.443	280	11.0	1.684
120	11.8	4.491	210	7.8	1.226	246	44.0	5.381	282	9.2	2.165
125	9.2	3.574	212	4.4	.713	248	47.4	5.671	285	8.0	.628
130	12.3	4.662	214	6.1	.973	250	31.3	4.144	286	16.6	2.434
135	13.1	4.933	216	15.8	2.331	252	22.0	3.104	288	20.3	2.896
140	10.9	4.176	218	21.1	2.994	254	20.8	2.957	290	15.6	5.763
145	11.1	4.246	220	12.4	1.878	256	23.9	3.327	295	22.4	7.876
150	12.8	4.832	222	13.1	1.973	258	40.8	5.087	300	11.2	4.281
155	17.4	6.339	224	22.6	3.174	260	30.9	4.103	305	-	-
160	12.1	4.594	226	37.8	4.802	262	26.4	3.613			
165	10.6	4.069	228	24.8	3.432	264	19.2	2.763			
170	19.7	7.059	230	16.1	2.370	266	17.1	2.498			

1/ Starting depth of sample below surface (elevation, 8,238 feet).

2/ Mahogany marker at depth of 235 feet (elevation, 8,003 feet).

TABLE 71. - Joe T. corehole 1, Weber Oil Co., SE1/4SE1/4SE1/4 sec. 19, T. 4 S., R. 99 W.,
Garfield County, Colo. (See fig. 43)

20	14.2	5.301	100	12.6	1.906	180	10.4	1.599	224	29.4	3.942
25	12.7	4.800	102	12.9	1.946	182	5.8	.928	226	20.6	2.933
30	15.2	5.633	104	13.9	2.080	184	2.8	.460	228	31.1	4.124
35	22.8	7.994	106	20.1	2.872	186	13.7	2.053	230	37.4	4.763
40	15.4	5.698	108	14.2	2.120	188	20.9	2.970	232	27.6	3.746
45	12.2	4.628	110	12.7	1.919	190	18.2	2.638	234	25.0	3.455
50	15.4	5.698	112	12.0	1.824	192	15.4	2.279	236	22.6	3.174
55	9.3	3.609	114	13.9	2.080	194	20.7	2.945	238	18.6	2.688
60	14.6	5.435	116	11.7	1.782	196	35.3	4.556	240	24.7	3.420
65	10.2	3.928	118	12.0	1.824	198	30.0	4.008	242	39.6	4.976
70	13.2	4.966	120	15.0	5.568	200	18.0	2.612	244	30.2	4.029
75	16.0	5.895	125	12.2	4.628	202	23.0	3.221	246	34.1	4.435
80	28.5	3.844	130	20.9	7.424	204	16.1	2.370	248	23.7	3.304
82	12.1	1.838	135	13.2	4.966	206 2/	12.3	1.865	250	17.0	2.485
84	8.6	1.343	140	13.9	5.201	208	10.7	1.642	252	19.6	2.811
86	15.7	2.318	145	22.7	7.965	210	26.9	3.669	254	9.6	1.486
88	11.9	1.810	150	12.9	4.866	212	22.3	3.139	256	13.5	2.027
90	13.1	1.973	155	13.0	4.900	214	30.2	4.029	258	12.8	1.933
92	27.1	3.691	160	12.4	4.696	216	39.5	4.966	260	21.3	6.036
94	15.3	2.266	165	16.0	5.893	218	57.4	6.463	264	-	-
96	7.9	1.240	170	17.5	6.372	220	38.3	4.851			
98	22.3	3.139	175	11.5	4.386	222	28.8	3.876			

1/ Starting depth of sample below surface (elevation, 8,274 feet).

2/ Mahogany marker at depth of 206 feet (elevation, 8,068 feet).

TABLE 72. - Juhan corehole 1, Weber Oil Co., W1/2W1/2 sec. 1, T. 1 S., R. 96 W.,
Rio Blanco County, Colo. (See fig. 44)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
180	14.5	2.160	214	8.2	1.284	248	13.6	2.040	282	14.5	2.160
182	10.1	1.557	216 ^{2/}	9.1	1.415	250	17.7	2.574	284	18.2	2.638
184	17.6	2.561	218	6.8	1.078	252	16.2	2.383	286	24.2	3.362
186	15.0	2.227	220	7.3	1.152	254	13.9	2.080	288	12.2	1.851
188	10.9	1.670	222	12.5	1.892	256	21.9	3.091	290	15.7	2.318
190	9.2	1.429	224	24.0	3.339	258	26.5	3.624	292	15.0	2.227
192	9.3	1.444	226	12.3	1.865	260	21.9	3.091	294	11.2	1.712
194	15.7	2.318	228	13.3	2.000	262	17.6	2.561	296	13.5	2.027
196	19.3	2.775	230	15.8	2.331	264	10.2	1.571	298	9.0	1.402
198	19.7	2.823	232	14.9	2.214	266	13.1	1.973	300	4.5	.728
200	20.7	2.945	234	12.0	1.824	268	20.3	2.896	302	5.5	.882
202	15.4	2.279	236	25.5	3.512	270	13.9	2.080	304	12.3	1.865
204	12.5	1.892	238	26.2	3.591	272	12.9	1.946	306	10.7	1.642
206	22.1	3.115	240	30.4	4.050	274	12.0	1.824	308	6.0	.958
208	12.4	1.878	242	28.6	3.855	276	19.4	2.787	310	12.7	1.919
210	12.4	1.878	244	17.8	2.587	278	20.0	2.860	312	-	-
212	10.7	1.642	246	22.2	3.127	280	14.5	2.160			

1/ Starting depth of sample below surface (elevation, approximately 6,240 feet).

2/ Mahogany marker was not positively identified but was estimated to be at a depth of 217 feet (elevation, approximately 6,023 feet).

TABLE 73. - Marcedus corehole 1, Weber Oil Co., SE1/4SE1/4 sec. 31, T. 3 S., R. 98 W.,
Rio Blanco County, Colo. (See fig. 45)

30	0.2	0.084	200	13.3	5.000	334	13.6	2.040	420	4.2	1.704
35	1.1	.460	205	13.8	5.167	336 ^{2/}	11.1	1.698	425	6.4	2.545
40	3.7	1.508	210	12.7	4.798	338	16.2	2.383	430	21.2	7.515
45	3.4	1.390	215	17.5	6.372	340	33.6	4.383	435	26.0	8.921
50	3.2	1.311	220	18.3	6.626	342	25.0	3.455	440	13.5	5.067
55	11.4	4.351	225	11.1	4.246	344	26.7	3.647	445	16.2	5.956
60	19.1	6.876	230	19.6	7.028	346	44.0	5.381	450	16.2	5.956
65	9.7	3.751	235	12.9	4.866	348	49.9	5.879	455	18.8	6.783
70	16.5	6.052	240	17.2	6.276	350	37.5	4.773	460	23.6	8.230
75	19.2	6.906	245	15.1	5.601	352	26.0	3.568	465	23.9	8.318
80	13.5	5.067	250	17.6	6.404	354	33.0	4.320	470	22.7	7.965
85	17.9	6.499	255	22.0	7.759	356	21.1	2.994	475	20.9	7.424
90	16.2	5.956	260	16.9	6.180	358	40.7	5.078	480	22.0	7.759
95	16.0	5.893	265	10.9	4.176	360	41.2	5.124	485	24.2	8.405
100	15.8	5.828	270	16.6	6.084	362	25.5	3.512	490	29.6	9.909
105	13.6	5.100	275	22.2	7.818	364	33.5	4.373	495	23.0	8.053
110	14.4	5.368	280	16.4	6.020	366	25.0	3.455	500	9.9	3.821
115	14.5	5.401	285	20.7	7.363	368	30.6	4.071	505	25.5	8.779
120	20.6	7.333	290	22.3	7.847	370	18.2	2.625	510	26.2	8.977
125	21.7	7.667	295	20.3	7.241	372	28.1	3.801	515	26.4	9.033
130	14.3	5.334	300	22.6	7.935	374	31.8	4.195	520	37.8	12.006
135	11.1	4.246	305	11.5	4.386	376	27.4	3.724	525	20.3	7.241
140	13.1	4.933	310	4.4	.713	378	18.6	2.688	530	9.8	3.786
145	14.5	5.401	312	13.6	2.040	380	22.4	3.152	535	15.0	5.568
150	10.5	4.034	314	28.2	3.812	382	32.6	4.279	540	17.8	6.467
155	17.0	6.212	316	22.7	3.186	384	37.8	4.802	545	26.8	9.145
160	15.1	5.601	318	16.3	2.395	386	20.7	2.949	550	27.1	9.228
165	21.6	7.637	320	25.0	3.455	388	13.7	2.053	555	26.9	9.173
170	11.0	4.211	322	21.5	3.043	390	18.9	6.531	560	12.9	4.866
175	14.6	5.435	324	43.4	5.327	395	16.8	6.148	565	13.3	4.000
180	19.1	6.876	326	40.1	5.023	400	30.2	10.072	570	22.5	7.906
185	15.9	5.861	328	24.8	3.432	405	25.3	8.722	575	13.1	4.933
190	14.3	5.334	330	18.8	2.713	410	12.0	4.560	580	9.9	3.057
195	13.9	5.201	332	18.8	2.713	415	15.3	5.666	584	-	-

1/ Starting depth of sample below surface (elevation, 7,316 feet).

2/ Mahogany marker at depth of 335 feet (elevation, 6,981 feet).

TABLE 74. - Marcedus corehole 2, Weber Oil Co., SW1/4NW1/4 sec. 30, T. 3 S., R. 98 W.,
Rio Blanco County, Colo. (See fig. 46)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
90	3.3	1.331	255	12.5	4.730	420	17.8	6.467	544	40.6	5.068
95	6.4	2.545	260	13.3	5.000	425	20.0	7.150	546	60.4	6.679
100	28.2	9.529	265	17.0	6.212	430	20.6	7.333	548	51.3	5.991
105	19.3	6.937	270	16.2	5.956	435	14.5	5.401	550	34.5	4.476
110	.4	.168	275	15.0	5.568	440	16.4	6.020	552	26.7	3.647
115	.3	.126	280	15.1	5.601	445	18.2	6.594	554	34.0	4.425
120	.0	.000	285	13.0	4.900	450	23.5	8.200	556	32.2	4.236
125	2.8	1.152	290	13.2	4.966	455	22.1	7.788	558	24.0	3.339
130	10.9	4.176	295	14.2	5.301	460	13.1	4.933	560	24.5	3.397
135	6.4	2.545	300	13.1	4.933	465	17.1	6.244	562	27.8	3.768
140	9.8	3.786	305	24.2	8.405	470	10.2	3.928	564	40.6	5.068
145	8.7	3.393	310	19.3	6.937	475	15.4	5.698	566	40.5	5.059
150	5.8	2.319	315	12.5	4.730	480	21.0	7.454	568	34.7	4.496
155	4.1	1.666	320	16.0	5.893	485	18.5	6.688	570	24.7	3.420
160	9.7	3.751	325	15.7	5.795	490	16.8	6.148	572	21.9	3.091
165	17.5	6.372	330	11.8	4.490	495	23.5	8.200	574	30.1	4.018
170	6.7	2.657	335	8.2	3.211	500	36.7	11.737	576	18.8	2.713
175	4.3	1.743	340	19.8	7.089	505	31.3	10.360	578	29.7	3.975
180	4.5	1.821	345	15.4	5.698	510	19.9	7.120	580	33.9	4.414
185	4.6	1.860	350	10.3	3.963	515	23.1	4.850	582	28.6	3.855
190	4.9	1.977	355	13.9	5.201	518	24.7	3.420	584	34.9	4.516
195	5.9	2.357	360	13.7	5.134	520	37.1	4.734	586	41.2	5.124
200	6.9	2.732	365	25.5	8.779	522	33.3	4.352	588	32.3	4.246
205	7.2	2.843	370	15.5	5.730	524	33.6	4.383	590	28.0	9.475
210	1.4	.583	375	23.1	8.082	526	44.3	5.406	595	21.5	7.606
215	5.4	2.167	380	18.3	6.626	528	21.4	3.037	600	18.2	6.594
220	10.4	3.999	385	19.7	7.059	530	20.4	2.909	605	17.2	6.276
225	12.3	4.662	390	14.2	5.301	532	18.4	2.663	610	29.3	9.827
230	14.3	5.334	395	13.9	5.201	534	19.6	2.811	615	30.7	10.204
235	13.5	5.067	400	17.6	6.404	536 2/	14.3	2.134	620	15.2	5.633
240	9.8	3.786	405	13.6	5.100	538	29.9	3.997	625	17.5	6.372
245	17.4	6.340	410	14.5	5.401	540	23.8	3.315	630	15.4	2.279
250	12.9	4.866	415	16.2	5.956	542	29.9	3.997	632	-	-

1/ Starting depth of sample below surface (elevation, 7,176 feet).

2/ Mahogany marker at depth of 535 feet (elevation, 6,641 feet).

TABLE 75. - Ureca corehole 1, Weber Oil Co., NE1/4SE1/4 sec. 13, T. 4 S., R. 99 W.,
Rio Blanco County, Colo. (See fig. 47)

35	11.1	4.246	135	15.6	5.763	235	14.6	5.435	298 2/	11.7	1.782
40	11.8	4.490	140	16.4	6.020	240	12.2	4.628	300	31.9	4.205
45	17.2	6.276	145	20.9	7.424	245	16.6	6.084	302	23.6	3.292
50	11.7	4.456	150	11.6	4.421	250	20.3	7.241	304	29.5	3.953
55	15.6	5.763	155	15.6	5.763	255	17.5	6.372	306	41.8	5.180
60	17.7	6.436	160	19.8	7.089	260	21.8	7.698	308	54.9	12.546
65	15.1	5.601	165	15.7	5.795	265	9.0	3.503	312	46.1	5.561
70	17.4	6.340	170	16.0	5.893	270	6.8	2.155	314	35.3	4.556
75	16.2	5.960	175	12.1	4.594	274	4.6	.744	316	26.9	3.669
80	15.1	5.601	180	17.0	6.212	276	17.6	2.561	318	29.9	3.997
85	14.6	5.435	185	14.0	5.234	278	27.4	3.724	320	23.9	3.327
90	14.7	5.468	190	12.9	4.866	280	20.9	2.970	322	42.9	5.282
95	18.5	6.688	195	15.8	5.828	282	16.0	2.357	324	40.4	5.050
100	24.5	8.492	200	18.6	6.720	284	22.6	3.174	326	24.6	3.408
105	14.4	5.368	205	18.9	6.814	286	28.1	3.801	328	28.6	3.855
110	11.9	4.526	210	13.0	4.900	288	35.4	4.566	330	21.1	2.994
115	19.5	6.998	215	16.3	5.988	290	33.3	4.352	332	27.5	3.735
120	11.2	4.281	220	18.5	6.688	292	27.1	3.691	334	39.8	4.994
125	17.5	6.372	225	24.6	8.521	294	23.0	3.221	336	31.7	4.185
130	13.2	4.966	230	15.7	5.795	296	14.8	2.201	338	35.5	4.576

See footnotes at end of table.

TABLE 75. - Ureca corehole 1, Weber Oil Co., NE1/4SE1/4 sec. 13, T. 4 S., R. 99 W.,
Rio Blanco County, Colo. (Con.)

Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. ^{1/}	Oil, gal. per ton	Footage times gal. per cu. ft.
340	25.6	3.523	360	18.8	6.783	400	14.7	5.468	440	22.1	7.788
342	18.4	2.663	365	12.1	4.594	405	29.2	9.799	445	21.7	7.667
344	15.7	2.318	370	5.7	2.281	410	15.0	5.568	450	32.2	10.790
346	13.1	1.973	375	2.5	.206	415	21.5	7.606	455	15.5	7.409
348	17.0	2.584	376	Missing		420	17.3	6.308	460	5.9	.943
350	16.2	2.383	388	13.4	2.013	425	21.2	7.515	462	-	-
352	31.2	4.134	390	9.3	3.608	430	20.4	7.272			
354	15.6	6.916	395	13.9	5.201	435	16.8	6.148			

1/ Starting depth of sample below surface (elevation, 8,020 feet).

2/ Mahogany marker at depth of 298 feet (elevation, 7,722 feet).

TABLE 76. - Ute corehole 1, Weber Oil Co., located at a point whence the N. 1/4 corner of sec. 28, T.
3 S., R. 99 W., bears N. 28° 41' E. 1,146.2 feet, Rio Blanco County, Colo. (See fig. 48)

190	5.1	2.054	325	13.3	5.000	460	14.6	5.435	538	39.2	4.938
195	.0	.0	330	12.5	4.730	465	15.7	5.795	540	50.6	5.936
200	4.8	1.938	335	11.1	4.246	470	15.8	5.828	542	51.0	5.968
205	2.0	.828	340	11.8	4.490	475	16.0	5.893	544	38.4	4.861
210	.5	.210	345	10.1	3.892	480	18.6	6.720	546	25.5	3.512
215	2.0	.828	350	14.8	5.501	485	20.3	7.241	548	35.2	4.546
220	3.4	1.390	355	17.9	6.499	490	20.5	7.302	550	29.8	3.986
225	5.6	2.243	360	13.4	5.033	495	9.8	3.786	552	42.7	5.263
230	2.0	.828	365	19.3	6.937	500	4.4	.713	554	28.9	3.887
235	8.0	3.138	370	7.1	2.806	502	2.5	.412	556	22.7	3.186
240	15.0	5.568	375	13.5	5.067	504	4.7	.760	558	30.0	4.008
245	13.1	4.933	380	18.1	6.563	506	15.3	2.266	560	28.0	3.790
250	10.2	3.928	385	16.6	6.084	508	30.5	4.060	562	30.7	4.082
255	12.7	4.798	390	8.0	3.138	510	19.0	2.738	564	26.3	3.602
260	17.5	5.988	395	14.5	5.401	512	13.9	2.080	566	17.5	2.549
265	15.2	5.633	400	12.4	4.696	514	23.2	3.245	568	32.6	4.279
270	15.9	5.860	405	16.5	6.052	516	29.9	3.997	570	29.8	3.986
275	14.2	5.301	410	18.9	6.814	518	40.8	5.087	572	11.9	1.816
280	13.4	5.033	415	20.1	7.180	520	29.0	3.898	574	12.6	1.906
285	13.0	4.900	420	12.8	4.832	522	17.0	2.485	576	24.6	3.408
290	14.3	5.334	425	12.6	4.764	524	19.7	2.823	578	20.3	2.896
295	13.1	4.933	430	22.2	7.818	526 ^{2/}	16.8	2.459	580	22.6	7.935
300	15.3	5.666	435	21.9	7.728	528	13.0	1.960	585	22.6	7.935
305	17.9	6.499	440	16.3	5.988	530	30.3	4.039	590	18.8	8.139
310	22.0	7.759	445	15.3	5.666	532	26.4	3.613	596	-	-
315	12.9	4.866	450	16.2	5.956	534	25.7	3.534			
320	12.9	4.866	455	18.8	6.783	536	33.3	4.352			

1/ Starting depth of sample from surface (elevation, 8,162 feet).

2/ Mahogany marker at depth of 527 feet (elevation, 7,635 feet).

TABLE 77. - Ute corehole 2, Weber Oil Co., located at a point whence the E. 1/4 corner of sec. 33, T.
3 S., R. 99 W., bears N. 53° 45' E. 230.5 feet, Rio Blanco County, Colo. (See fig. 49)

30	15.5	5.730	65	13.8	5.167	100	16.9	6.180	132	6.3	1.003
35	14.2	5.300	70	20.4	7.272	105	11.3	4.316	134	8.6	1.343
40	15.4	5.698	75	18.5	6.688	110	15.2	5.633	136	19.3	2.775
45	13.5	5.067	80	16.0	5.893	115	21.0	7.454	138	26.0	3.568
50	15.1	5.601	85	21.3	7.546	120	16.4	6.020	140	17.7	2.574
55	15.1	5.601	90	19.3	6.937	125	24.5	8.492	142	16.4	2.408
60	15.6	5.763	95	12.2	4.628	130	9.3	1.444	144	21.6	3.055

1/ Starting depth of sample below surface (elevation, 8,113 feet).

TABLE 77. - Ute corehole 2, Weber Oil Co., located at a point whence the E. 1/4 corner of sec. 33, T. 3 S., R. 99 W., bears N. 53° 45' E. 230.5 feet, Rio Blanco County, Colo. (Con.)

Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.	Sample depth, ft. 1/	Oil, gal. per ton	Footage times gal. per cu. ft.
146	37.5	4.773	182	21.7	3.067	230	12.2	4.628	320	22.8	7.994
148	36.8	4.704	184	19.9	2.848	235	11.9	4.526	325	15.0	5.568
150	28.2	3.812	186	22.6	3.174	240	4.8	1.938	330	34.1	11.087
152	16.8	2.459	188	27.1	3.691	245	10.8	4.140	335	35.8	11.516
154	21.6	3.055	190	34.0	4.425	250	28.3	9.556	340	15.3	5.666
156	13.3	2.000	192	21.6	3.055	255	22.4	7.876	345	9.2	3.574
158 2/	10.6	1.628	194	29.2	3.920	260	11.1	4.246	350	1.6	.665
160	14.4	2.147	196	27.9	3.779	265	11.6	4.421	355	13.9	5.201
162	33.2	4.342	198	21.4	3.030	270	15.9	5.860	360	17.4	6.340
164	23.2	3.245	200	34.6	4.486	275	17.0	6.212	365	21.5	7.606
166	28.4	3.833	202	40.2	5.032	280	25.9	8.893	370	29.1	9.772
168	36.9	4.714	204	30.8	4.092	285	15.6	5.763	375	14.7	5.468
170	40.0	5.013	206	17.3	2.523	290	23.5	8.200	380	18.3	6.626
172	30.0	4.008	208	20.8	2.957	295	25.5	8.779	385	12.3	4.662
174	37.7	4.792	210	13.5	5.067	300	17.0	6.212	390	12.3	3.730
176	50.9	5.960	215	23.4	8.171	305	26.5	9.061	394	-	-
178	48.9	5.794	220	13.5	5.067	310	7.0	2.769			
180	34.3	4.455	225	23.2	8.112	315	11.2	4.281			

1/ Starting depth of sample below surface (elevation, 8,113 feet).

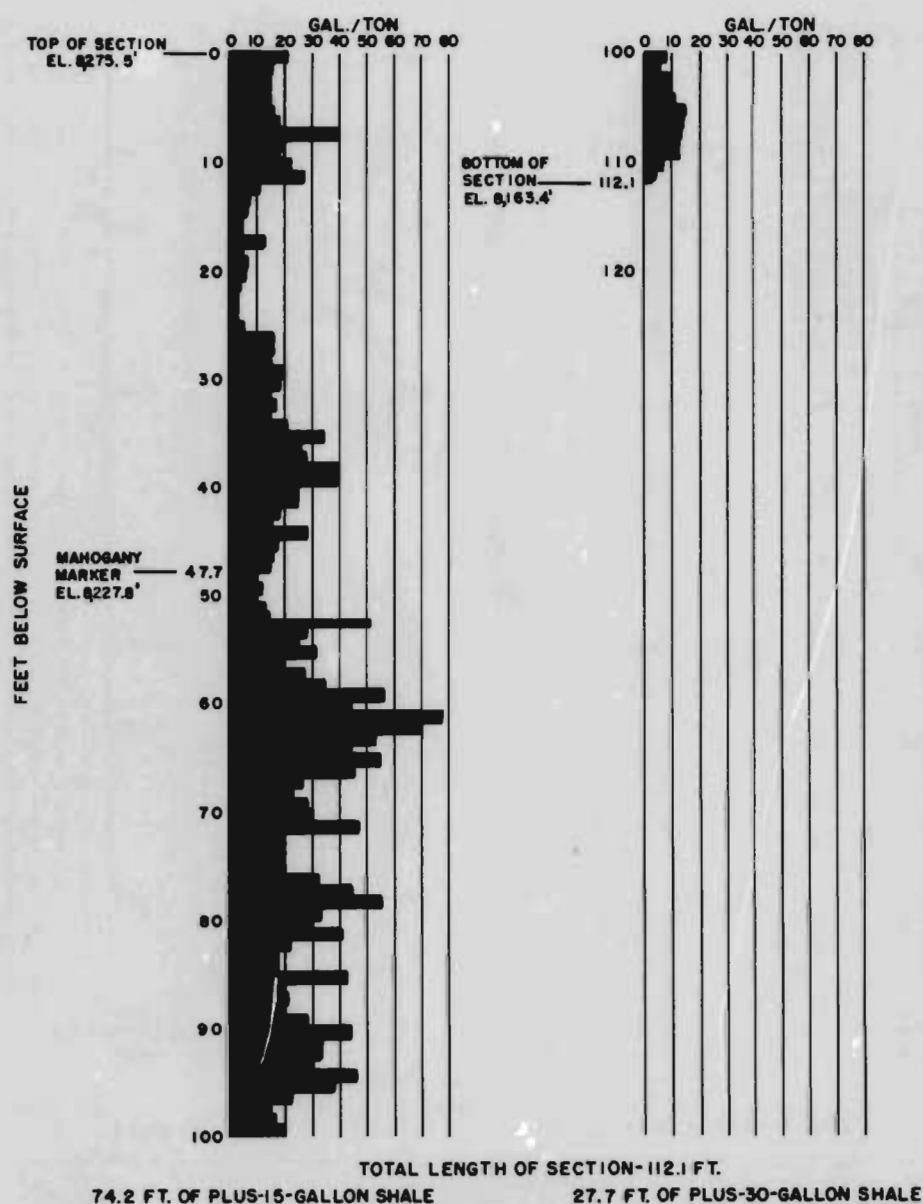
2/ Mahogany marker at depth of 158 feet (elevation, 7,955 feet).

TABLE 78. - War Eagle corehole 1, Weber Oil Co., SE1/4SW1/4SW1/4 sec. 21, T. 4 S., R. 99 W., Garfield County, Colo. (See fig. 50)

47	10.0	2.314	190	14.3	5.334	293	25.7	3.534	360	6.1	2.432
50	15.4	5.698	195	12.8	4.832	295	23.0	3.221	365	2.7	1.111
55	12.8	4.832	200	15.4	5.698	297	26.8	3.658	370	10.2	3.928
60	19.4	6.967	205	14.1	5.267	299	39.5	4.966	375	18.4	6.657
65	13.4	5.033	210	22.6	7.935	301	50.4	5.920	380	10.0	3.857
70	16.7	6.116	215	13.5	5.067	303	38.3	4.851	385	11.3	4.316
75	17.2	6.276	220	15.1	5.601	305	27.2	3.702	390	11.9	4.526
80	15.6	5.763	225	21.5	7.606	307	29.7	3.975	395	15.1	5.601
85	14.3	5.334	230	20.7	7.363	309	19.2	2.763	400	22.9	8.024
90	13.5	5.067	235	14.4	5.368	311	35.7	4.596	405	19.9	7.120
95	15.4	5.698	240	12.3	4.682	313	39.4	4.957	410	17.2	6.276
100	23.4	8.171	245	16.3	5.988	315	25.5	3.512	415	18.2	6.594
105	18.0	6.531	250	16.2	5.957	317	26.4	3.613	420	3.6	1.469
110	14.2	5.301	255	20.9	7.424	319	24.5	3.397	425	17.4	6.340
115	14.1	5.267	260	9.0	3.503	321	18.9	2.725	430	13.8	5.167
120	13.9	5.201	265	9.3	1.444	323	26.3	3.602	435	28.1	9.502
125	8.9	3.466	267	3.3	.540	325	36.5	4.675	440	22.5	7.906
130	14.4	5.368	269	5.5	.882	327	30.8	4.092	445	12.3	4.662
135	16.0	5.893	271	17.4	2.536	329	38.7	4.890	450	8.2	3.211
140	11.3	4.316	273	23.4	3.268	331	23.8	3.314	455	6.9	2.732
145	16.8	6.148	275	15.5	2.292	333	17.9	2.600	460	12.9	4.866
150	18.8	6.783	277	18.1	2.625	335	18.9	2.726	465	13.1	4.933
155	12.5	4.730	279	24.3	3.374	337	14.7	2.187	470	12.3	4.662
160	15.7	5.795	281	39.5	4.966	339	10.0	1.543	475	16.1	5.924
165	17.0	1.212	283	28.0	3.790	341	9.8	1.514	480	12.2	4.628
170	20.4	7.272	285	17.2	2.510	343	22.2	3.127	485	14.5	5.401
175	16.5	6.052	287	20.7	2.945	345	18.1	6.563	490	21.7	3.067
180	13.5	5.067	289	13.7	2.053	350	20.3	7.241	492	-	-
185	16.8	6.148	291 2/	11.2	1.712	355	10.8	4.140			

1/ Starting depth of sample below surface (elevation, 8,248 feet).

2/ Mahogany marker at depth of 290 feet (elevation, 7,958 feet).

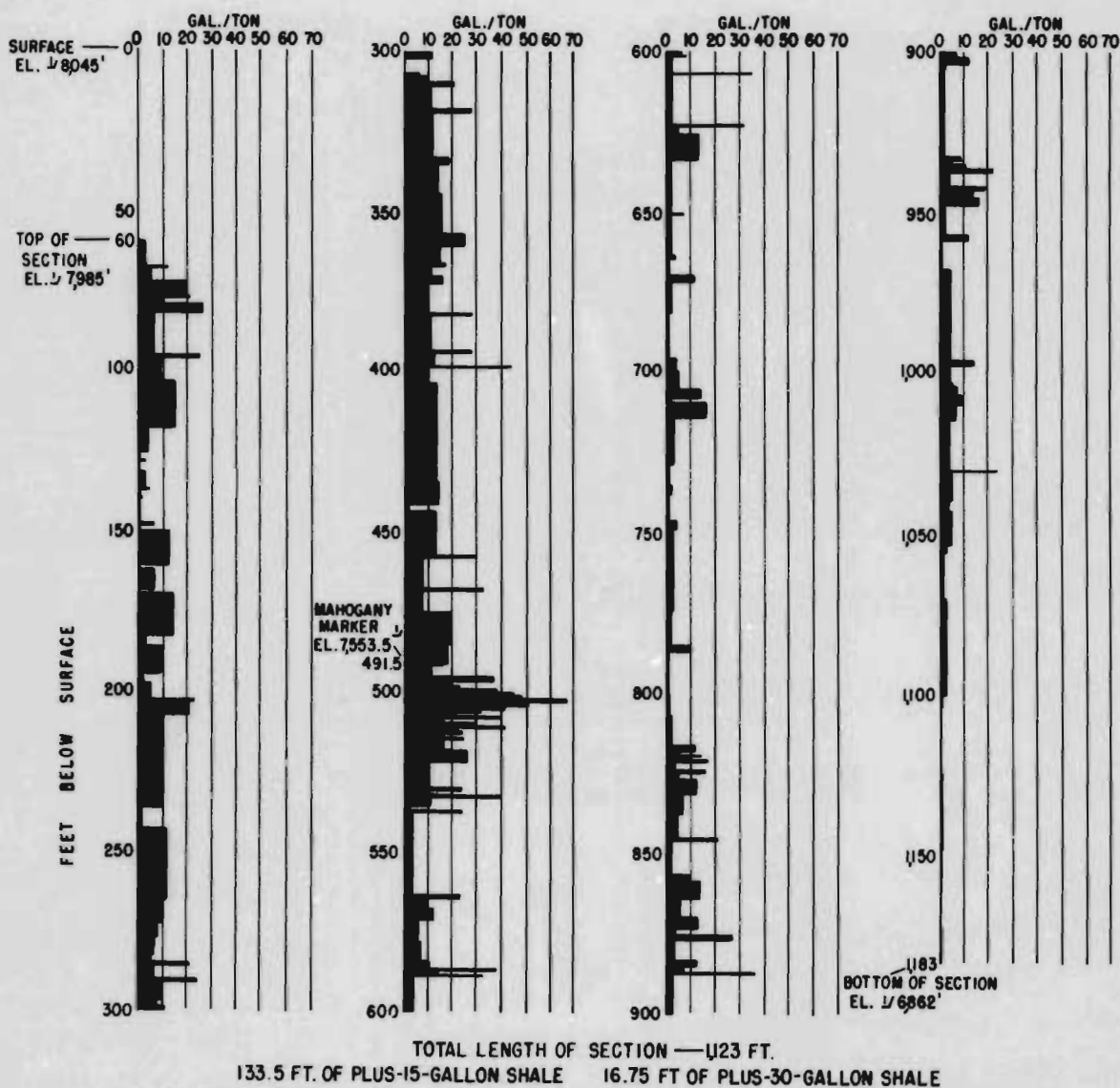


SELECTED SECTIONS						
LENGTH	FROM -	TO -	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
52.0 FT.	48.7 FT.	100.7 FT.	30.10	98,790,000	69,370,000	2,084
84.0	25.7	109.7	25.16	161,600,000	96,810,000	1,801
112.1	0	112.1	21.44	221,300,000	113,000,000	1,575

CORE SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation at Bureau of Mines oil-shale mine (900 ft. E. and 1,360 ft. N. of SW. corner sec. 12, T. 6 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 3. - Corehole D-5, Bureau of Mines, Garfield County, Colo. (see table 7).



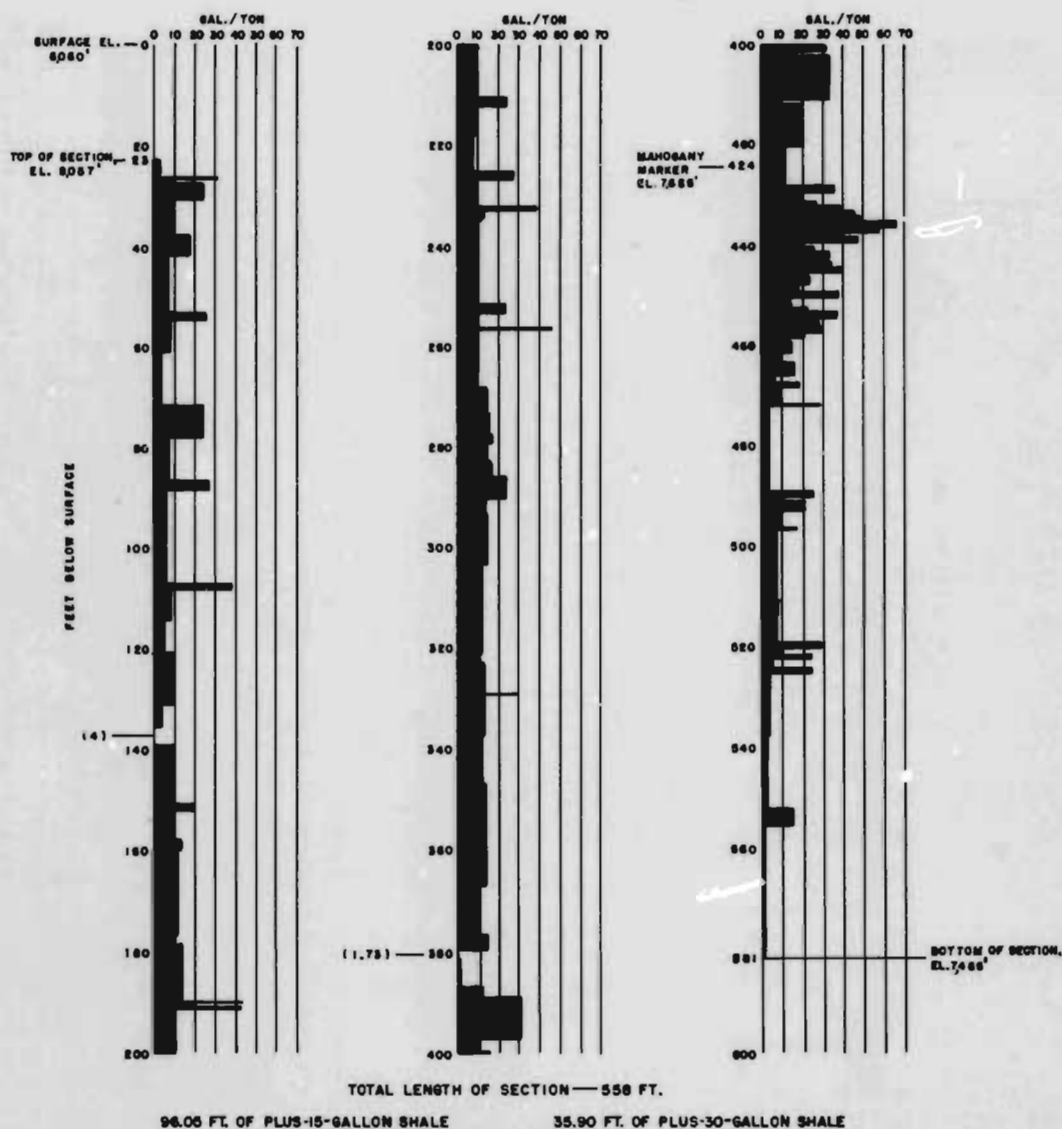
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
27.1 FT.	499.3	522.4	29.82	50,540,000	35,880,000	2,069
47.4	475.0	522.4	24.50	91,610,000	53,440,000	1,762
231.4	306.5	537.9	19.18	478,200,000	172,800,000	1,167

1/ APPROXIMATE

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation of Roan plateau (115 ft. N SL, 2,350 ft. WE L of sec. 1, T. 7 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 4. - Corehole 1, Continental Oil Co., Garfield County, Colo. (see table 18).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
29.2 FT.	427.8 FT.	457.0 FT.	30.14	54,340,000	39,000,000	2,087
71.8	389.0	460.8	25.04	138,300,000	82,450,000	1,794
301.2	189.6	460.8	14.90	623,800,000	221,300,000	1,148

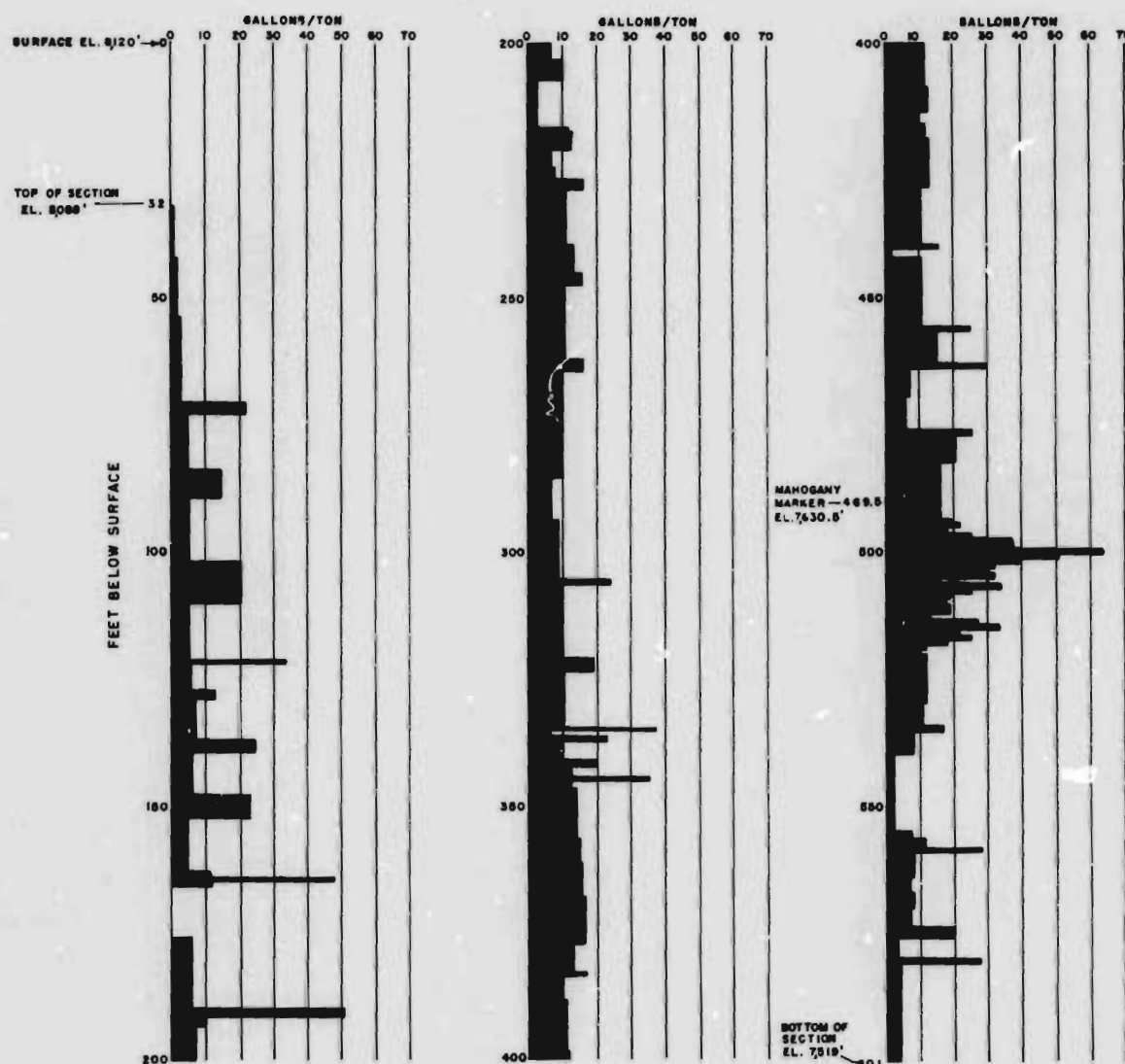
1.7 FT. NOT SAMPLED

() INDICATES FEET OF SAMPLES MISSING

CORE DRILLED IN 1982

Oil yields of oil-shale beds in Green River formation near Kimball Creek (850 ft. S. of township line, on section line between secs. 3 and 4, T. 7 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 5. - Corehole 2, Continental Oil Co., Garfield County, Colo. (see table 19).



TOTAL LENGTH OF SECTION — 569 FT.
 112.75 FT. OF PLUS-15-GALLON SHALE 11.6 FT. OF PLUS-30-GALLON SHALE

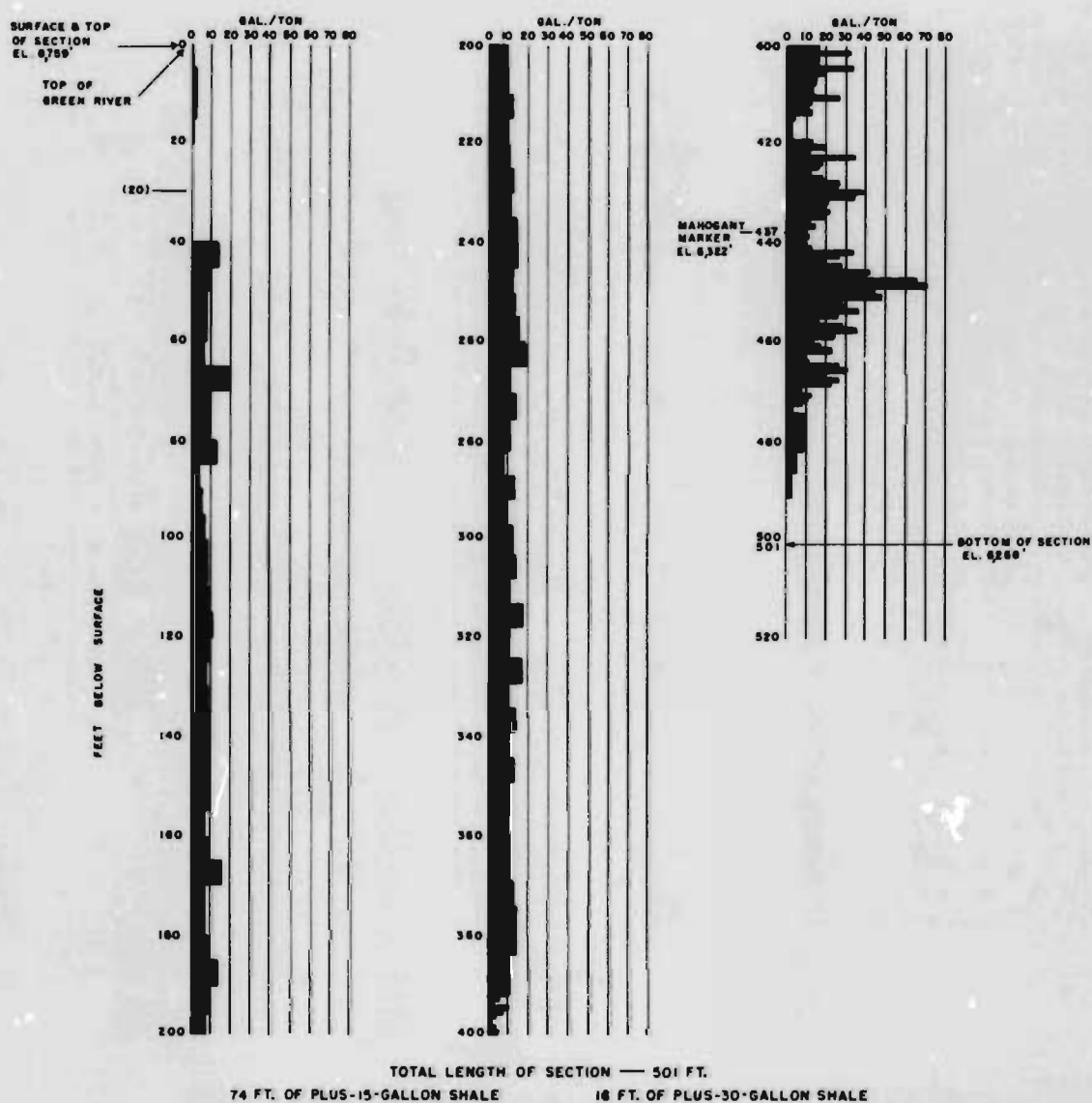
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL OIL/SQ. MILE	BBL OIL/ACRE-FOOT
16 FT.	493.5 FT.	509.5 FT.	29.74	29,850,000	21,140,000	2,064
26.5	493.5	520.0	25.72	50,790,000	31,100,000	1,834
177.6	342.4	520.0	14.99	367,600,000	131,200,000	1,154

() INDICATES FEET OF SAMPLES MISSING

CORES DRILLED IN 1982

Oil yields of oil-shale beds in Green River formation near Roan Creek (290 ft. N. of S. line, 520 ft. W. of E. line, sec. 36, T. 6 S., R. 100 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 6. - Whatley corehole 3, Continental Oil Co., Garfield County, Colo. (see table 20).



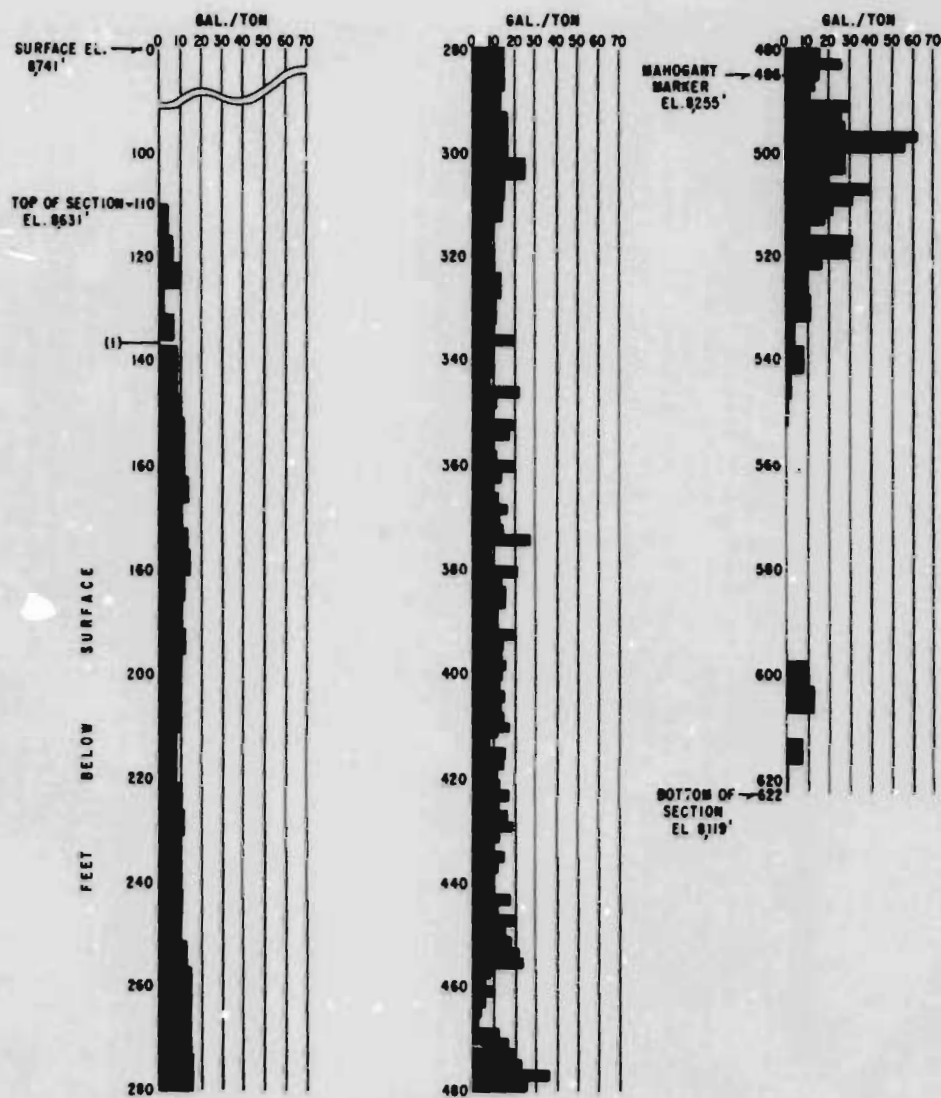
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
73 FT.	441 FT.	464 FT.	29.83	42,890,000	30,460,000	2,059
44	422	466	24.97	84,770,000	50,400,000	1,790
234	235	469	14.96	484,400,000	172,400,000	1,151

() INDICATES FEET OF SAMPLES MISSING

CORES DRILLED IN 1962

Oil yields of oil-shale beds in Green River formation of Battlement Mesa (NW¼SE¼SW¼ sec. 10, T. 8 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 7. - Corehole 1A, Gulf Oil Corp., Garfield County, Colo. (see table 21).



TOTAL LENGTH OF SECTION — 512 FT.
100 FT. OF PLUS-15-GALLON SHALE 16 FT. OF PLUS-30-GALLON SHALE

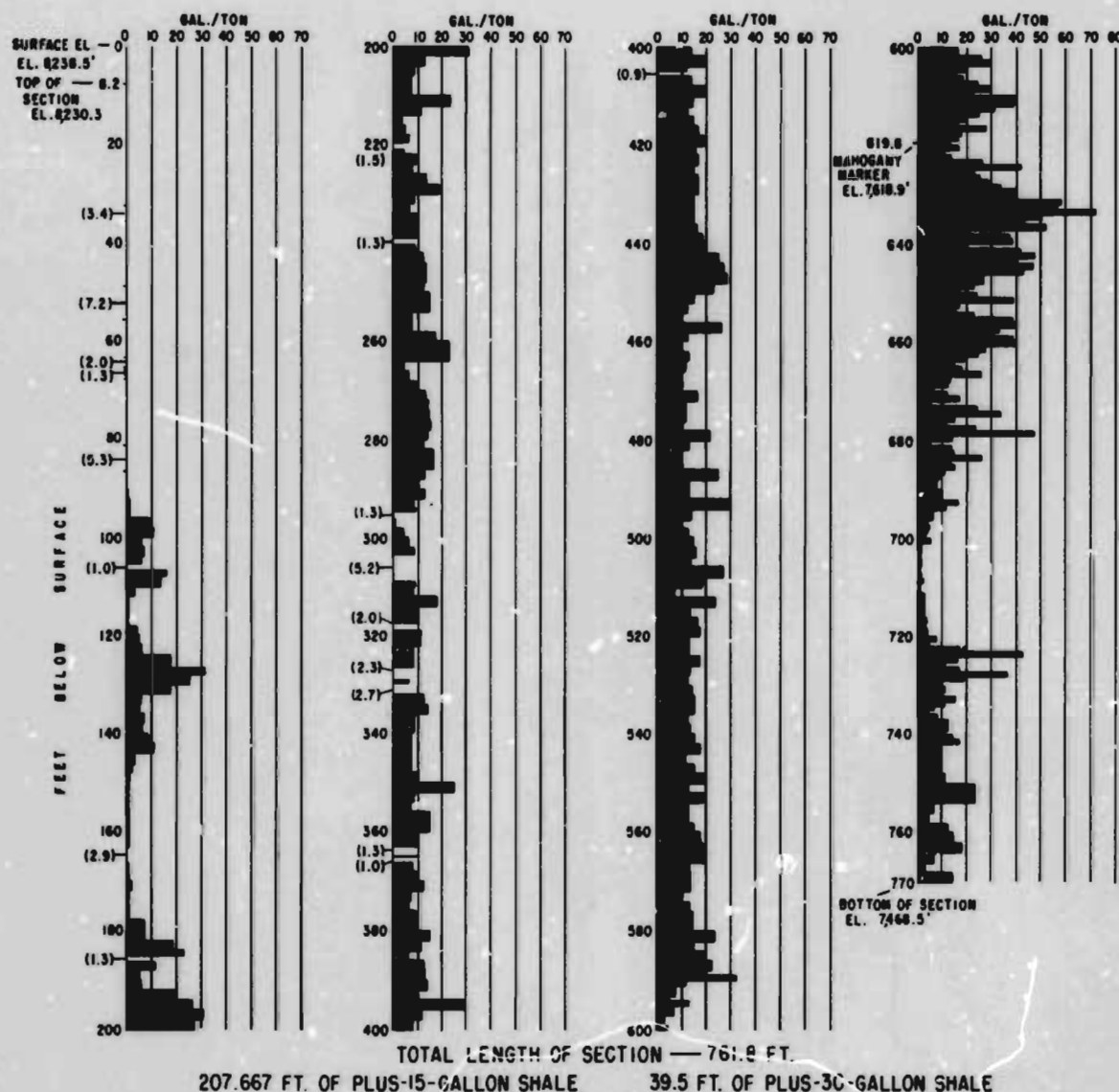
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BOIL. OIL/SQ. MILE	BOIL. OIL/ACRE-FOOT
30 FT.	490 FT.	520 FT.	30.02	95,870,000	39,930,000	2,080
52	470	522	29.20	100,000,000	60,000,000	1,803
206	246	532	18.08	591,500,000	212,400,000	1,160

CORE SAMPLES DRILLED IN 1952

(1) INDICATES FEET OF SAMPLES MISSING

Oil yields of oil-shale beds in Green River formation southeast of Grand Valley, Colo. (NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 7 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 8. - Corehole 2, Gulf Oil Corp., Garfield County, Colo. (see table 22).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
56 FT.	607 FT.	663 FT.	30.17	104,200,000	74,880,000	2,088
88	600	688	25.04	165,500,000	101,100,000	1,795
1/ 506	182	688	15.03	1,047,000,000	374,700,000	1,157

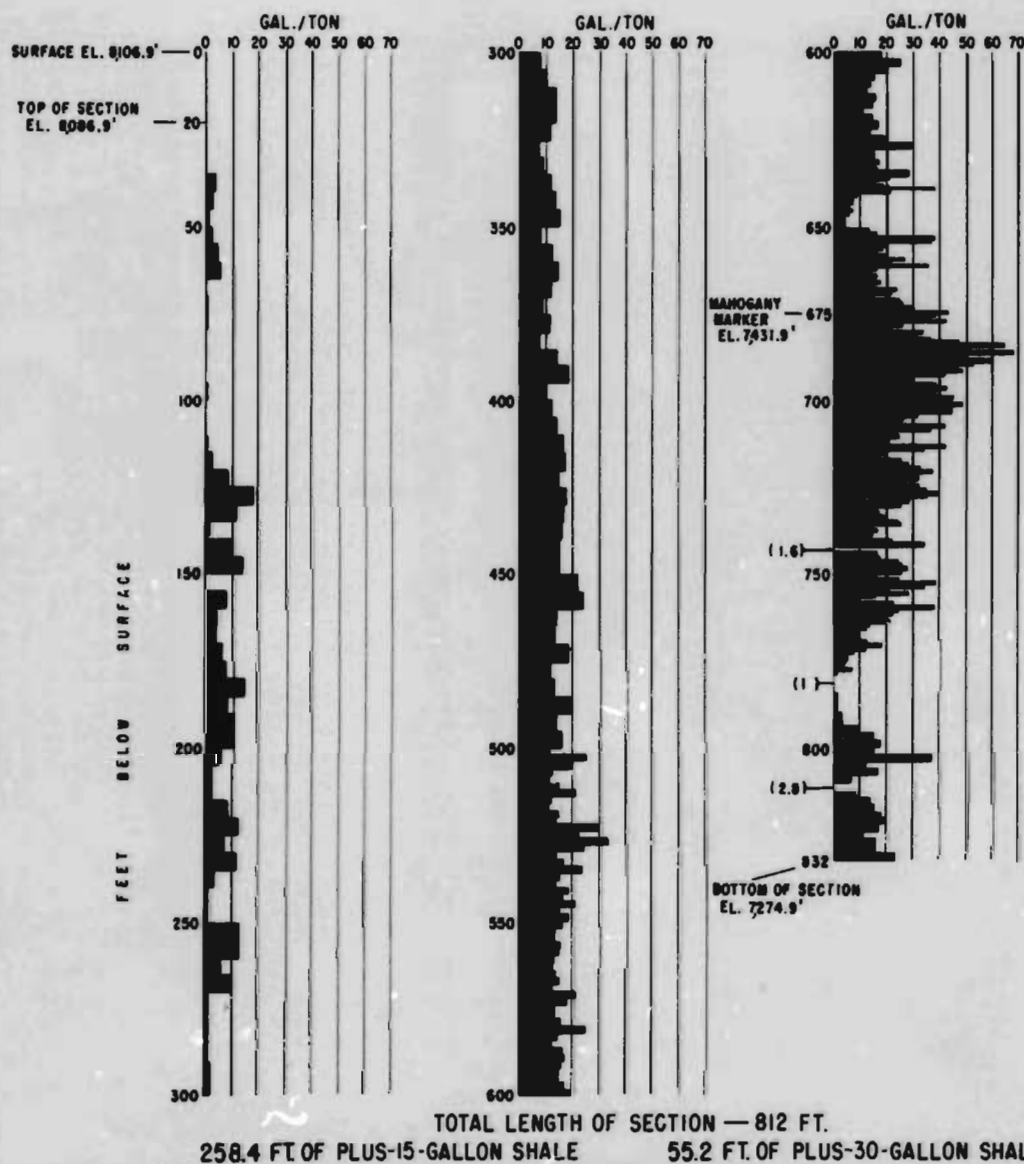
1/ 21.4 FT. NOT SAMPLED

CORES DRILLED IN 1954

() INDICATES FEET OF SAMPLE MISSING

Oil yields of oil-shale beds in Green River formation near East Fork of Baker Gulch (652.81 ft. W. and 51.66 ft. S. of NW corner, sec. 34, T. 6 S., R. 97 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 9. - Allen corehole 1, Pacific Oil Co., Garfield County, Colo. (see table 23).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
88 FT.	651 FT.	739 FT.	29.95	164,000,000	116,900,000	2,078
1/ 143	622	765	25.00	275,400,000	183,900,000	1,791
2/ 612	220	832	14.99	1,267,000,000	452,200,000	1,158

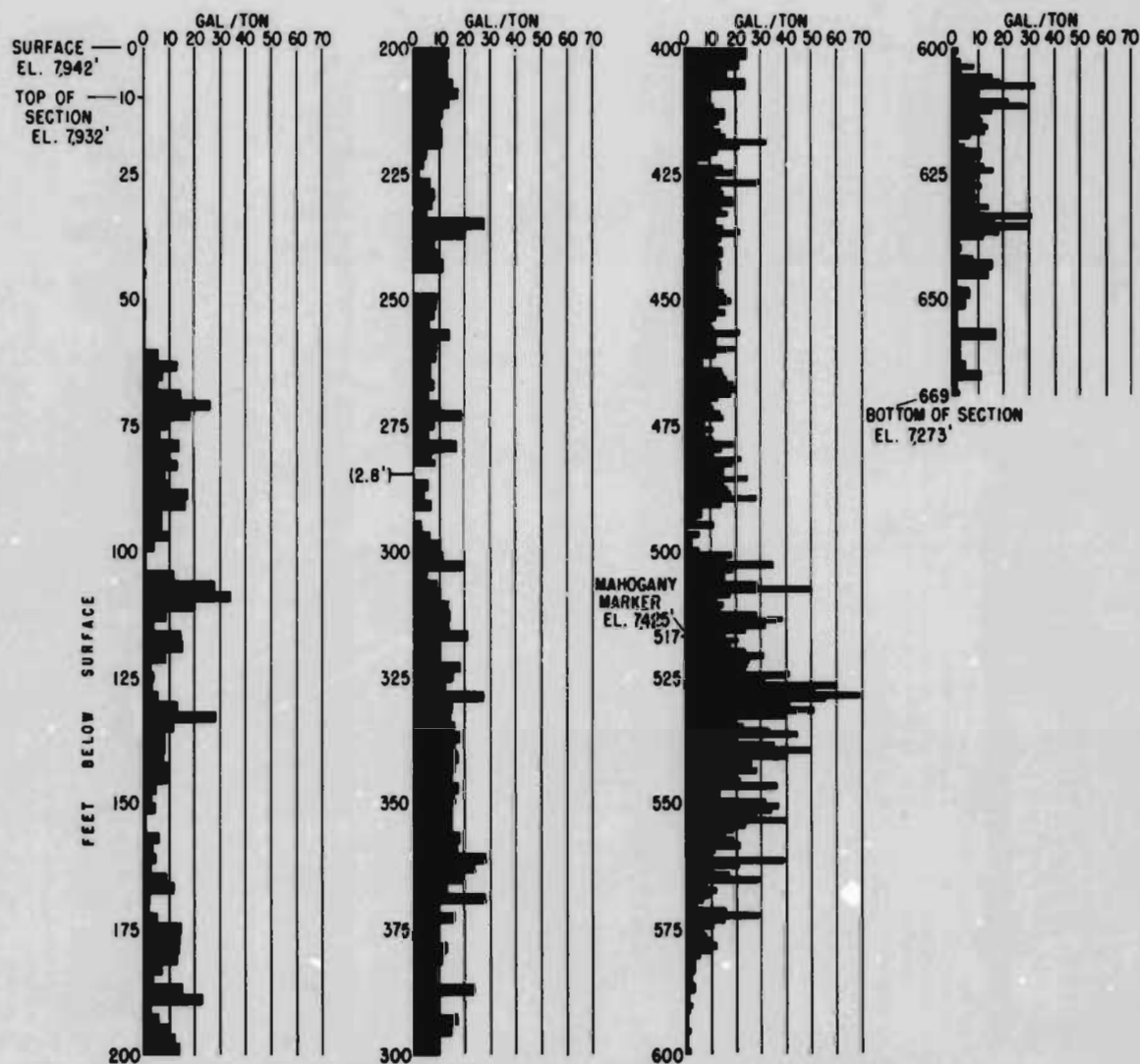
1/ 1.6 FT. NOT SAMPLED
 2/ 5.4 FT. NOT SAMPLED

CORE SAMPLES DRILLED IN 1954

() INDICATES FEET OF SAMPLES MISSING

Oil yields of oil-shale beds in Green River formation on west side of Parachute Creek (2,195.97 ft. E. and 3,501.81 ft. S. of NW. corner sec. 5, T. 6 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 10. - Dragert corehole 1, Pacific Oil Co., Garfield County, Colo. (see table 24).



TOTAL LENGTH OF SECTION — 659 FT.
188 FT. OF PLUS-15-GALLON SHALE 25 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL./TON	TONS SHALE/SQ. MILE	88L. OIL/SQ. MILE	88L. OIL/ACRE-FOOT
42 FT.	512 FT.	554 FT.	30.15	78,150,000	54,100,000	2,087
68	500	568	25.24	130,800,000	78,600,000	1,806
312	268	580	15.06	645,300,000	231,400,000	1,159

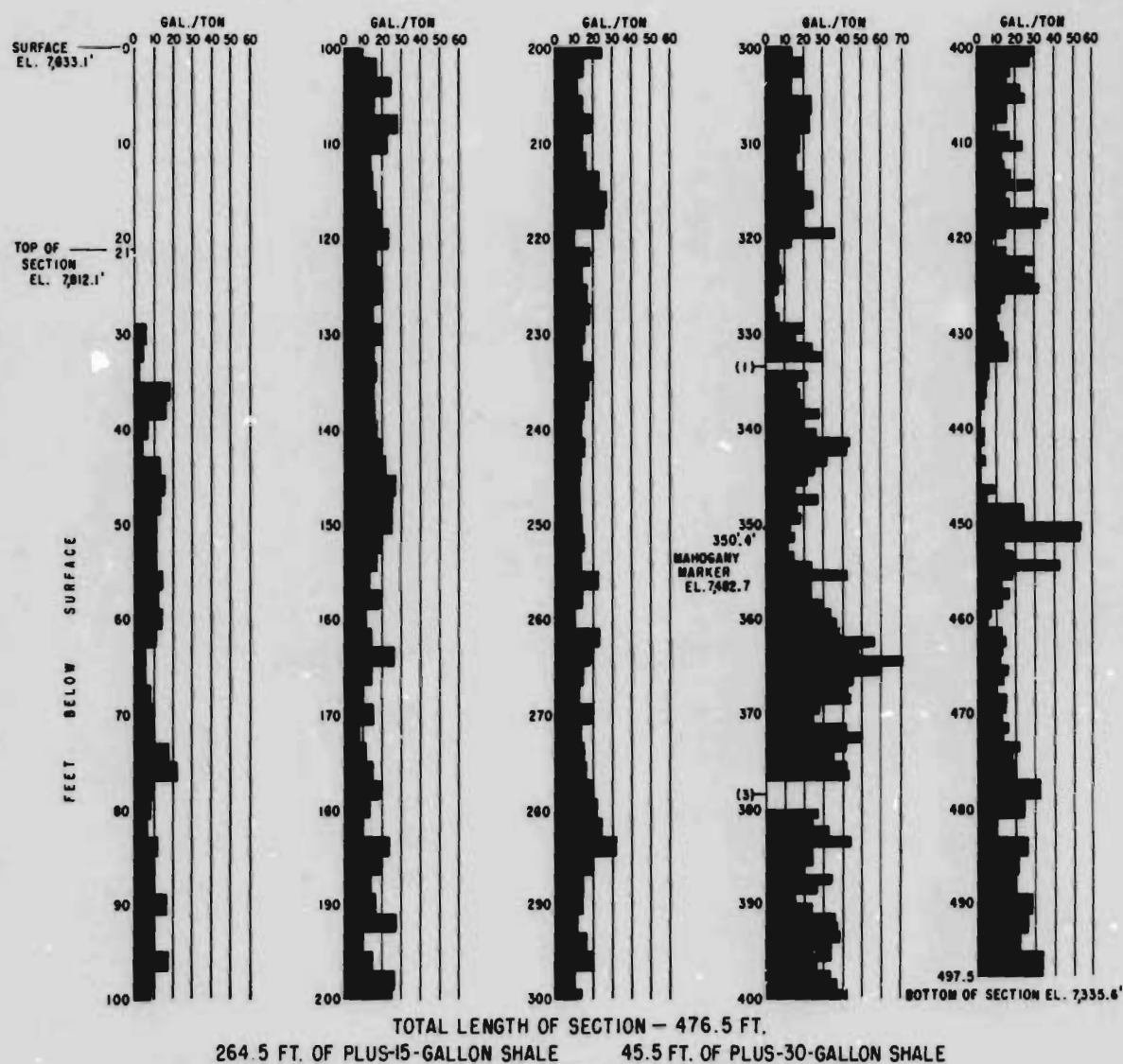
2.8 FT. NOT SAMPLED

CORE SAMPLES DRILLED IN 1954

() INDICATES FEET OF SAMPLES MISSING

Oil yields of oil-shale beds in Green River formation near Chimney Rock (4,089.69 ft. E. and 193.77 ft. S. of NW. corner sec. 2, T. 7 S., R. 98 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 11. - Hardison corehole 1, Pacific Oil Co., Garfield County, Colo. (see table 25).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BSL. OIL/SQ. MILE	BSL. OIL/ACRE-FOOT
I/ 71 FT.	331 FT.	402 FT.	30.04	132,200,000	94,550,000	2,081
I/ III	315	426	25.04	213,700,000	127,400,000	1,793
I/ 468.5	29	497.5	17.90	951,400,000	396,400,000	1,322

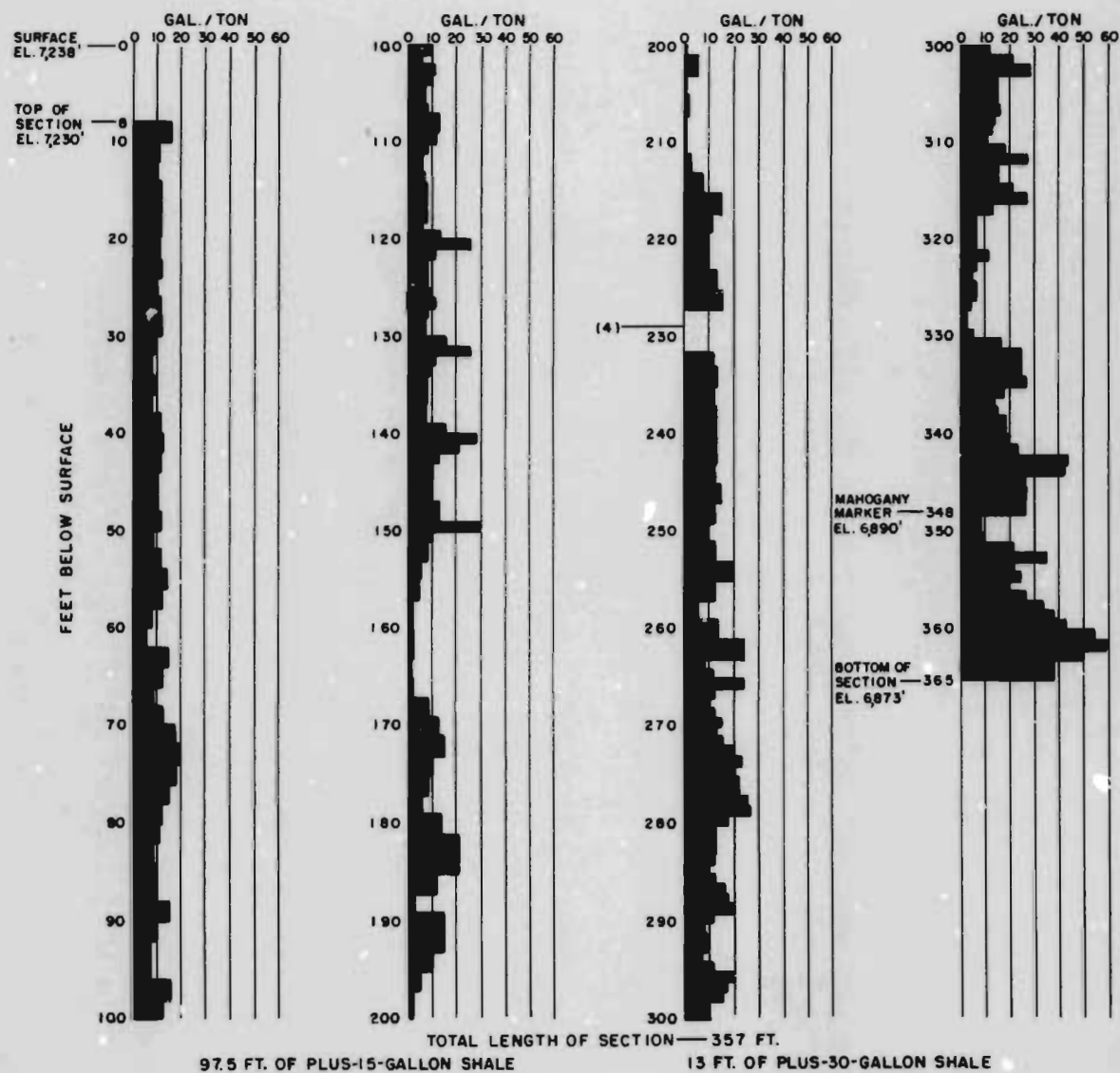
I/ 4 FEET NOT SAMPLED

CORE SAMPLES DRILLED IN 1954

() INDICATES FEET OF SAMPLES MISSING

Oil yields of oil-shale beds in Green River formation near Camp Gulch (669.07 ft. E. and 328.93 ft. S. of NW. corner sec. 12, T. 5 S., R. 98 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 12. - Wheeler corehole 1, Pacific Oil Co., Garfield County, Colo. (see table 32).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
23 FT.	342 FT.	365 FT.	30.12	42,810,000	30,700,000	2,086
37	328	365	25.23	71,160,000	42,750,000	1,805
162	203	365	15.06	335,000,000	120,300,000	1,160

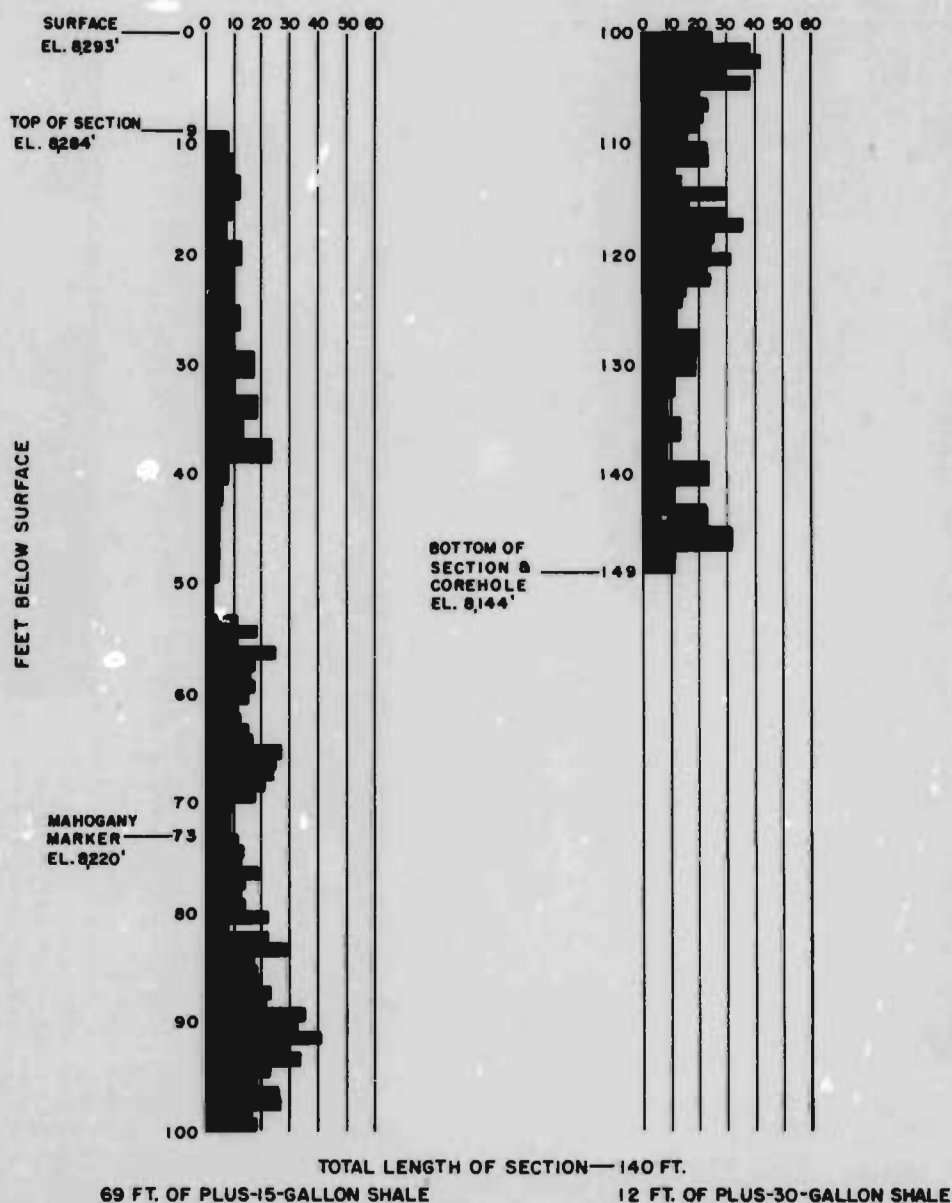
↓ 4 FT. NOT SAMPLED

() INDICATES FEET OF SAMPLES MISSING

CORE SAMPLES DRILLED IN 1953 & 1955

Oil yields of oil-shale beds in Green River formation near head of Box Elder Creek (SW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 18, T. 2 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 13. - Jann corehole, Tell Ertl, Rio Blanco County, Colo. (see table 37).

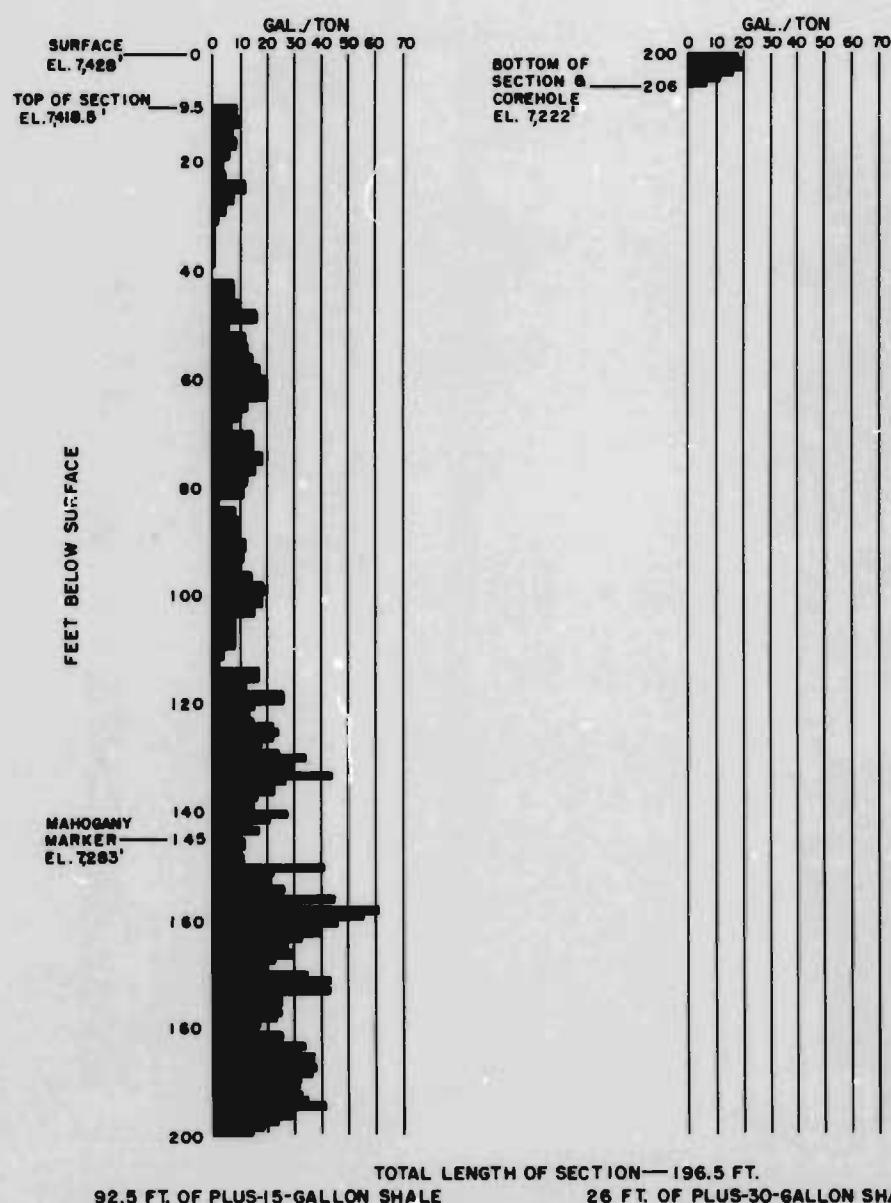


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL / TON	TONS SHALE / SQ. MILE	BBL. OIL / SQ. MILE	BBL. OIL / ACRE-FOOT
16 FT.	89 FT.	105 FT.	29.05	29,990,000	20,740,000	2,025
36	85	121	24.99	69,340,000	41,260,000	1,791
140	9	149	16.09	287,200,000	110,000,000	1,228

CORES SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation near head of Big Duck Creek (SW 1/4 sec. 33, T. 1 S., R. 100 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 14. - Matt corehole, Tell Ertl, Rio Blanco County, Colo. (see table 38).

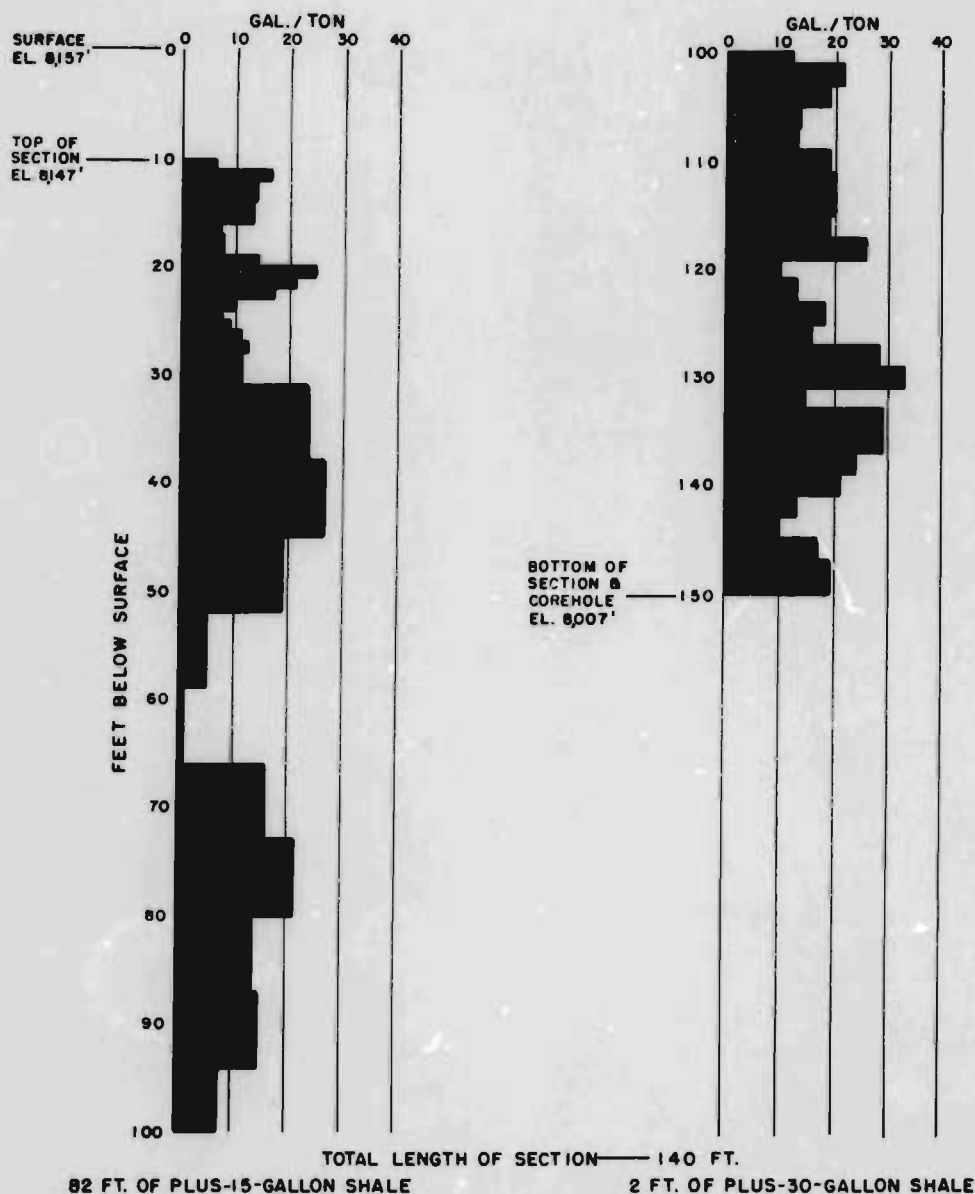


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	88L. OIL/SQ. MILE	88L. OIL/ACRE-FOOT
49 FT.	150 FT.	199 FT.	29.97	91,290,000	65,140,000	2,077
85.5	117.5	203	24.99	164,700,000	98,000,000	1,791
196.5	9.5	206	16.12	403,100,000	154,700,000	1,230

CORE SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation near South Fork of Duck Creek (NE¼SE¼ sec. 25, T. 1 S., R. 100 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 15. - Phil corehole, Tell Ertl, Rio Blanco County, Colo. (see table 39).



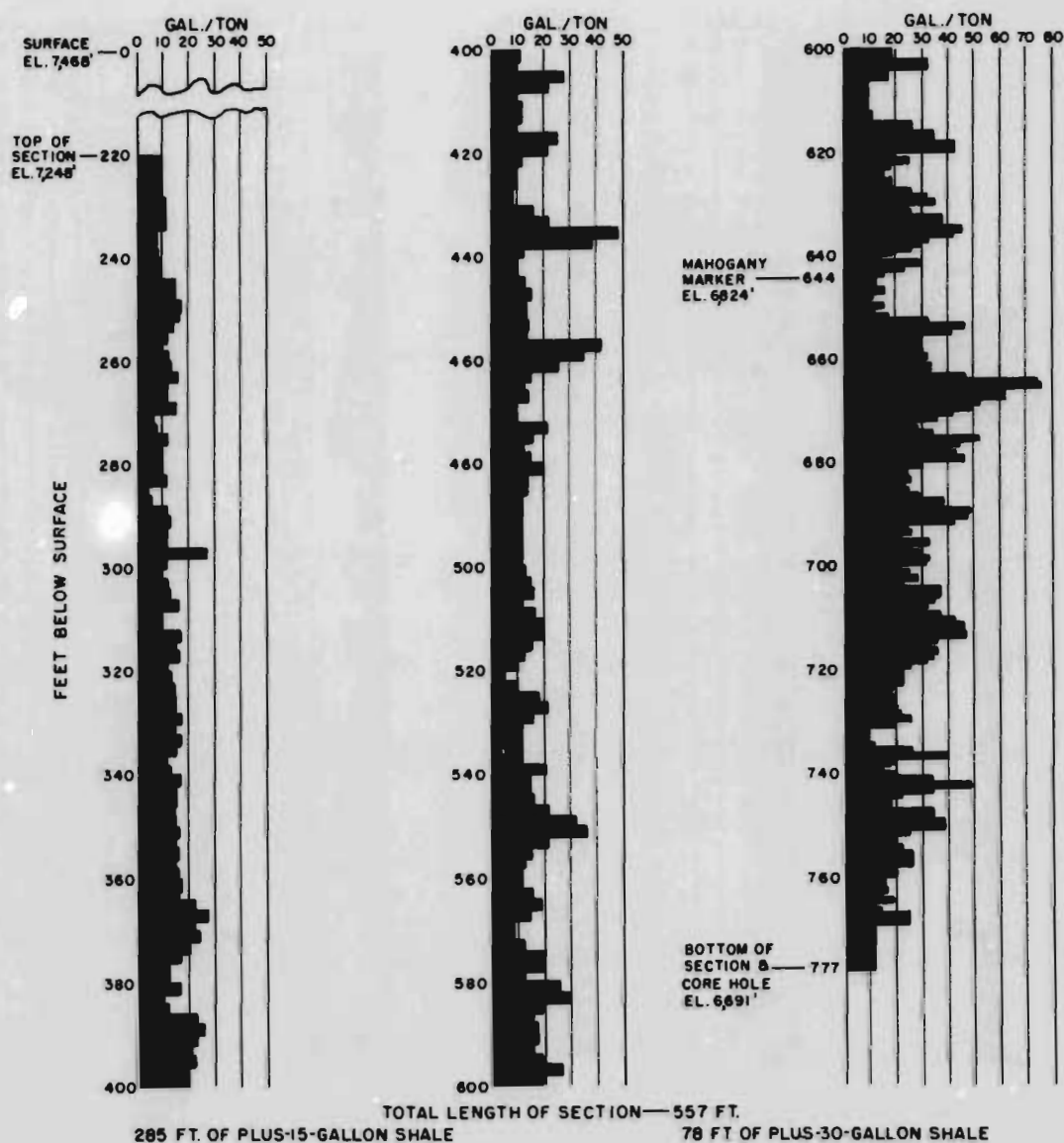
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BSL. OIL/SQ. MILE	BSL. OIL/ACRE-FOOT
4 FT.	127 FT.	131 FT.	30.45	7,427,000	5,385,000	2,103
16	125	141	25.25	30,770,000	18,500,000	1,807
140	10	150	15.85	287,800,000	108,600,000	1,212

CORE SAMPLES DRILLED IN 1953

NOTE—MAHOGANY MARKER NOT IDENTIFIED
POSSIBLY DUE TO POOR CORE RECOVERY
FOR DEPTHS OF 31 TO 101 FEET.

Oil yields of oil-shale beds in Green River formation near Cathedral Bluffs (SW¼NW¼ sec. 21, T. 1 S., R. 100 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 16. - Ray corehole, Tell Ertl, Rio Blanco County, Colo. (see table 40).

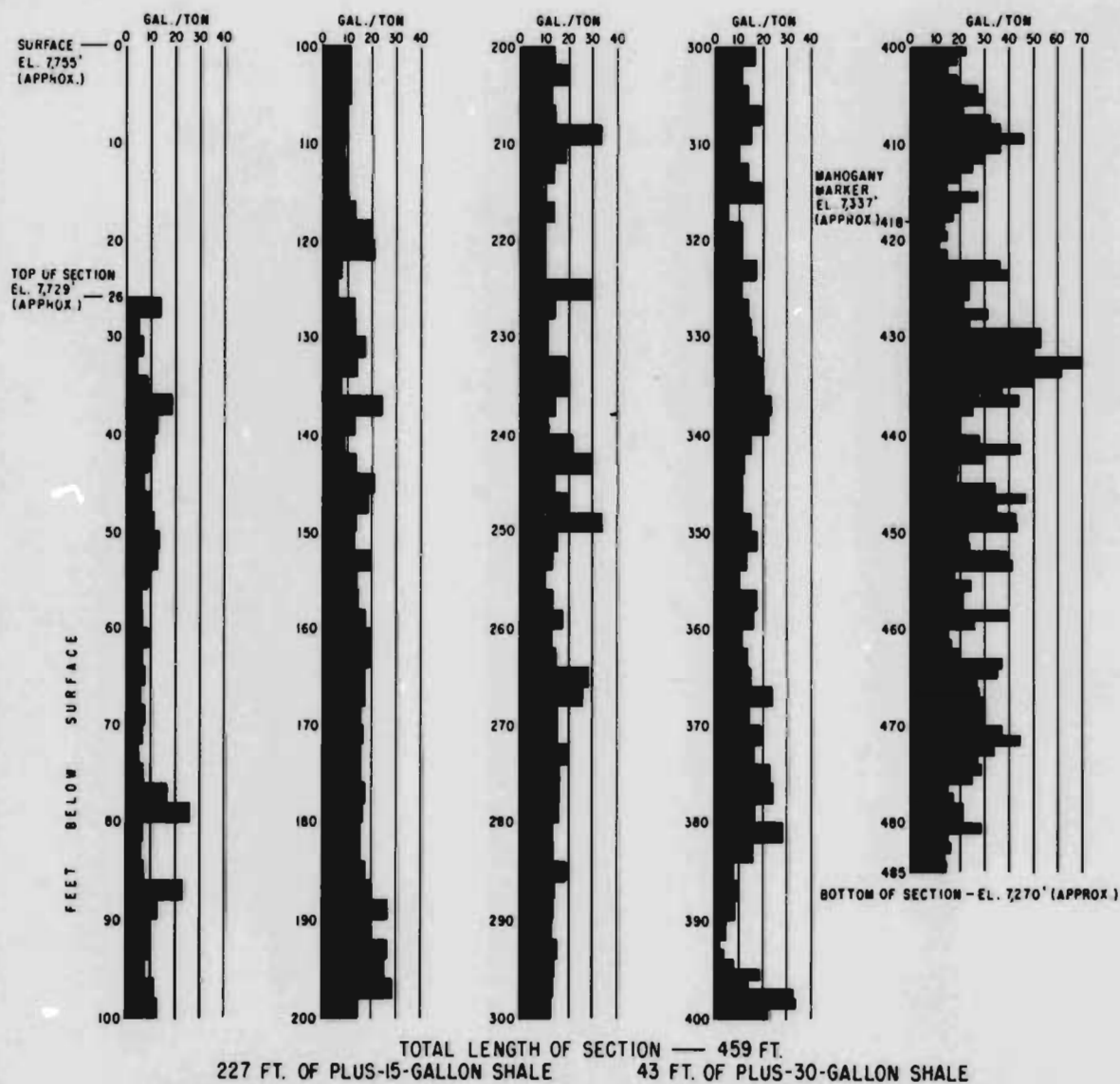


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL / TON	TONS SHALE / SQ. MILE	BBL. OIL / SQ. MILE	BBL. OIL / ACRE-FOOT
114 FT.	612 FT.	726 FT.	29.94	212,400,000	151,400,000	2,075
201	568	769	25.04	387,000,000	230,700,000	1,793
557	220	777	17.99	1,128,000,000	482,300,000	1,353

CORE SAMPLES DRILLED IN 1954

Oil yields of oil-shale beds in Green River formation near East Fork of Story Gulch (C. N $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, sec. 21, T.4 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 17. - Betty corehole, Union Oil Co. of California, Garfield County, Colo. (see table 42).

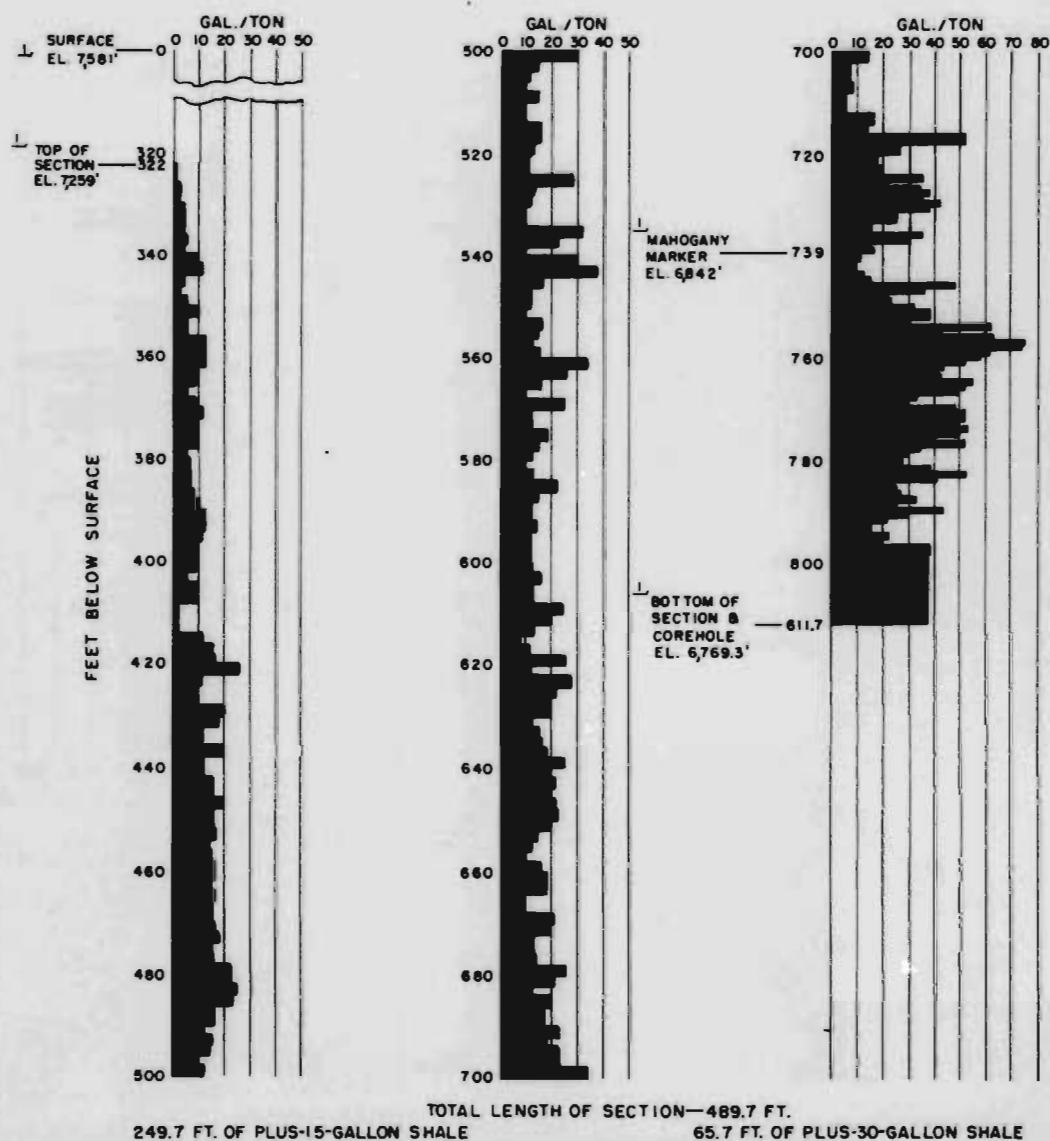


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
72 FT.	403 FT.	475 FT.	29.95	134,200,000	95,700,000	2,077
111	370	481	25.04	213,700,000	127,400,000	1,793
459	26	485	16.62	938,100,000	371,200,000	1,264

CORES DRILLED IN 1954

Oil yields of oil-shale beds in Green River formation near West Fork of Parachute Creek (NW¼NW¼NW¼ sec. 7, T. 5 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 18. - Blackbird corehole, Union Oil Co. of California, Garfield County, Colo. (see table 43).



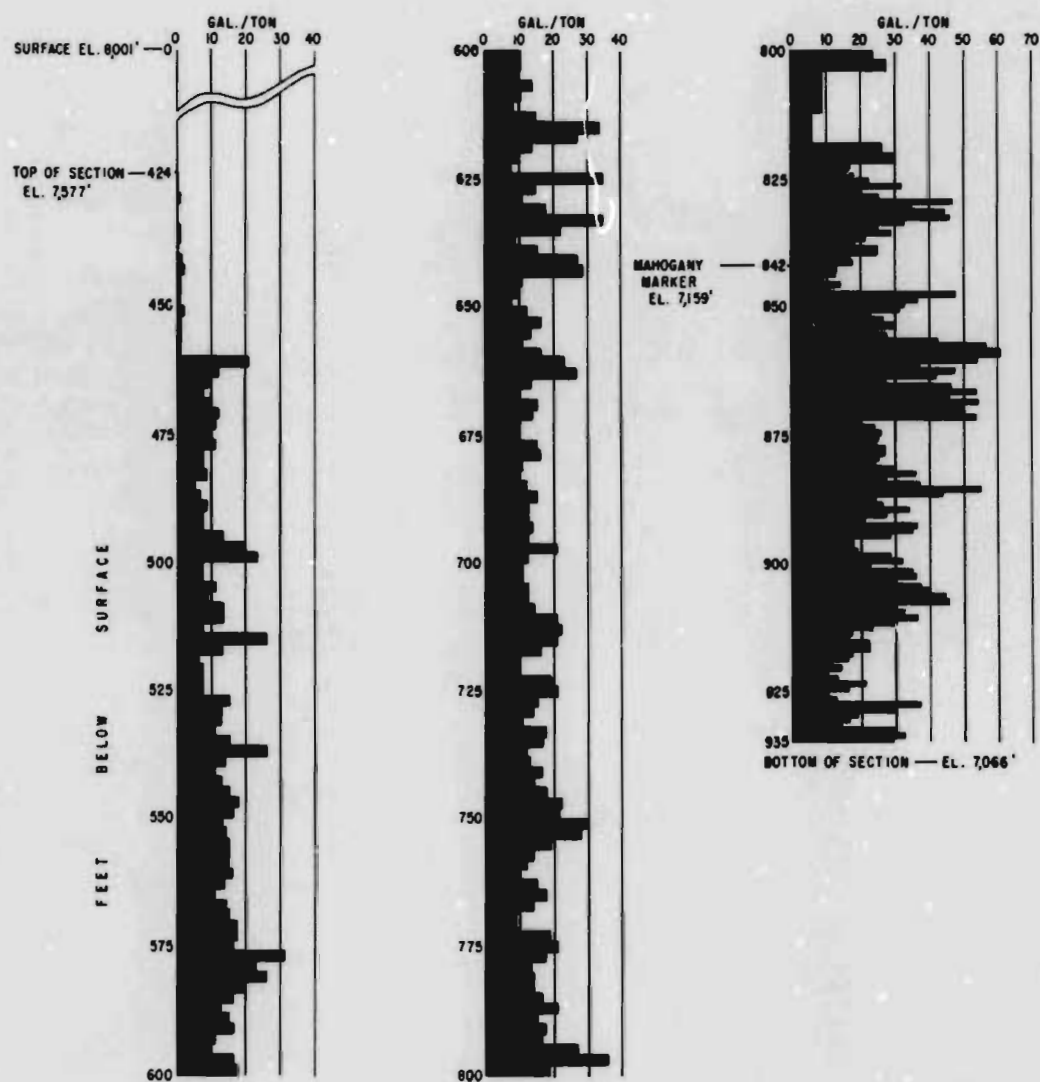
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL./TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
107.7 FT.	704 FT.	611.7 FT.	30.40	200,100,000	144,800,000	2,101
177.7	634	611.7	25.11	342,000,000	204,500,000	1,798
489.7	322	611.7	17.20	996,700,000	408,200,000	1,302

APPROXIMATE

CORE SAMPLES DRILLED IN 1954

Oil yields of oil-shale beds in Green River formation near East Fork of Stewart Gulch (NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 4 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 19. - Buff corehole, Union Oil Co. of California, Garfield County, Colo. (see table 44).



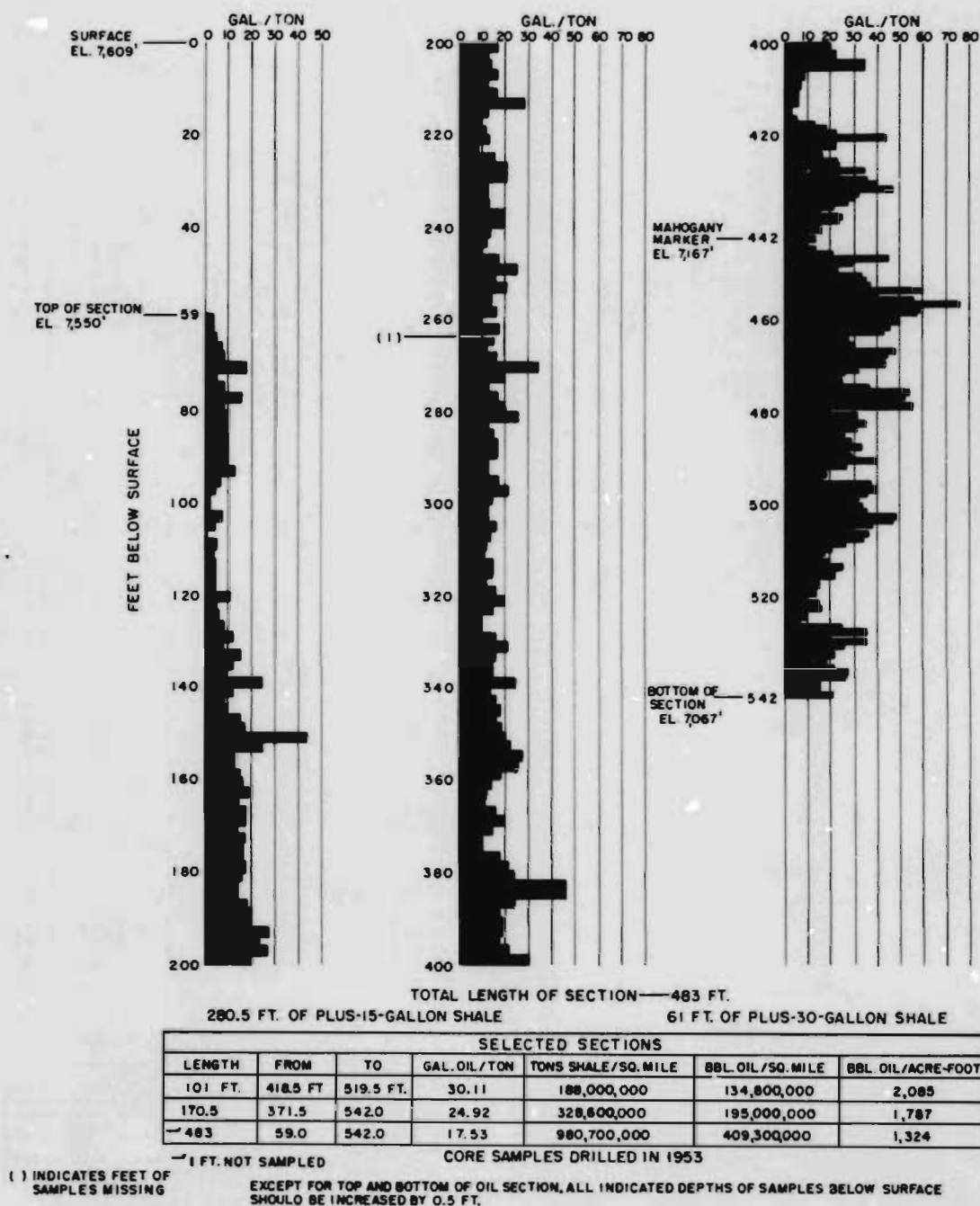
TOTAL LENGTH OF SECTION — 511 FT.
 249 FT. OF PLUS-15-GALLON SHALE 55 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
100 FT.	818 FT.	918 FT.	29.98	186,300,000	133,000,000	2,078
153	782	935	25.08	294,300,000	175,700,000	1,794
511	424	935	16.34	1,047,000,000	407,300,000	1,245

CORES DRILLED IN 1954

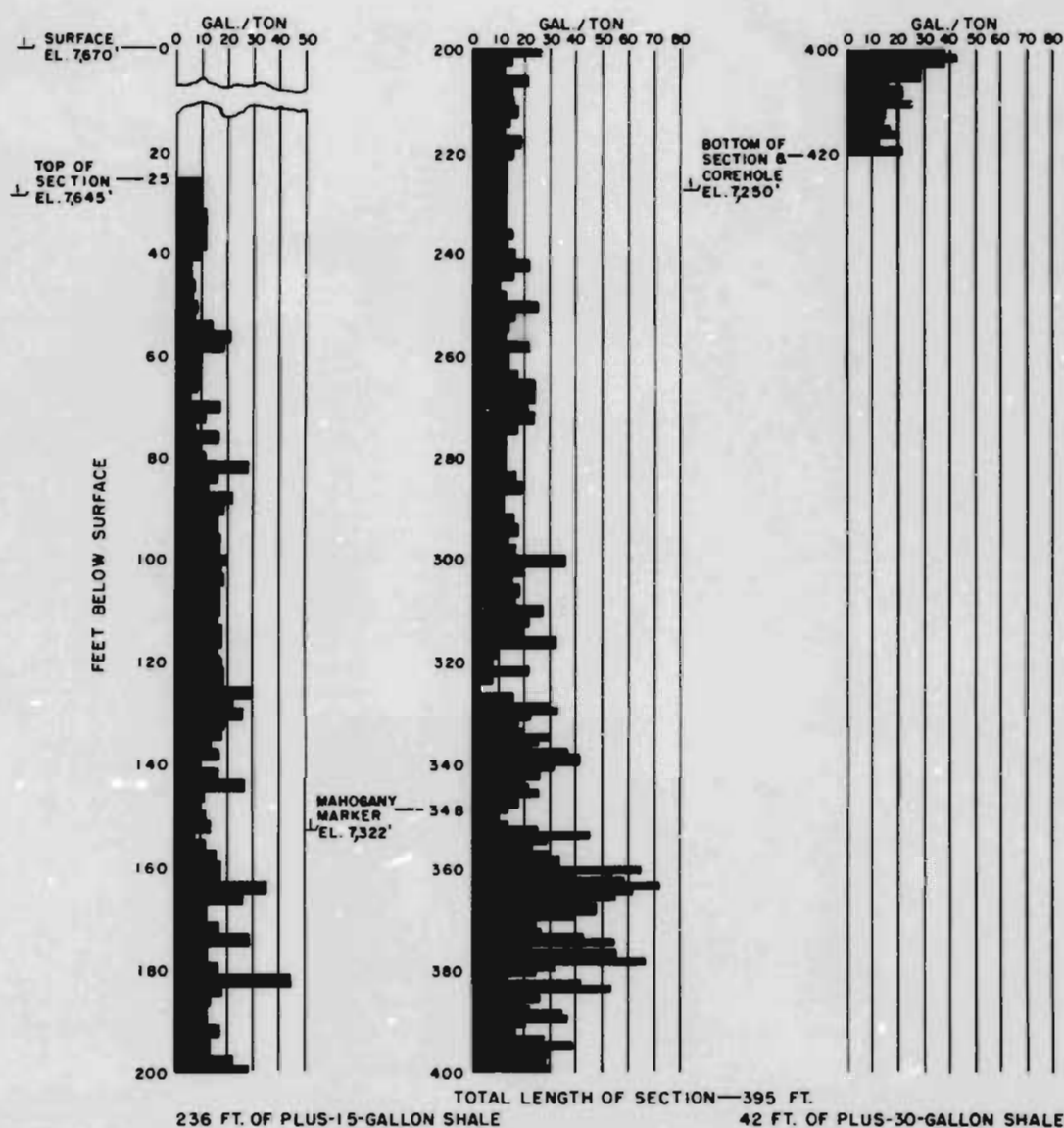
Oil yields of oil-shale beds in Green River formation near East Fork of Story Gulch (NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 27, T. 4 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 20. - Edna corehole, Union Oil Co. of California, Garfield County, Colo. (see table 45).



Oil yields of oil-shale beds in Green River formation near middle Fork of Parachute Creek (SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 4 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 21. - Florence corehole, Union Oil Co. of California, Garfield County, Colo. (see table 46).



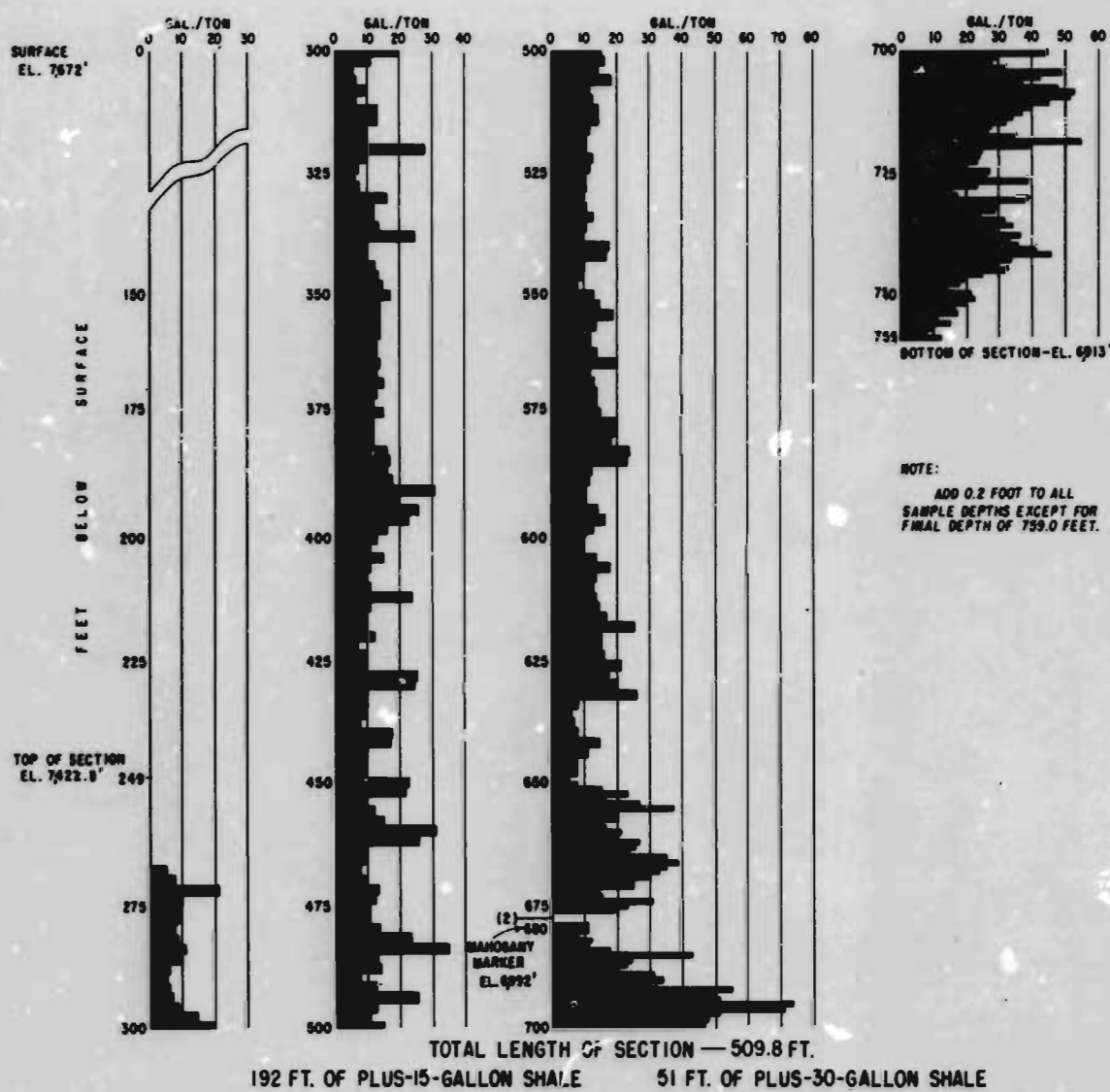
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL / TON	TONS SHALE / SQ. MILE	BBL. OIL / SQ. MILE	BBL. OIL / ACRE-FOOT
81 FT.	328 FT.	409 FT.	30.09	150,800,000	108,000,000	2,083
125	295	420	25.03	240,700,000	143,400,000	1,792
395	25	420	18.08	798,800,000	343,900,000	1,360

⊥ APPROXIMATE

CORE SAMPLES DRILLED IN 1954

Oil yields of oil-shale beds in Green River formation near West Fork of Parachute Creek (SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 5 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 22. - French corehole, Union Oil Co. of California, Garfield County, Colo.
(see table 47).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL./TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
1/ 57 FT.	684.2 FT.	761.2 FT.	30.06	180,800,000	129,300,000	2,083
1/ 133	621.2	754.2	25.06	258,100,000	152,700,000	1,794
1/ 491.8	287.2	759.0	16.22	1,008,000,000	389,300,000	1,237

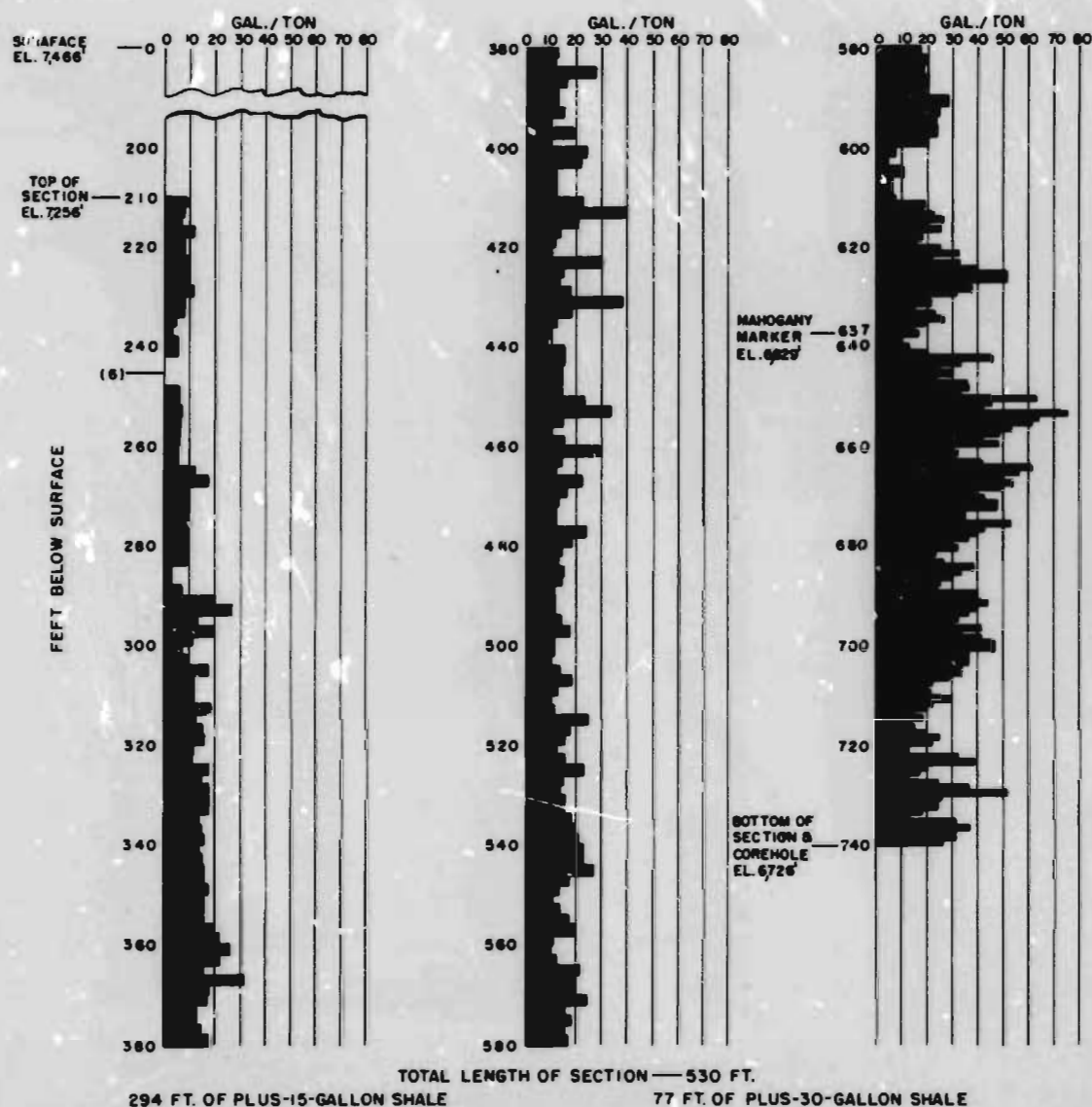
1/ 2 FT. NOT SAMPLED

CORES DRILLED IN 1964

(1) INDICATES FEET OF SAMPLES MISSING

Oil yields of oil-shale beds in Green River formation near west branch of Cow Creek (SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 25, T. 4 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 23. - Grace corehole, Union Oil Co. of California, Garfield County, Colo.
(see table 48).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
132 FT.	608 FT.	740 FT.	30.03	246,800,000	175,700,000	2,080
208	532	740	25.07	400,400,000	239,000,000	1,795
530	210	740	18.23	1,071,000,000	484,900,000	1,371

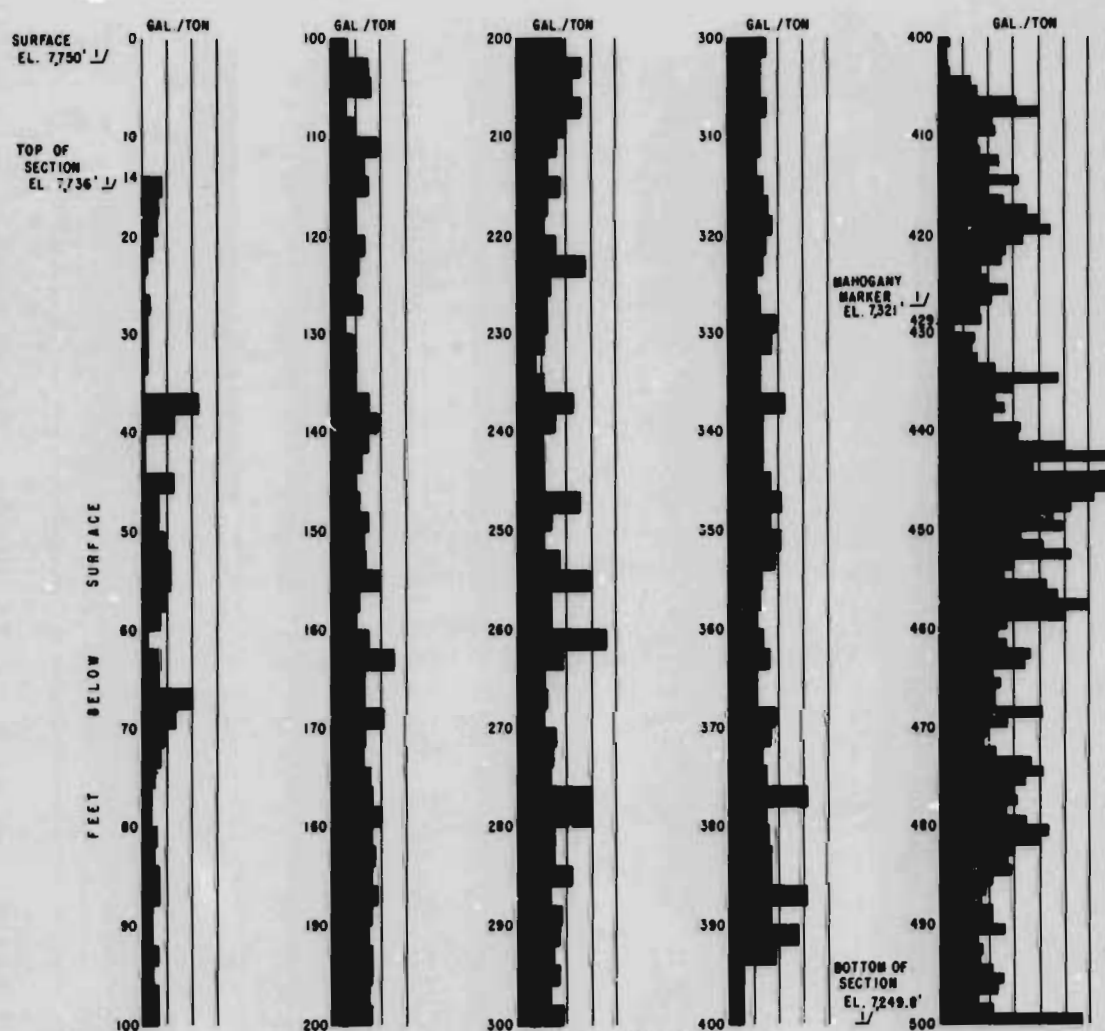
6 FT. NOT SAMPLED

CORE SAMPLES DRILLED IN 1953

() INDICATES FEET OF SAMPLES MISSING

Oil yields of oil-shale beds in Green River formation near head of Story Gulch (SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19, T. 4 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 24. - Hazel corehole, Union Oil Co. of California, Garfield County, Colo.
(see table 49).



TOTAL LENGTH OF SECTION — 486.2 FT.
235 FT. OF PLUS-15-GALLON SHALE 48 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
84 FT.	406.2 FT.	490.2 FT.	30.00	154,500,000	111,300,000	2,080
120	372.2	500.2	25.08	248,400,000	147,100,000	1,796
486.2	14.0	500.2	15.91	1,005,000,000	380,700,000	1,223

NOTE:

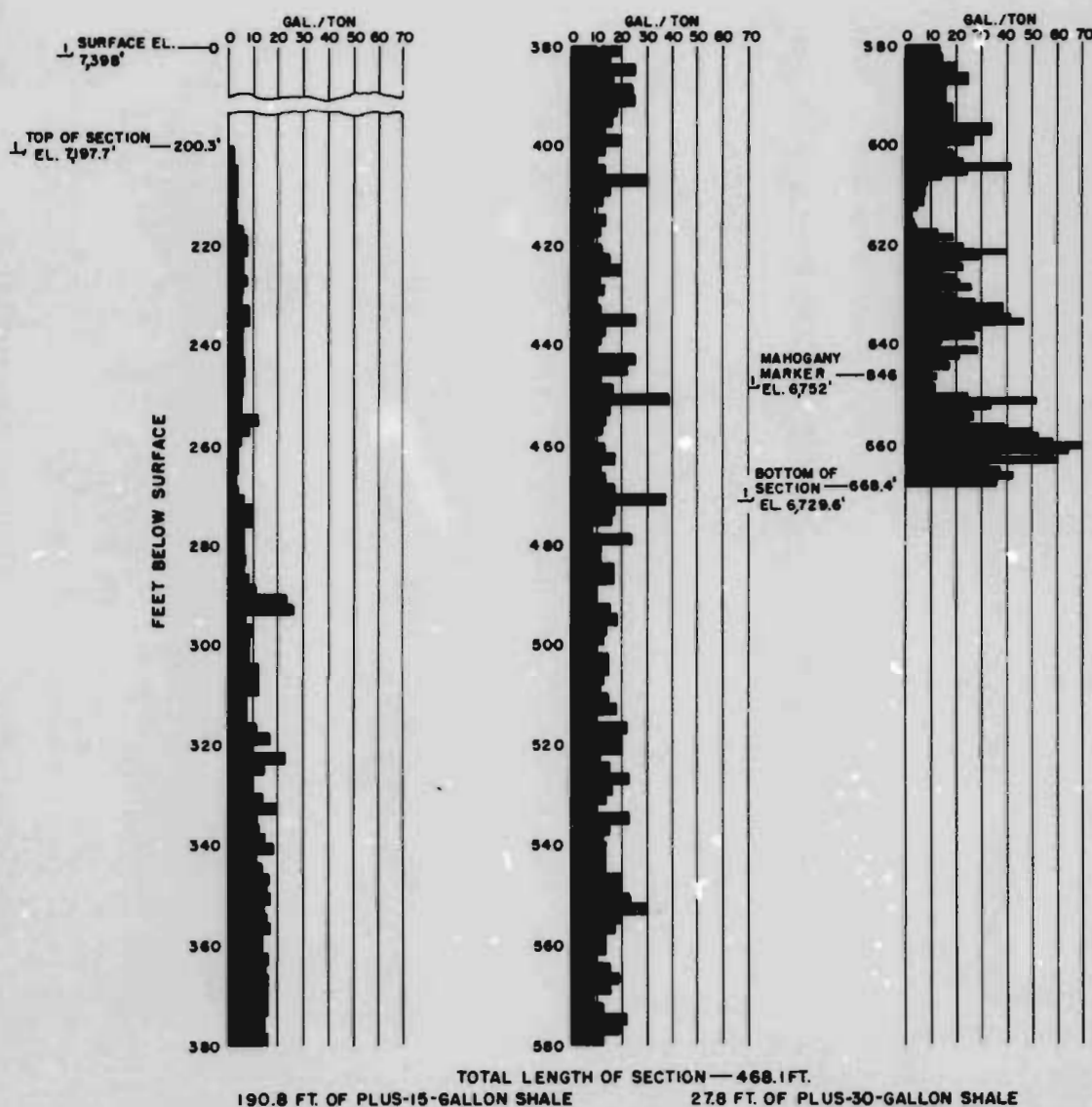
ADD 0.2 FOOT TO ALL SAMPLE DEPTHS
EXCEPT THE FIRST SAMPLE AT 14.0 FEET.

✓ APPROXIMATE

CORES DRILLED IN 1954

Oil yields of oil-shale beds in Green River formation near House Log Gulch (NW¼SE¼NE¼ sec. 33, T. 5 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 25. - Jann corehole, Union Oil Co. of California, Garfield County, Colo.
(see table 50).



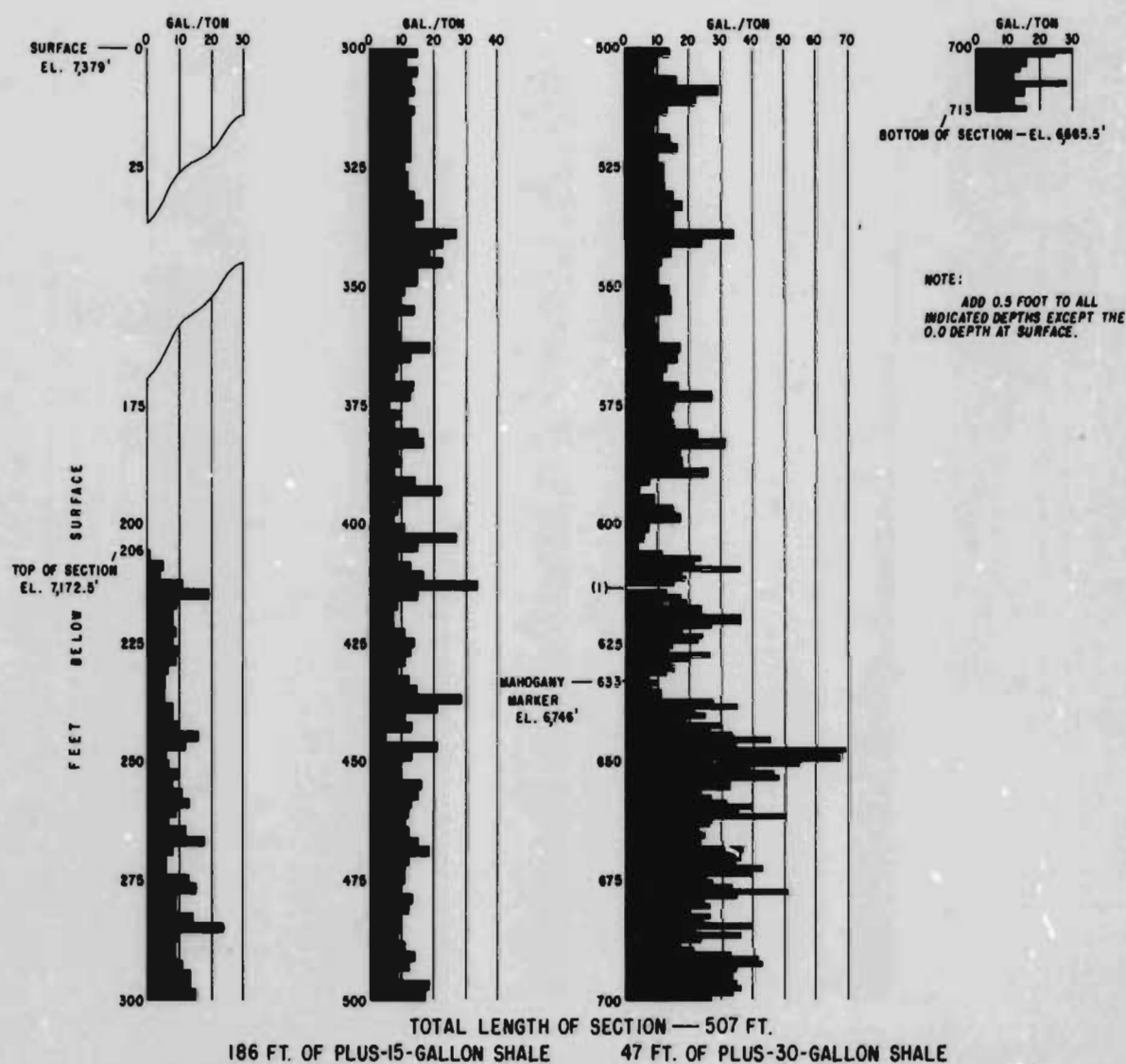
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
37.8 FT.	630.6 FT.	668.4 FT.	30.25	70,290,000	50,630,000	2,093
54.6	613.6	668.4	25.41	105,300,000	63,710,000	1,817
432.8	228.6	668.4	15.00	910,100,000	325,000,000	1,155

↓ APPROXIMATE

CORE SAMPLES DRILLED IN 1953
 EXCEPT FOR TOP AND BOTTOM OF OIL-SECTION, ALL INDICATED DEPTHS OF SAMPLES BELOW
 SURFACE SHOULD BE INCREASED BY 0.8 FT.

Oil yields of oil-shale beds in Green River formation near East Fork of Stuart Gulch (NW¼NW¼NW¼ sec. 23, T. 4 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 26. - Jill corehole, Union Oil Co. of California, Garfield County, Colo.
 (see table 52).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BSL. OIL/SQ. MILE	BSL. OIL/ACRE-FOOT
76 FT.	637.5	713.5 FT.	30.17	141,400,000	101,600,000	2,088
115	898.5	713.5	25.13	221,300,000	132,400,000	1,789
507	206.5	713.5	18.31	1,047,000,000	381,700,000	1,176

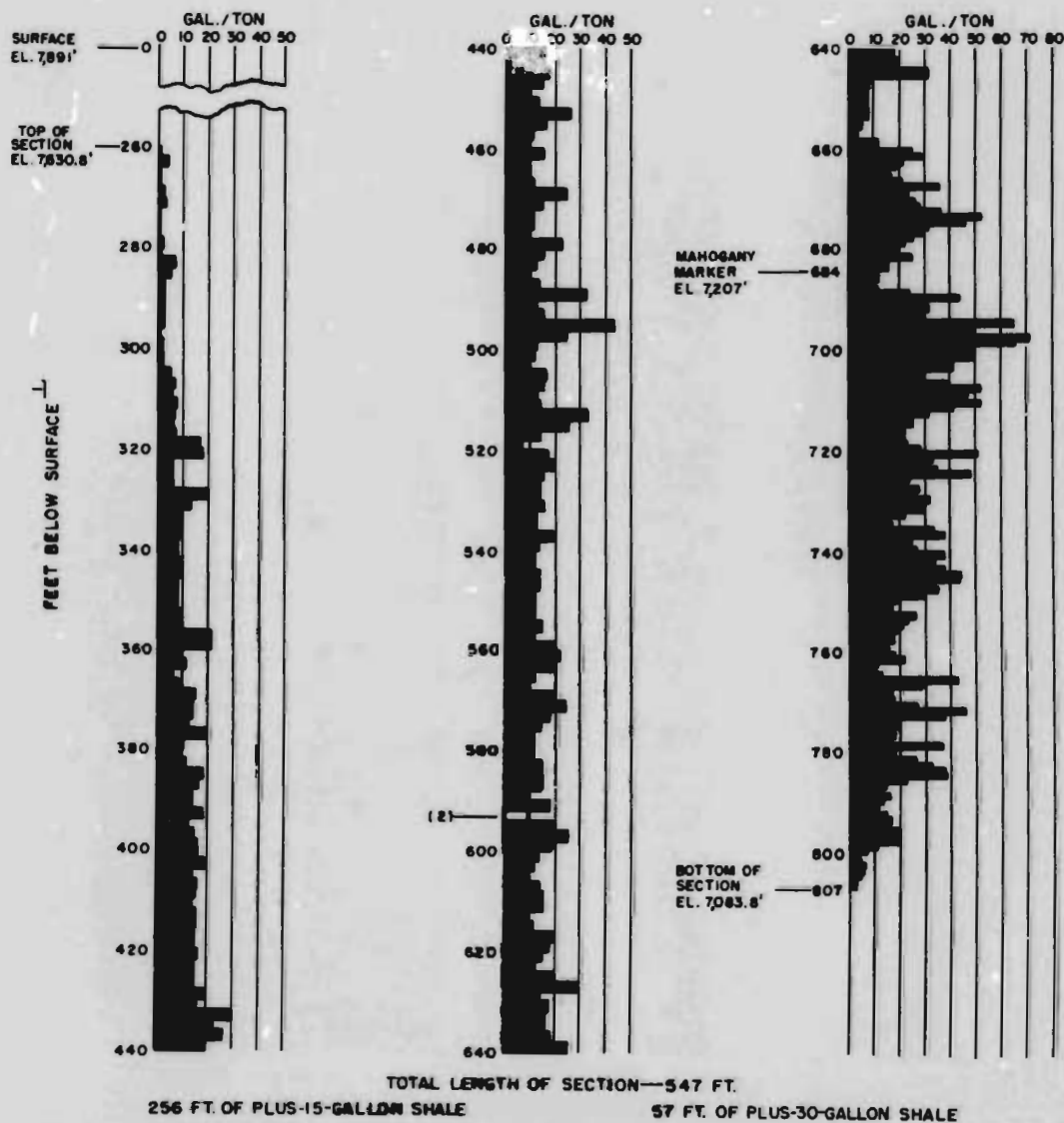
1/ 1 FT. NOT SAMPLED

CORES DRILLED IN 1954

() INDICATES FEET OF SAMPLES MISSING

Oil yields of oil-shale beds in Green River formation near west branch of Cow Creek (NW¼NW¼NE¼ sec. 24, T. 4 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 27. - Louise corehole, Union Oil Co. of California, Garfield County, Colo.
(see table 55).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
89 FT.	680.2 FT.	769.2 FT.	29.95	168,800,000	118,200,000	2,075
148	638.2	786.2	25.02	365,000,000	169,600,000	1,793
547	260.2	807.2	15.66	1,124,000,000	424,400,000	1,212

2 FT. NOT SAMPLED

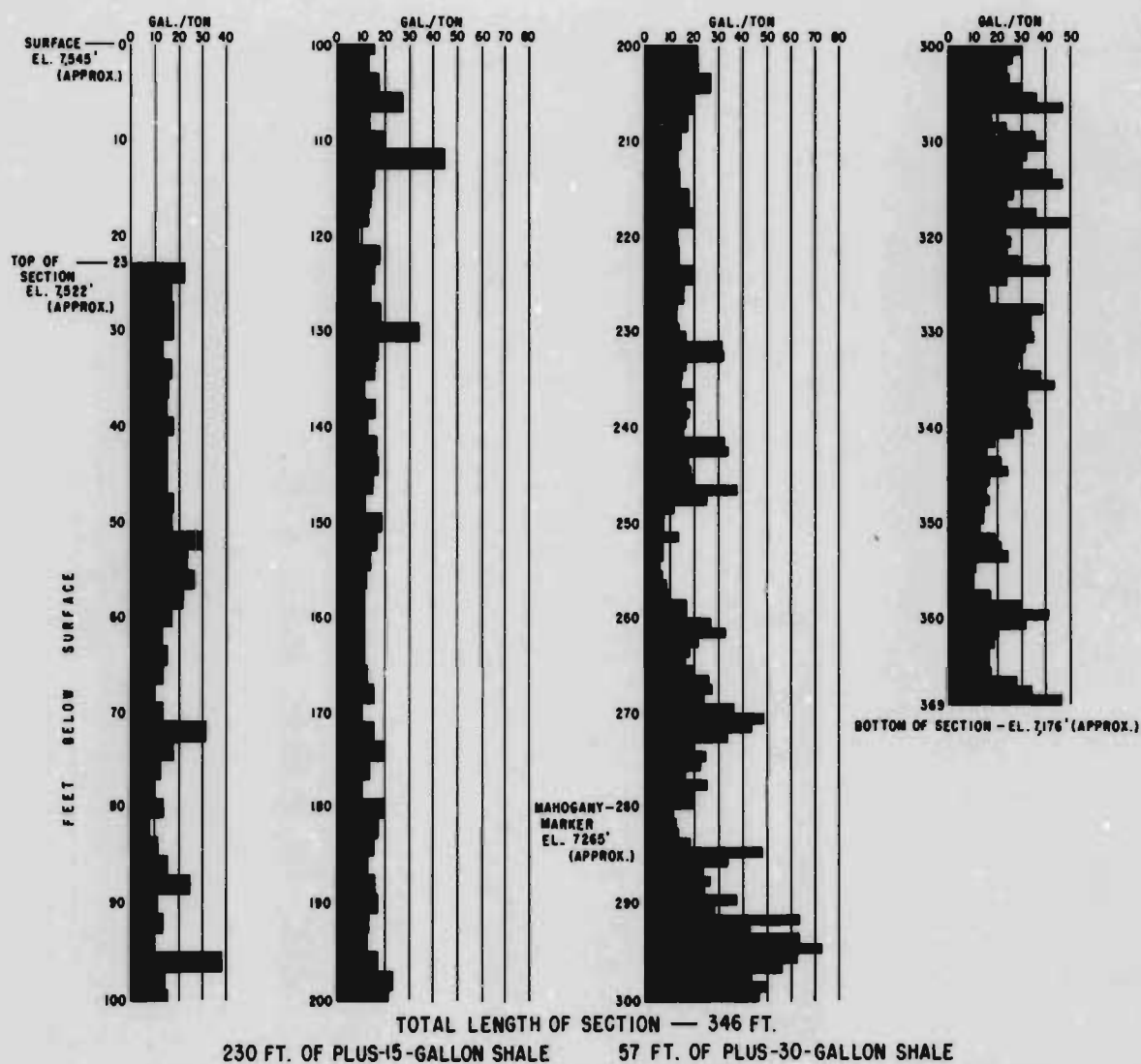
CORE SAMPLES DRILLED IN 1953

() INDICATES FEET OF SAMPLES MISSING

ALL INDICATED DEPTHS OF SAMPLES BELOW SURFACE SHOULD BE INCREASED BY .2 FOOT. FOR EXAMPLE, TOP OF SECTION IS AT A DEPTH OF 260.2 FT.

Oil yields of oil-shale beds in Green River formation near head of middle fork of Parachute Creek (SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 32, T. 4 S., R. 95 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 28. - Madge corehole, Union Oil Co. of California, Garfield County, Colo.
 (see table 56).

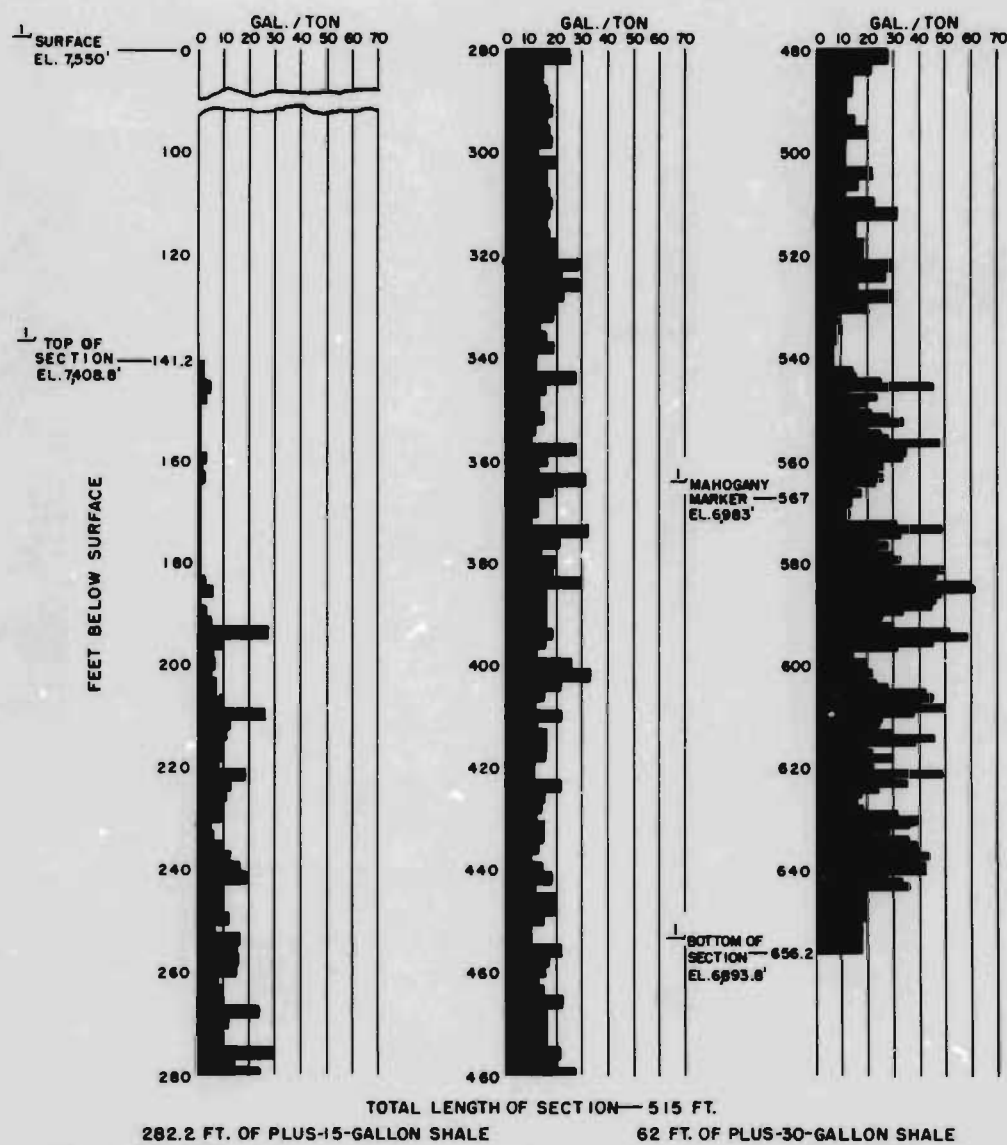


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL / TON	TONS SHALE / SQ. MILE	BBL. OIL / SQ. MILE	BBL. OIL / ACRE-FOOT
86 FT.	259 FT.	345 FT.	30.00	140,200,000	114,400,000	2,078
140	229	369	25.04	269,600,000	160,700,000	1,794
346	23	369	19.83	692,000,000	323,400,000	1,460

CORES DRILLED IN 1954

Oil yields of oil-shale beds in Green River formation near West Fork of Parachute Creek (NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 9, T. 5 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 29. - Parachute corehole, Union Oil Co. of California, Garfield County, Colo. (see table 57).



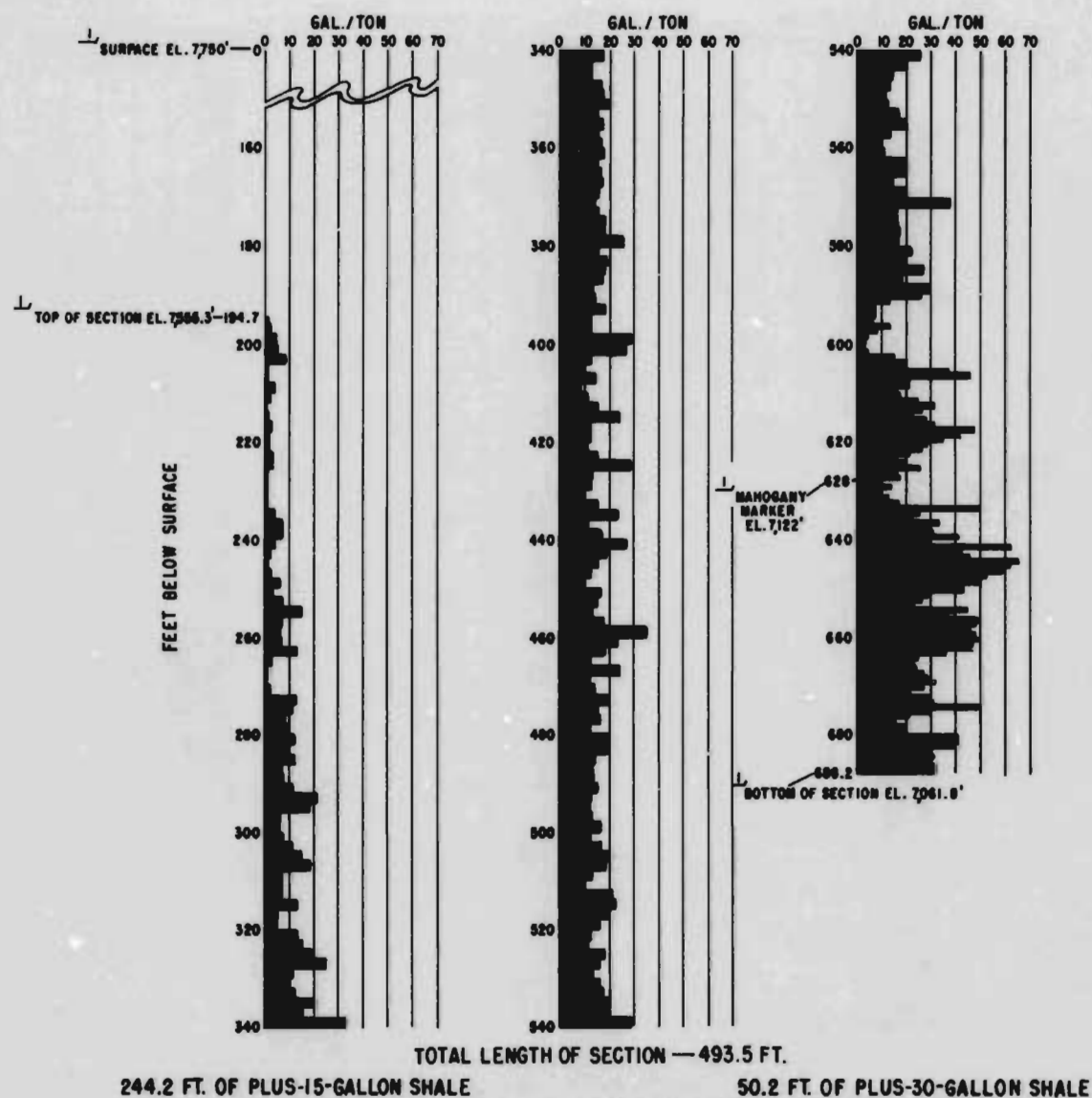
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	88L. OIL/SQ. MILE	88L. OIL/ACRE-FOOT
94 FT.	550 FT.	644 FT.	30.30	174,700,000	126,000,000	2,094
159.2	501	656.2	25.07	298,800,000	178,400,000	1,796
515	141.2	656.2	16.61	1,053,000,000	416,400,000	1,263

1 APPROXIMATE

CORE SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation near middle Fork of Stuart Gulch (NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 28, T. 4 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 30. - Rett corehole, Union Oil Co. of California, Garfield County, Colo.
 (see table 58).



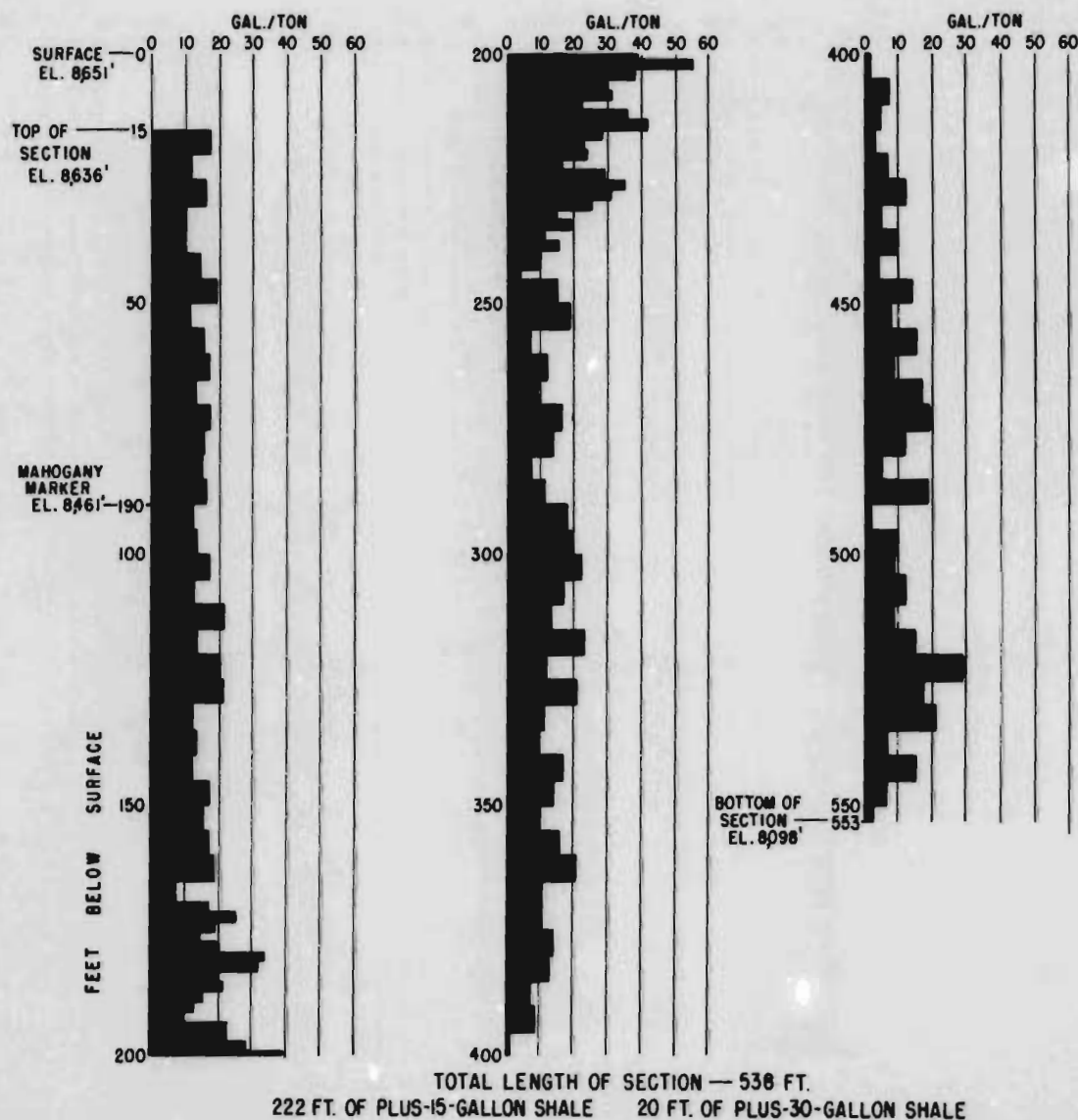
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BOB. OIL/SQ. MILE	BOB. OIL/ACRE-FOOT
88.2 FT.	600 FT.	688.2 FT.	30.10	184,200,000	117,700,000	2,085
134.2	554	688.2	25.15	258,200,000	154,600,000	1,800
493.5	194.7	688.2	15.61	1,016,000,000	377,600,000	1,196

1 APPROXIMATE

CORE SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation near Davis Gulch (NW¼SE¼SE¼ sec. 35, T. 4 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 31. - Twig corehole, Union Oil Co. of California, Garfield County, Colo. (see table 59).

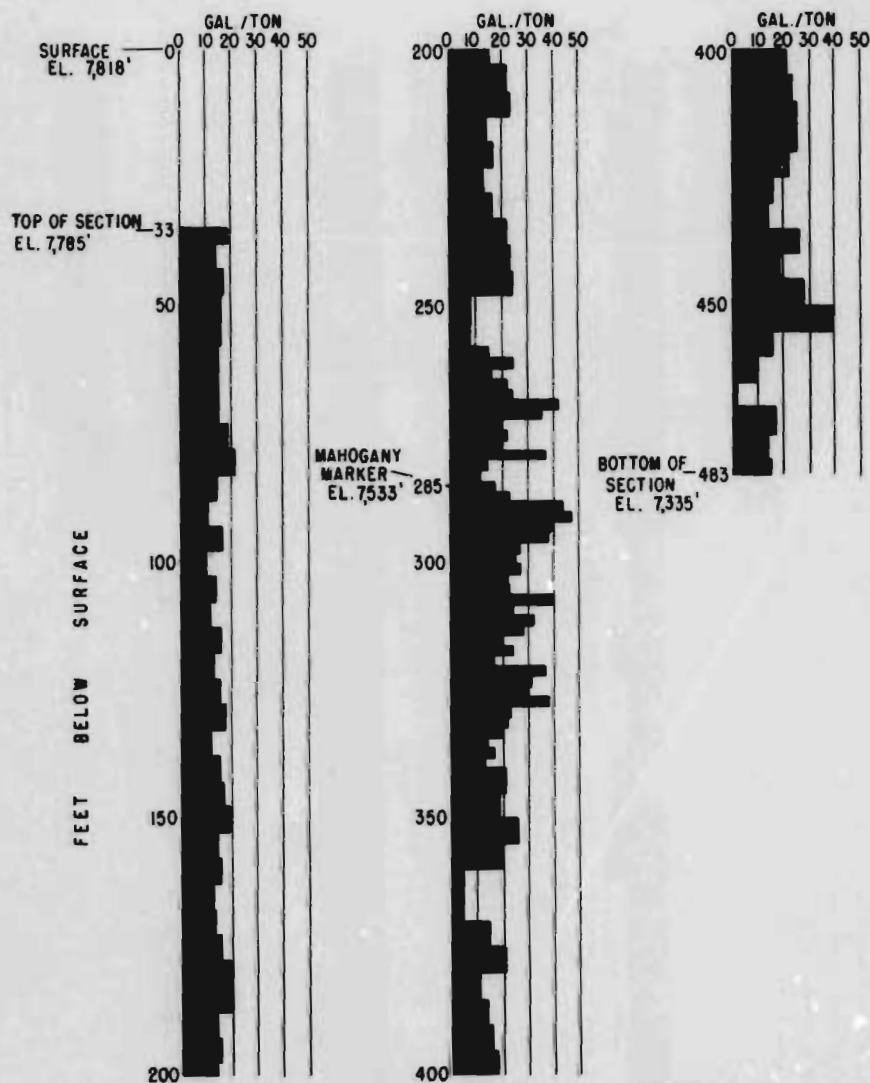


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/80. MILE	88L. OIL/80. MILE	88L. OIL/ACRE-FOOT
36 FT.	195 FT.	231	30.05	67,030,000	47,860,000	2,082
66	169	235	25.01	127,100,000	75,680,000	1,792
415	15	430	14.93	859,200,000	305,400,000	1,150

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation near head of Cathedral Creek (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 32. - Black Eagle corehole 1, Weber Oil Co., Rio Blanco County, Colo. (see table 60).



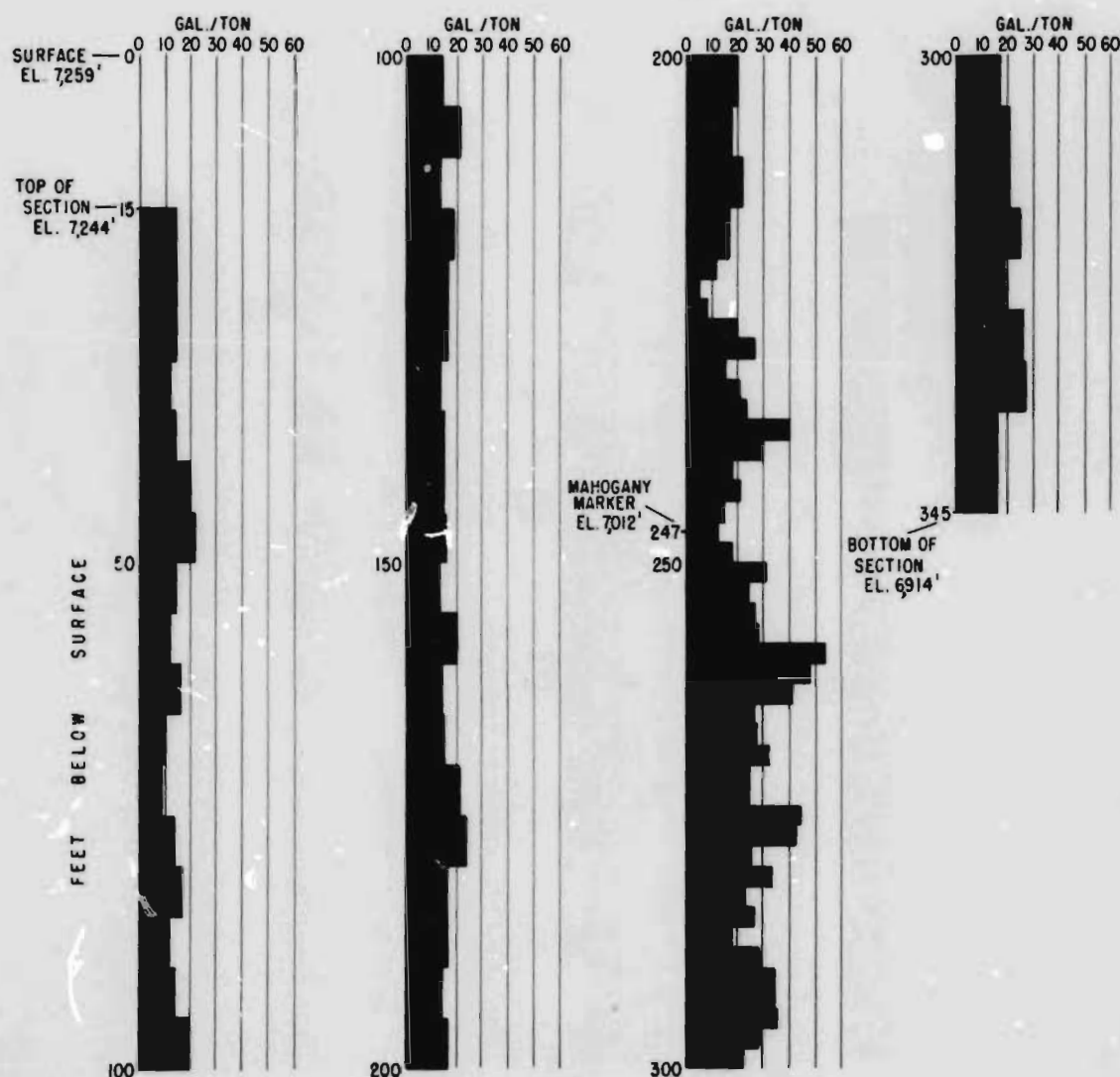
TOTAL LENGTH OF SECTION — 450 FT.
 319 FT. OF PLUS-15-GALLON SHALE 29 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
40 FT.	288 FT.	328 FT.	30.16	74,420,000	53,440,000	2,088
96	264	360	25.05	184,600,000	110,200,000	1,794
450	33	483	18.06	810,100,000	391,300,000	1,359

CORE SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation near Black Sulfur Creek (NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 33. - Black Sulfur Falls corehole 1, Weber Oil Co., Rio Blanco County, Colo. (see table 61).



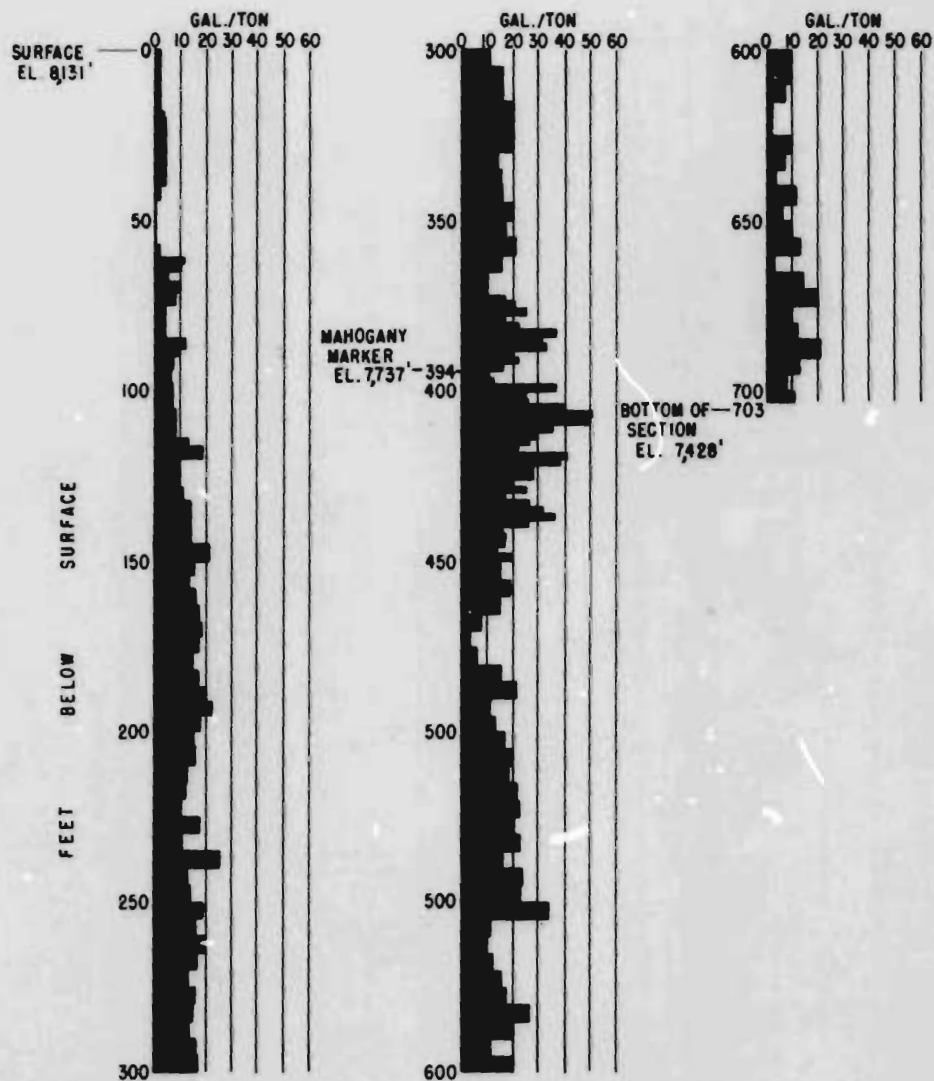
TOTAL LENGTH OF SECTION — 330 FT.
 215 FT. OF PLUS-15-GALLON SHALE 28 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	888. OIL/SQ. MILE	888. OIL/AC. FT.-FOOT
60 FT.	234 FT.	296 FT.	29.53	112,100,000	78,920,000	2,053
121	224	345	24.90	233,200,000	138,300,000	1,786
330	15	345	18.75	664,100,000	296,500,000	1,404

CORE SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation near Black Sulfur Creek (SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 26, T. 3 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 34. - Black Sulfur Falls corehole 2, Weber Oil Co., Rio Blanco County, Colo.
 (see table 62).



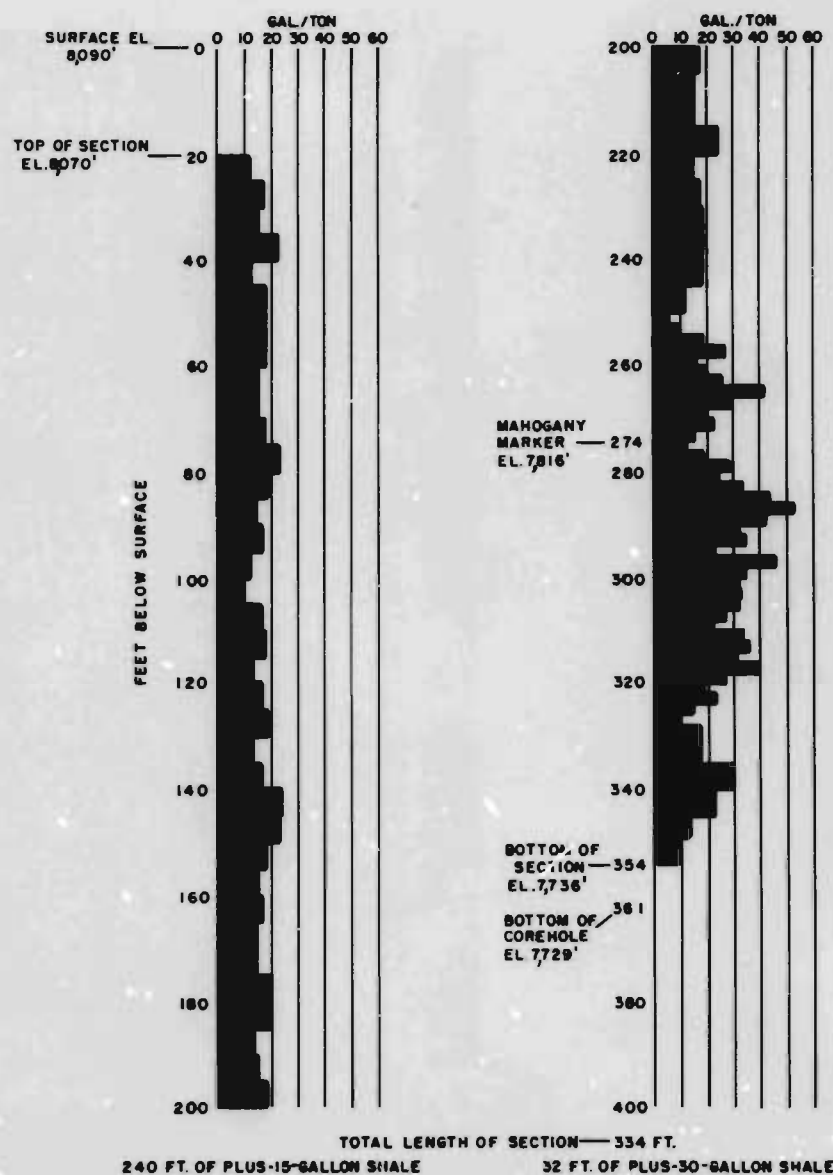
TOTAL LENGTH OF SECTION — 703 FT.
 328 FT. OF PLUS-15-GALLON SHALE 31 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
46 FT.	399 FT.	444 FT.	30.04	88,660,000	61,270,000	2,081
88	374	460	23.04	165,800,000	98,730,000	1,794
646	57	703	15.07	1,336,000,000	479,400,000	1,160

CORES DRILLED IN 1952 AND 1953

Oil yields of oil-shale beds in Green River formation near Eureka Creek (NW¼NW¼NE¼ sec. 14, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 35. - Coscora corehole 1, Weber Oil Co., Rio Blanco County, Colo.
 (see table 63).

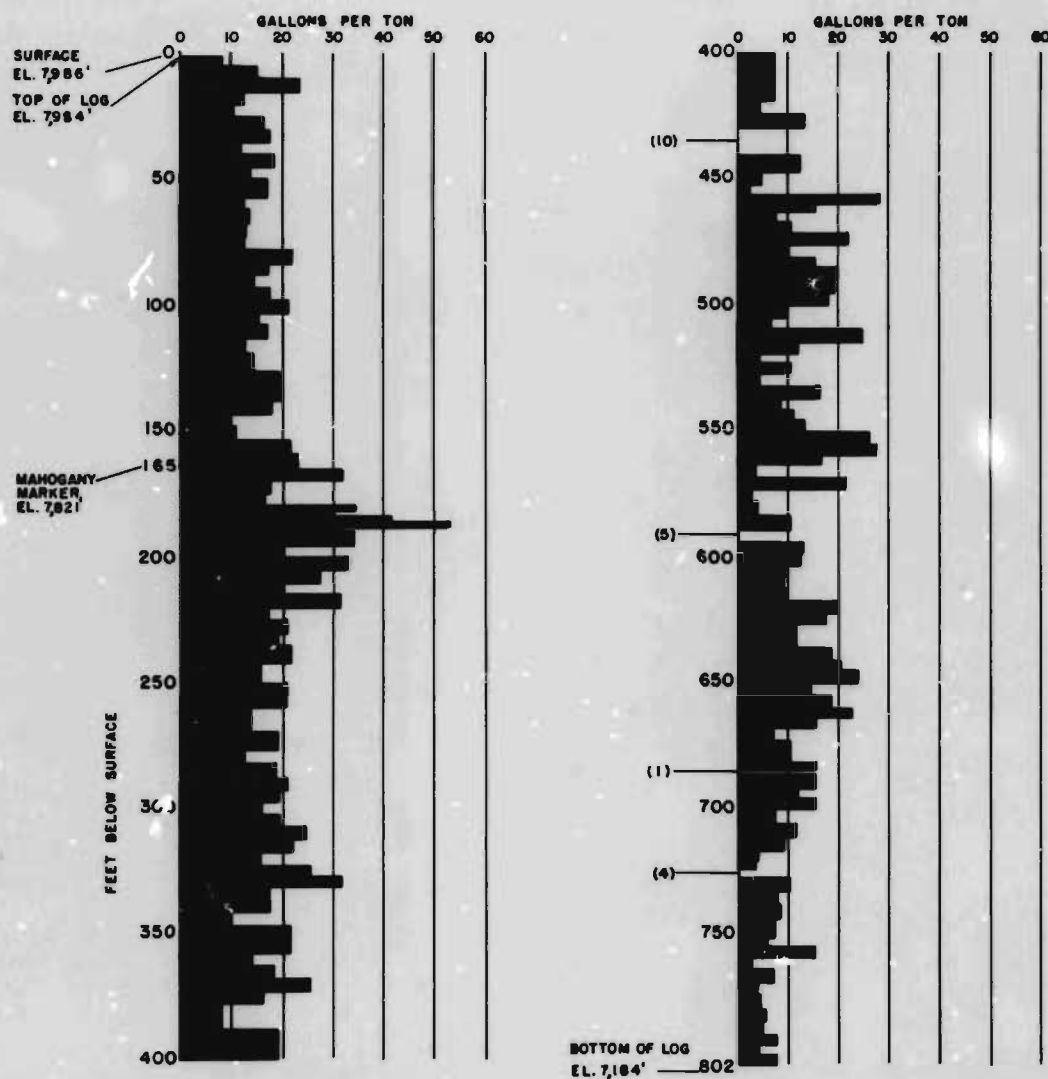


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL / TON	TONS SHALE/SQ. MILE	BBL OIL/SQ. MILE	BBL OIL/ACRE-FOOT
58 FT.	284 FT.	320 FT.	29.89	104,400,000	74,300,000	2,073
87	252	349	24.97	186,900,000	111,100,000	1,790
334	20	354	18.57	673,000,000	297,600,000	1,392

CORE SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation near East Willow Creek (SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 36. - Coscora corehole 2, Weber Oil Co., Garfield County, Colo. (see table 64).



TOTAL LENGTH OF SECTION — 800 FT.
 387 1/2 FT. OF PLUS-15 - GALLON SHALE 35 FT. OF PLUS-30 - GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
40 FT.	180 FT.	220 FT.	29.74	74,640,000	52,850,000	2,064
75	160	235	25.09	144,400,000	88,260,000	1,797
757	2	759	18.06	1,566,000,000	561,500,000	1,159

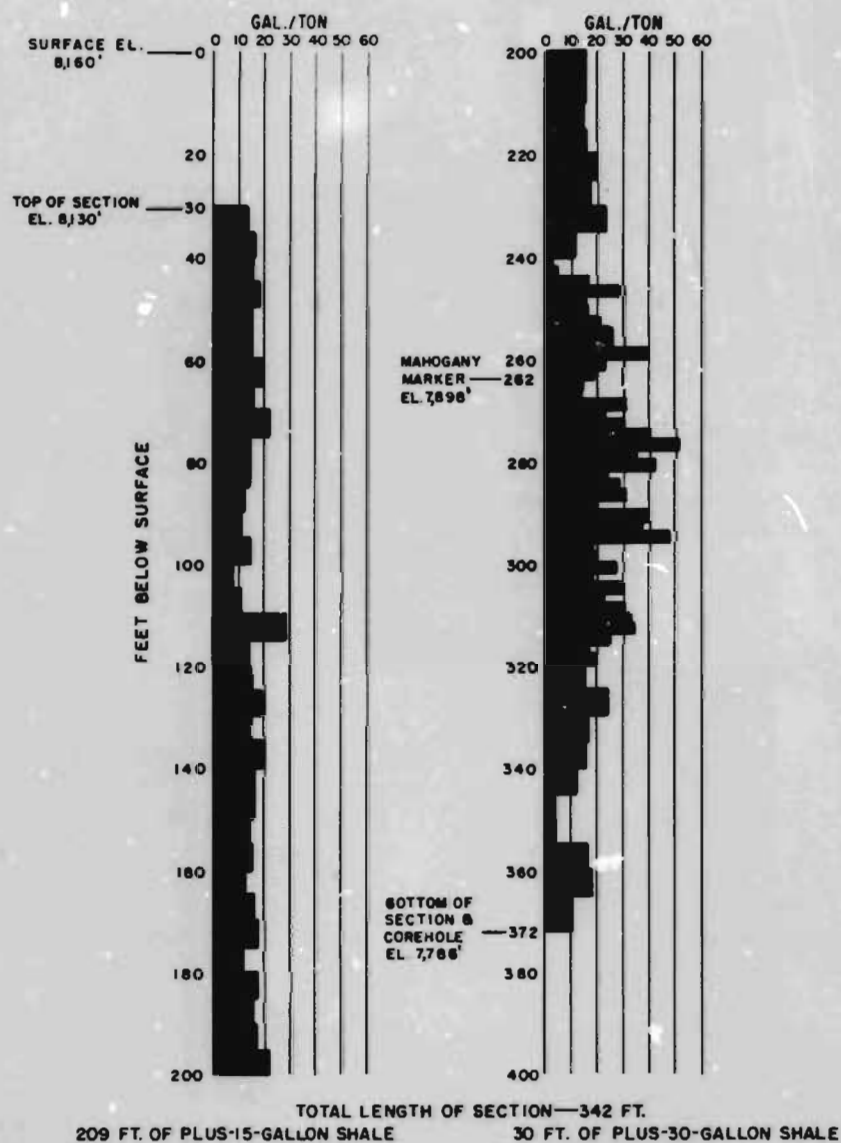
4 FT. NOT SAMPLED

() INDICATES FEET OF SAMPLES MISSING

CORE DRILLED IN 1951

Oil yields of oil-shale beds in Green River formation near Black Sulfur Creek (located at a point whence E. ¼ corner, sec. 10, T. 4 S., R. 99 W., of 6th P.M. bears S. 87° 45' E. 1,091.2 ft.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 37. - Figure 4 corehole 1, Weber Oil Co., Rio Blanco County, Colo.
 (see table 65).

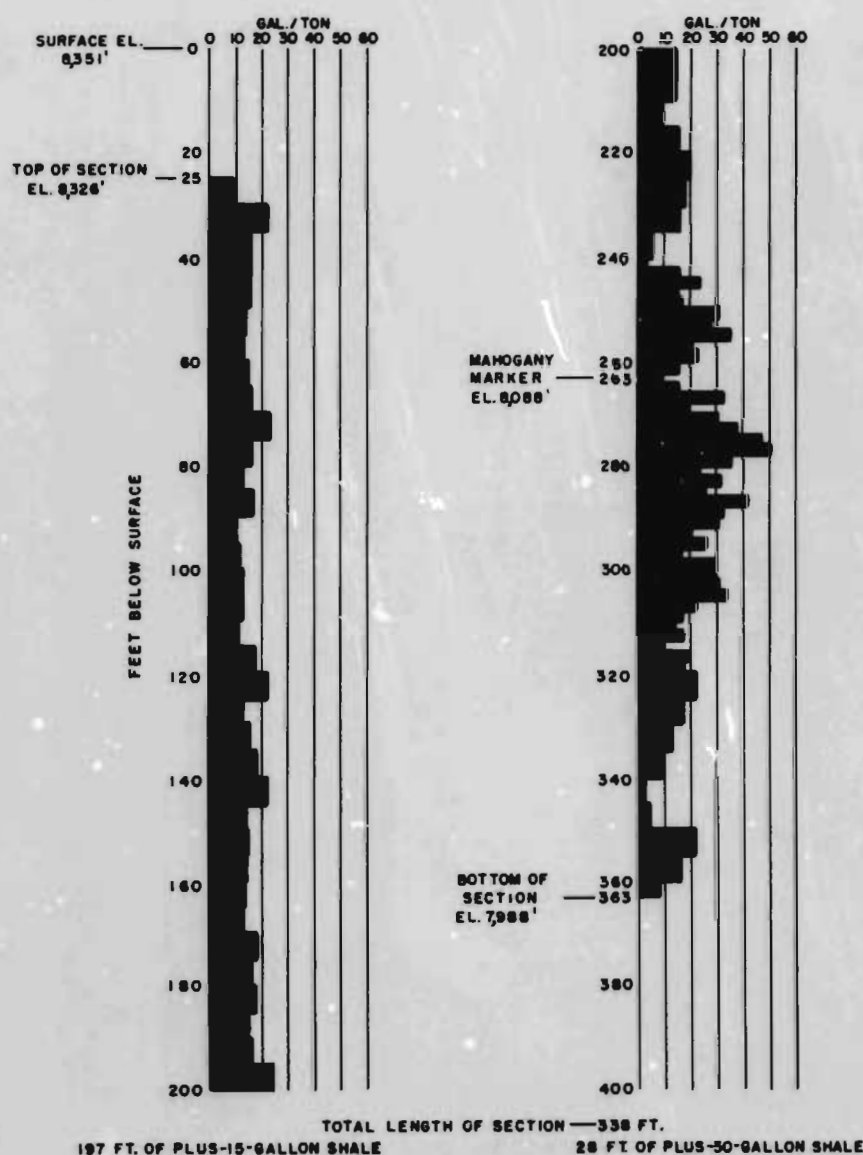


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BSL. OIL/SQ. MILE	BSL. OIL/ACRE-FOOT
46 FT.	268 FT.	316 FT.	30.18	89,310,000	64,130,000	2,088
86	244	330	25.00	165,600,000	98,570,000	1,791
342	30	372	17.19	696,100,000	284,900,000	1,302

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation near Black Sulfur Creek (SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 38. - Figure 4 corehole 2, Weber Oil Co., Rio Blanco County, Colo. (see table 67).

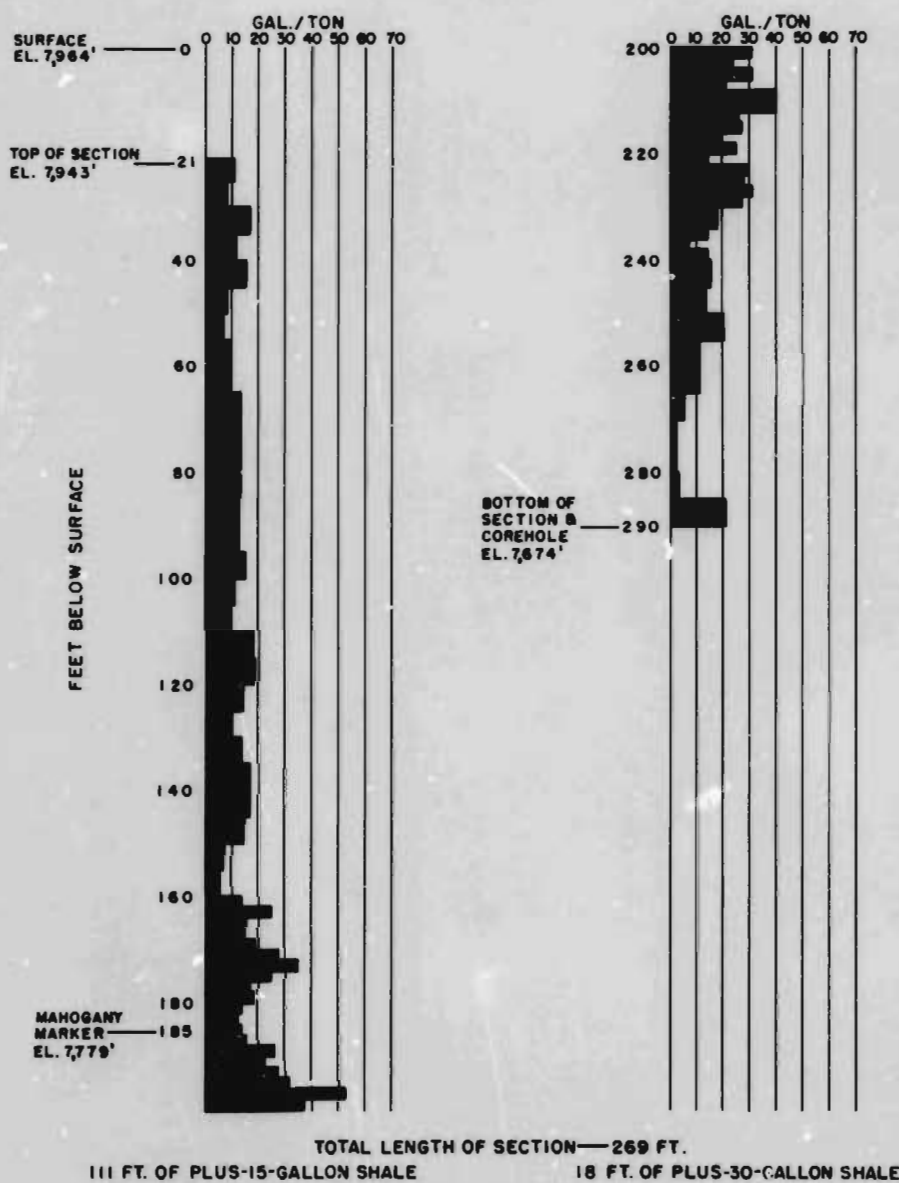


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
42 FT.	266 FT.	308 FT.	30.46	77,980,000	56,550,000	2,104
79	246	325	24.96	152,200,000	90,450,000	1,789
338	25	363	16.83	689,800,000	276,100,000	1,276

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation near Black Sulfur Creek (NW¼NE¼NE¼ sec. 17, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 39. - Figure 4 corehole 3, Weber Oil Co., Rio Blanco County, Colo.
(see table 67).

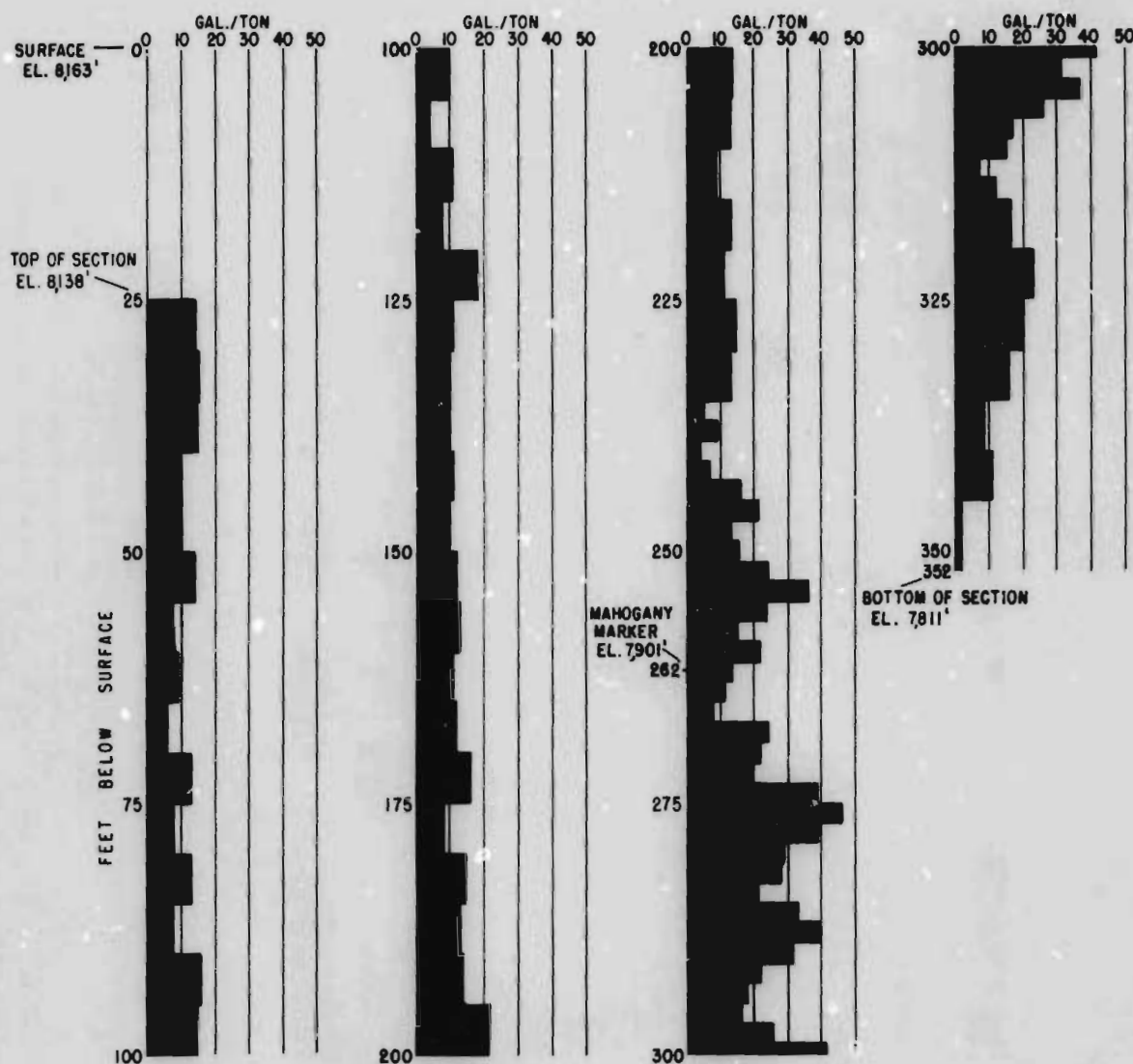


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
30 FT.	190 FT.	220 FT.	29.82	55,950,000	39,720,000	2,069
68	162	230	24.91	131,100,000	77,780,000	1,787
260	30	290	14.98	538,100,000	192,100,000	1,154

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation near head of Corral Gulch (SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 23, T. 2 S., R. 100 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 40. - G. J. corehole 1, Weber Oil Co., Rio Blanco County, Colo. (see table 68).



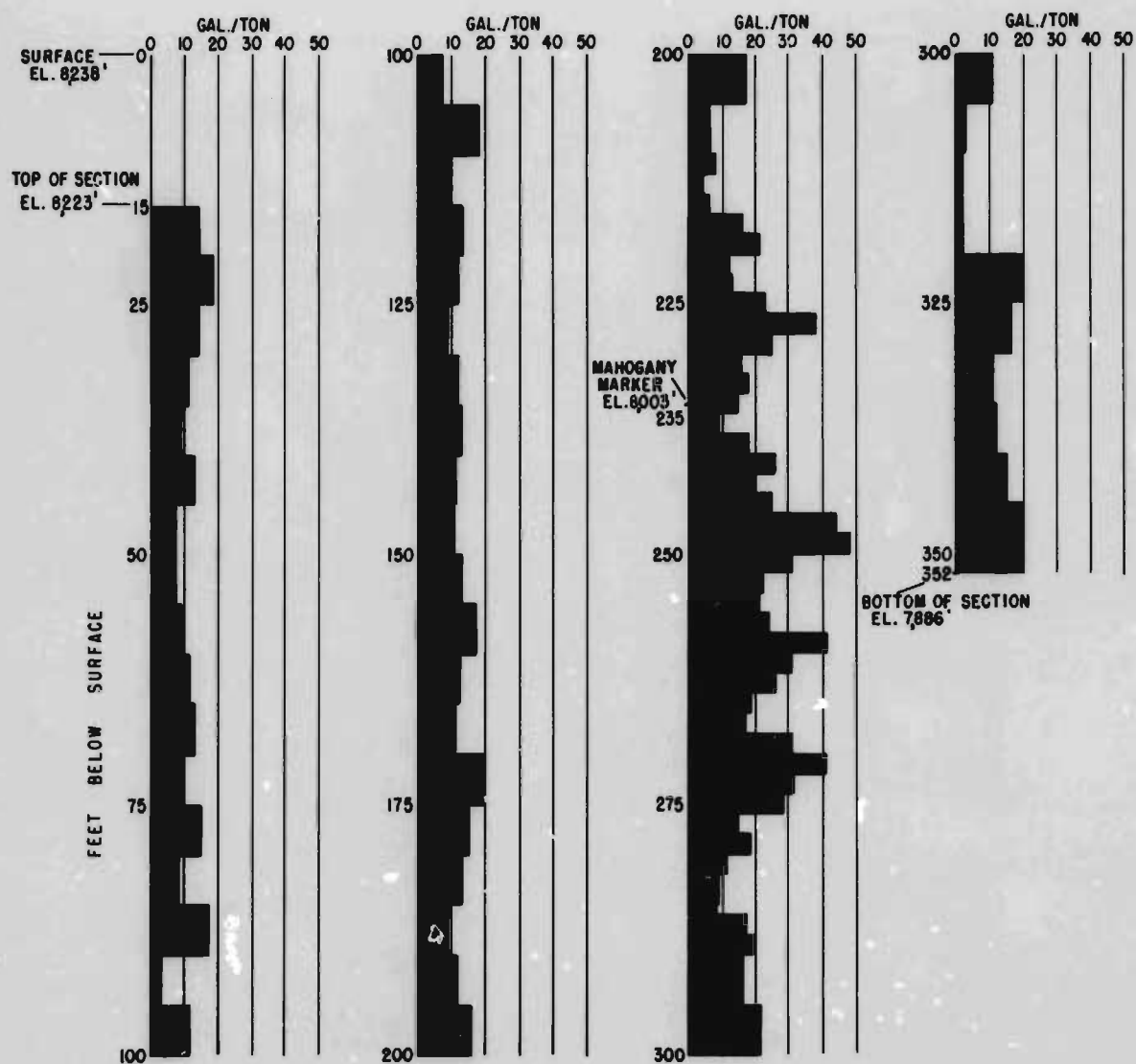
TOTAL LENGTH OF SECTION — 327 FT.
115 FT. OF PLUS-15-GALLON SHALE 20 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
34 FT.	273 FT.	307 FT.	30.29	63,200,000	48,580,000	2,085
60	249	309	25.09	115,500,000	69,000,000	1,797
305	30	335	19.00	631,200,000	225,400,000	1,155

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation near Cathedral Bluffs (SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T. 2 S., R. 100 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 41. - G. J. corehole 2, Weber Oil Co., Rio Blanco County, Colo. (see table 69).



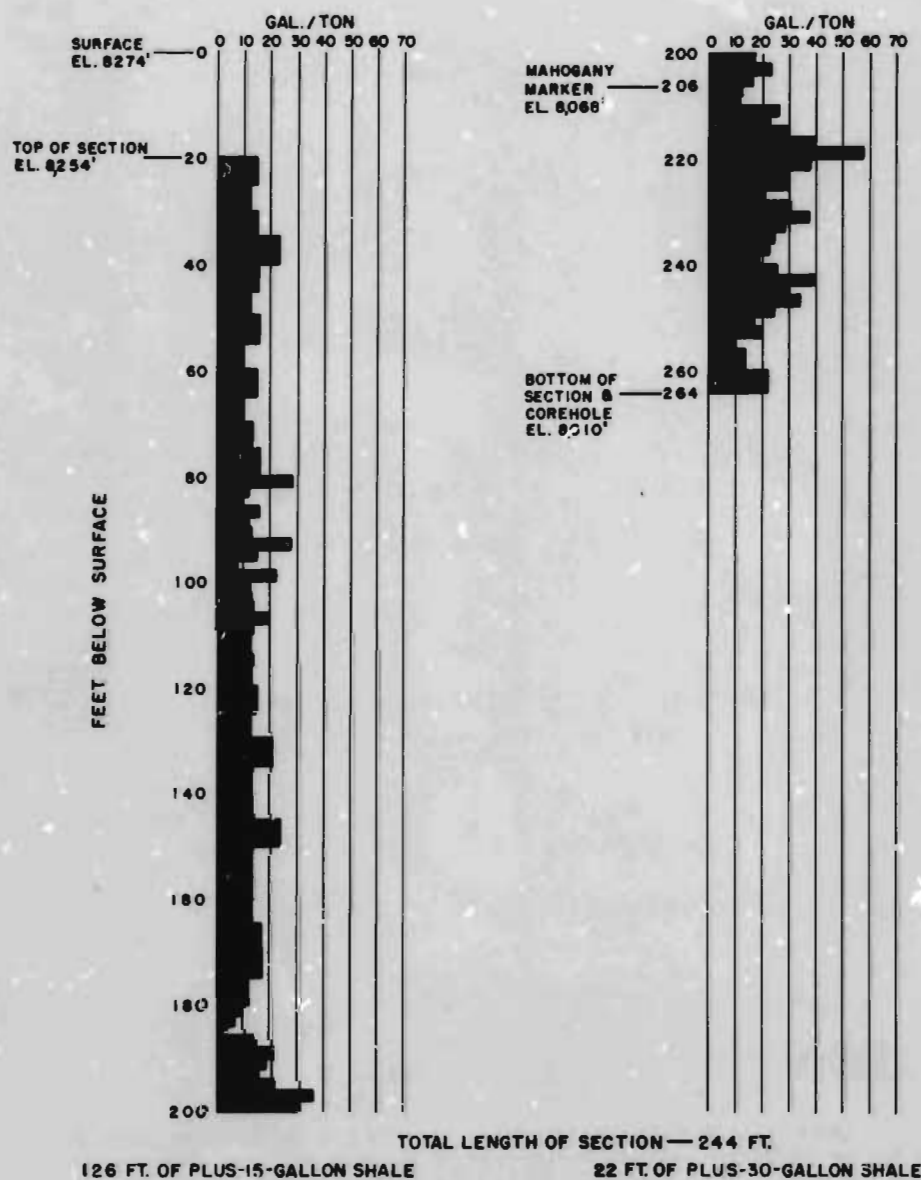
TOTAL LENGTH OF SECTION — 337 FT
132 FT. OF PLUS-15-GALLON SHALE 18 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
28 FT.	246 FT.	274 FT.	29.98	52,160,000	37,230,000	2,078
86	224	280	25.16	107,700,000	64,320,000	1,800
220	85	305	18.03	466,200,000	162,900,000	1,157

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation near Cathedral Bluffs (SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35, T. 2 S., R. 100 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 42. - G. J. corehole 3, Weber Oil Co., Rio Blanco County, Colo. (see table 70).

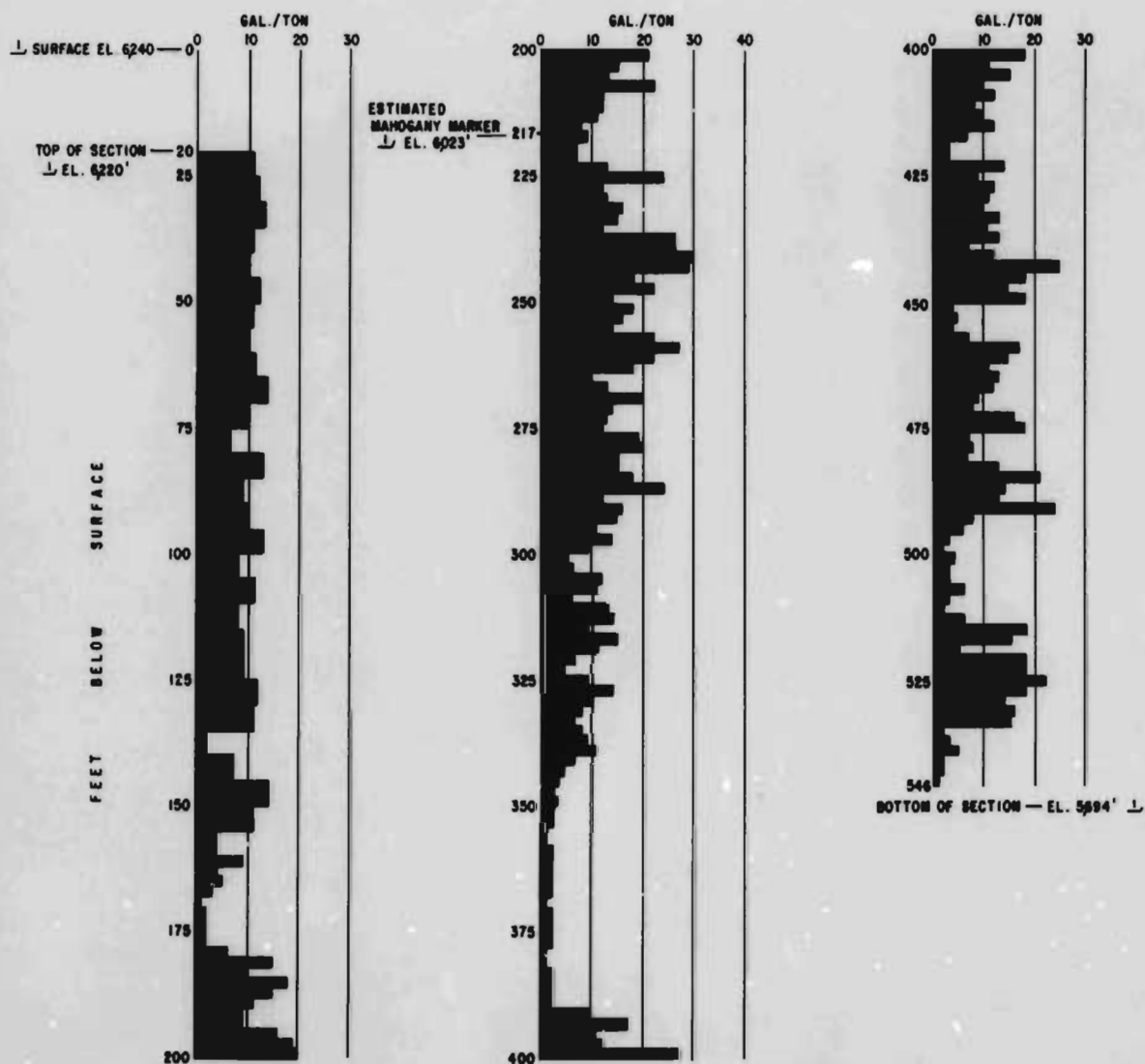


SELECTED SECTION						
LENGTH	FROM	TO	GAL. OIL / TON	TONS SHALE / SQ. MILE	BBL. OIL / SQ. MILE	BBL. OIL / ACRE-FOOT
40 FT.	210 FT.	250 FT.	29.92	74,550,000	53,110,000	2,075
68	186	254	25.25	130,801,001	78,640,000	1,807
244	20	264	17.26	496,401,000	204,000,000	1,306

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation near head of Clear Creek (SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 43. - Joe T. corehole 1, Weber Oil Co., Garfield County, Colo. (see table 71).



TOTAL LENGTH OF SECTION — 526 FT.
98 FT. OF PLUS-15-GALLON SHALE 2 FT. OF PLUS-30-GALLON SHALE

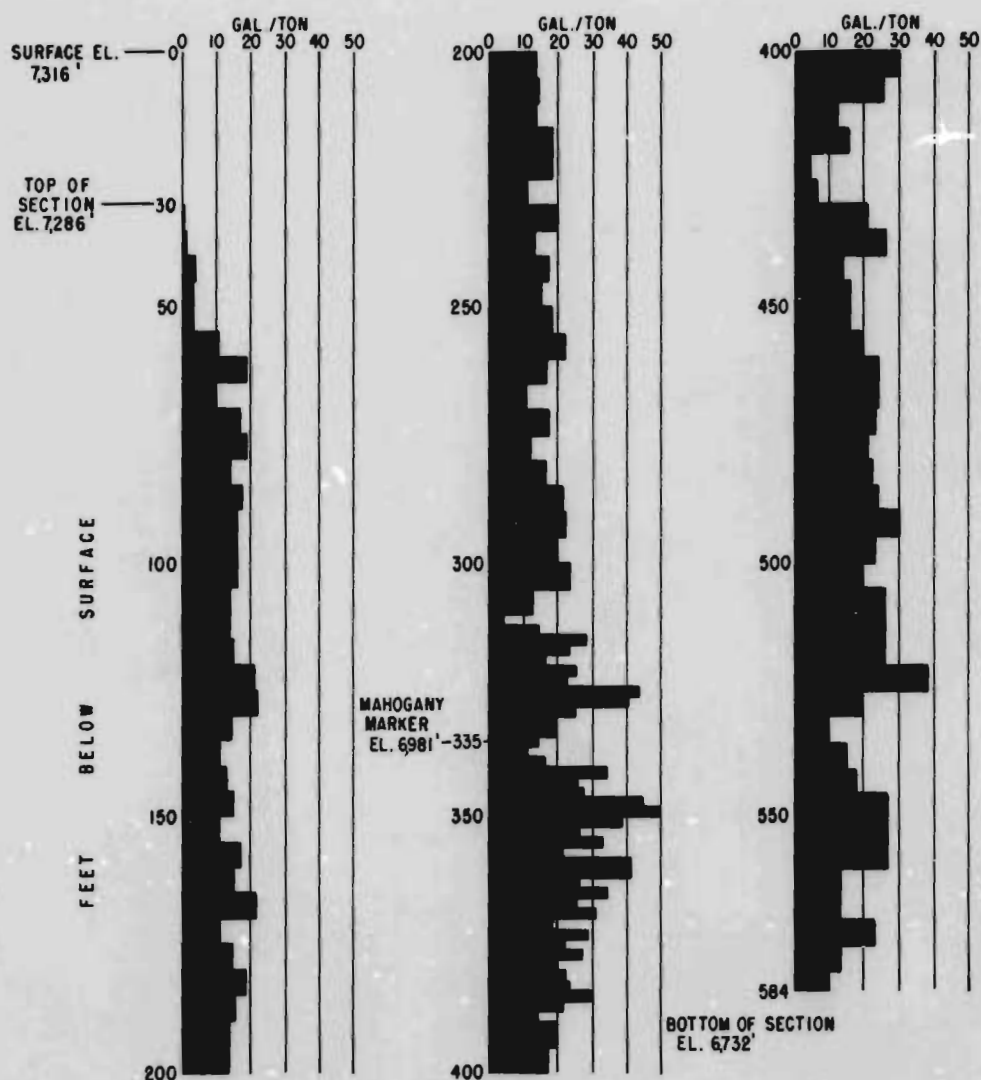
SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL./TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
2 FT.	240 FT.	242 FT.	30.40	3,715,000	2,689,000	2,101
12	236	248	24.99	23,120,000	13,780,000	1,792
132	180	312	14.99	273,200,000	97,510,000	1,154

CORES DRILLED IN 1952

⌞ ELEVATIONS WERE ESTIMATED; ALSO, MANOGANY MARKER WAS NOT POSITIVELY IDENTIFIED

Oil yields of oil-shale beds in Green River formation in Little Hills Game Experiment Station ($W\frac{1}{2}$ sec. 1, T. 1 S., R. 96 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 44. - Juhan corehole 1, Weber Oil Co., Rio Blanco County, Colo. (see table 72).



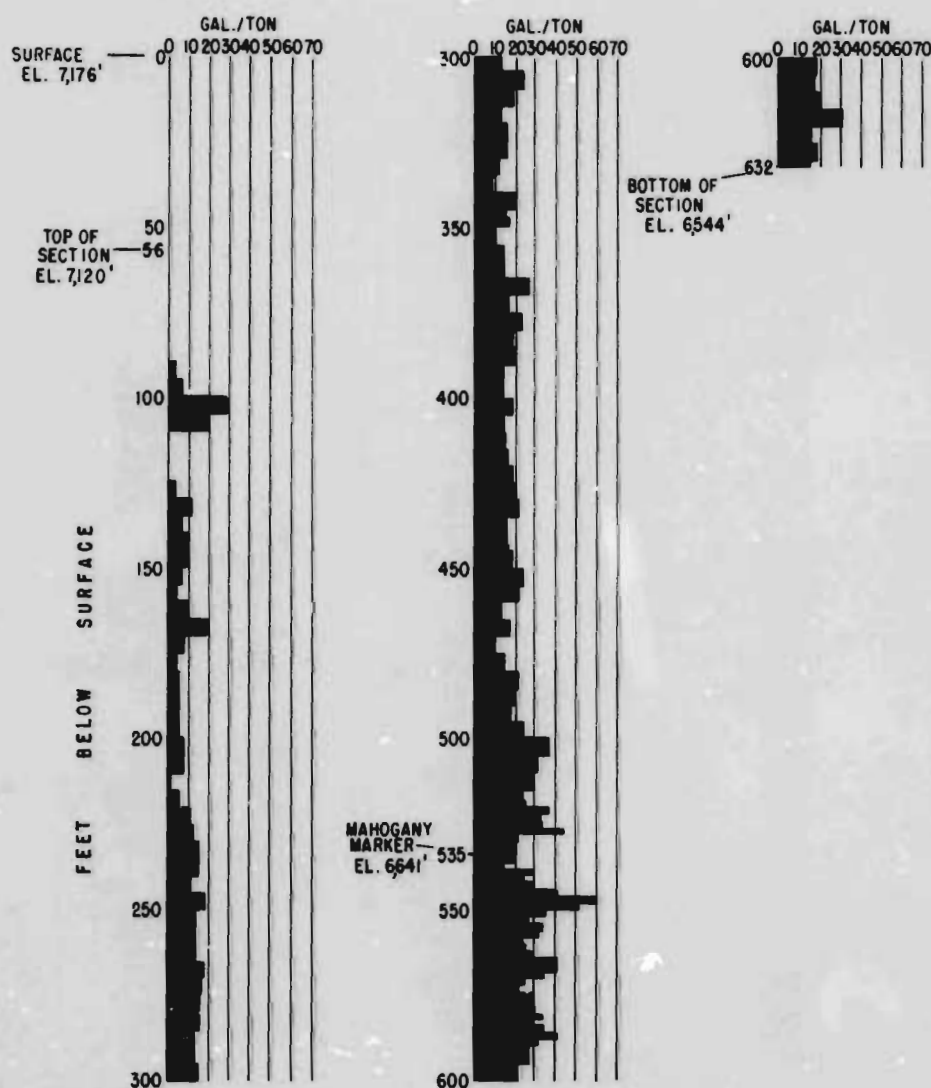
TOTAL LENGTH OF SECTION — 554 FT.
362 FT. OF PLUS-15-GALLON SHALE 38 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	CAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
48 FT.	340 FT.	388 FT.	30.02	89,400,000	63,900,000	2,080
101	314	415	29.19	194,300,000	116,800,000	1,802
554	30	584	17.62	1,124,000,000	473,400,000	1,335

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation near Eureka Creek (SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31, T. 3 S., R. 98 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 45. - Marcedus corehole 1, Weber Oil Co., Rio Blanco County, Colo.
(see table 73).



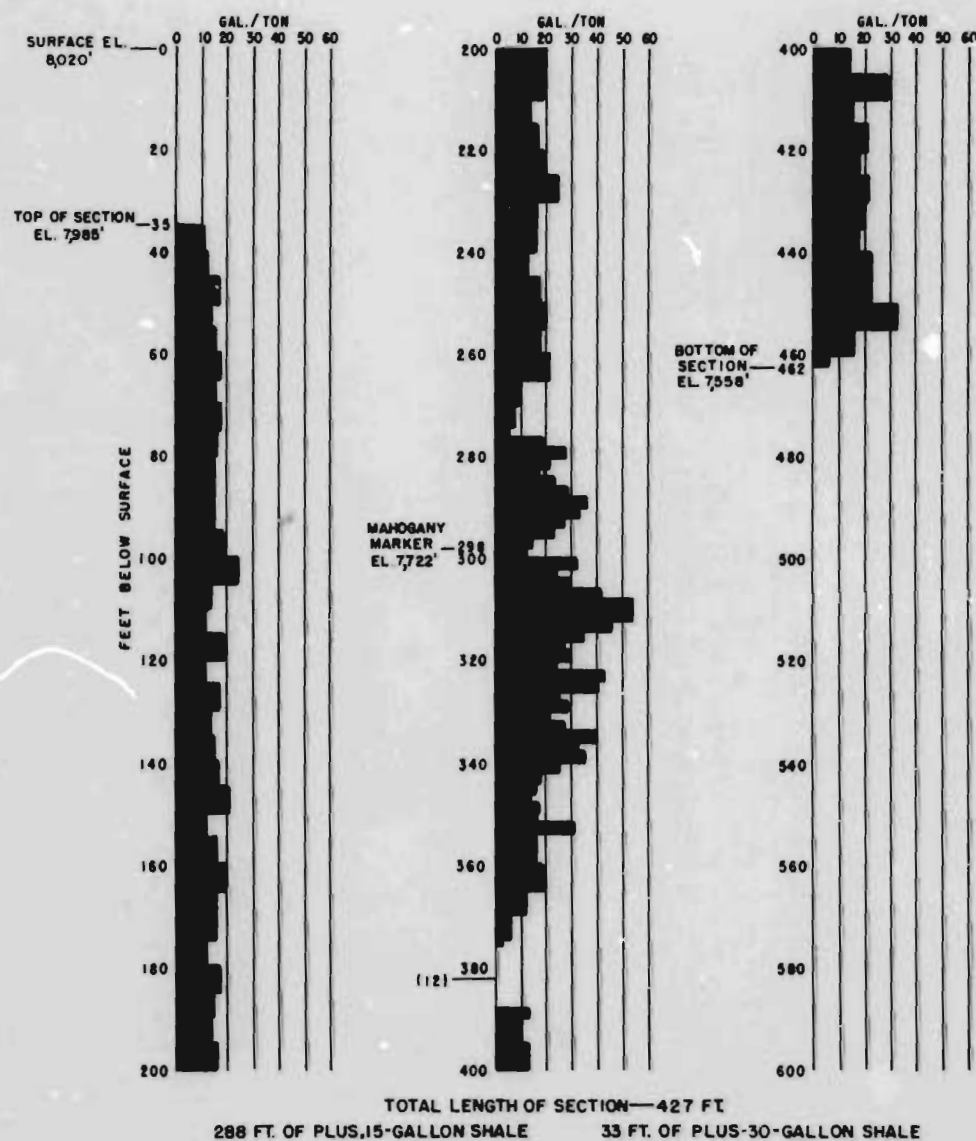
TOTAL LENGTH OF SECTION — 576 FT.
302 FT. OF PLUS-15-GALLON SHALE 51 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
90 FT.	500 FT.	590 FT.	28.98	167,700,000	119,700,000	2,078
170	454	620	25.13	327,000,000	194,100,000	1,802
542	90	632	16.11	1,112,000,000	426,500,000	1,230

CORE SAMPLES DRILLED IN 1952

Oil yields of oil-shale beds in Green River formation in bottom of Yankee Gulch (SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 30, T. 3 S., R. 98 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 46. - Marcedus corehole 2, Weber Oil Co., Rio Blanco County, Colo.
(see table 74).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL / TON	TONS SHALE / SQ. MILE	BSL. OIL / SQ. MILE	BSL. OIL / ACRE-FOOT
62 FT.	278 FT.	340 FT.	29.99	115,500,000	82,470,000	2,078
94	276	370	25.42	180,500,000	109,200,000	1,815
427	35	462	18.55	860,500,000	380,100,000	1,391

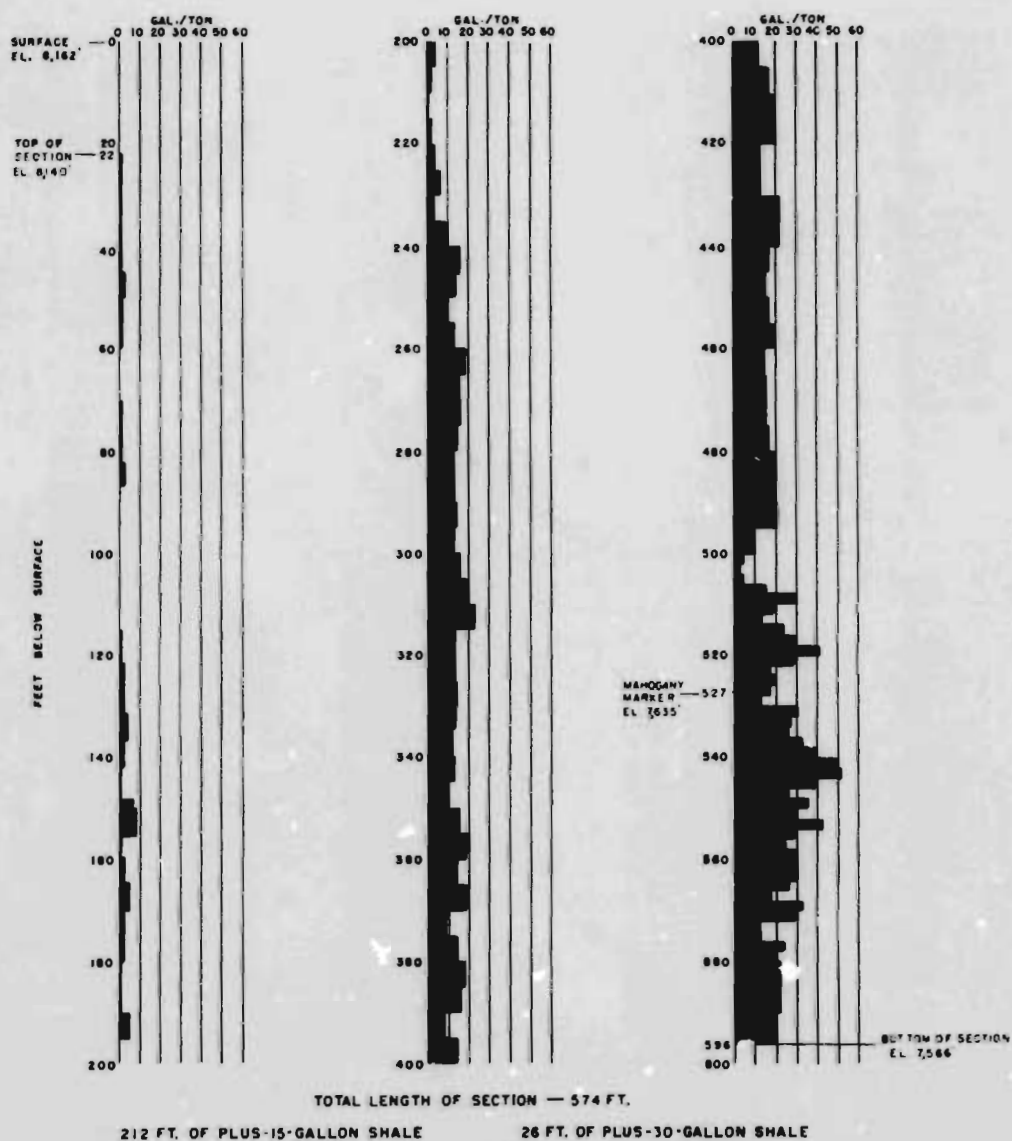
12 FT. NOT SAMPLED

CORE SAMPLES DRILLED IN 1953

() INDICATES FT. OF SAMPLES MISSING

Oil yields of oil-shale beds in Green River formation near head of West Fawn Creek (NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 47. - Ureca corehole 1, Weber Oil Co., Rio Blanco County, Colo. (see table 75).

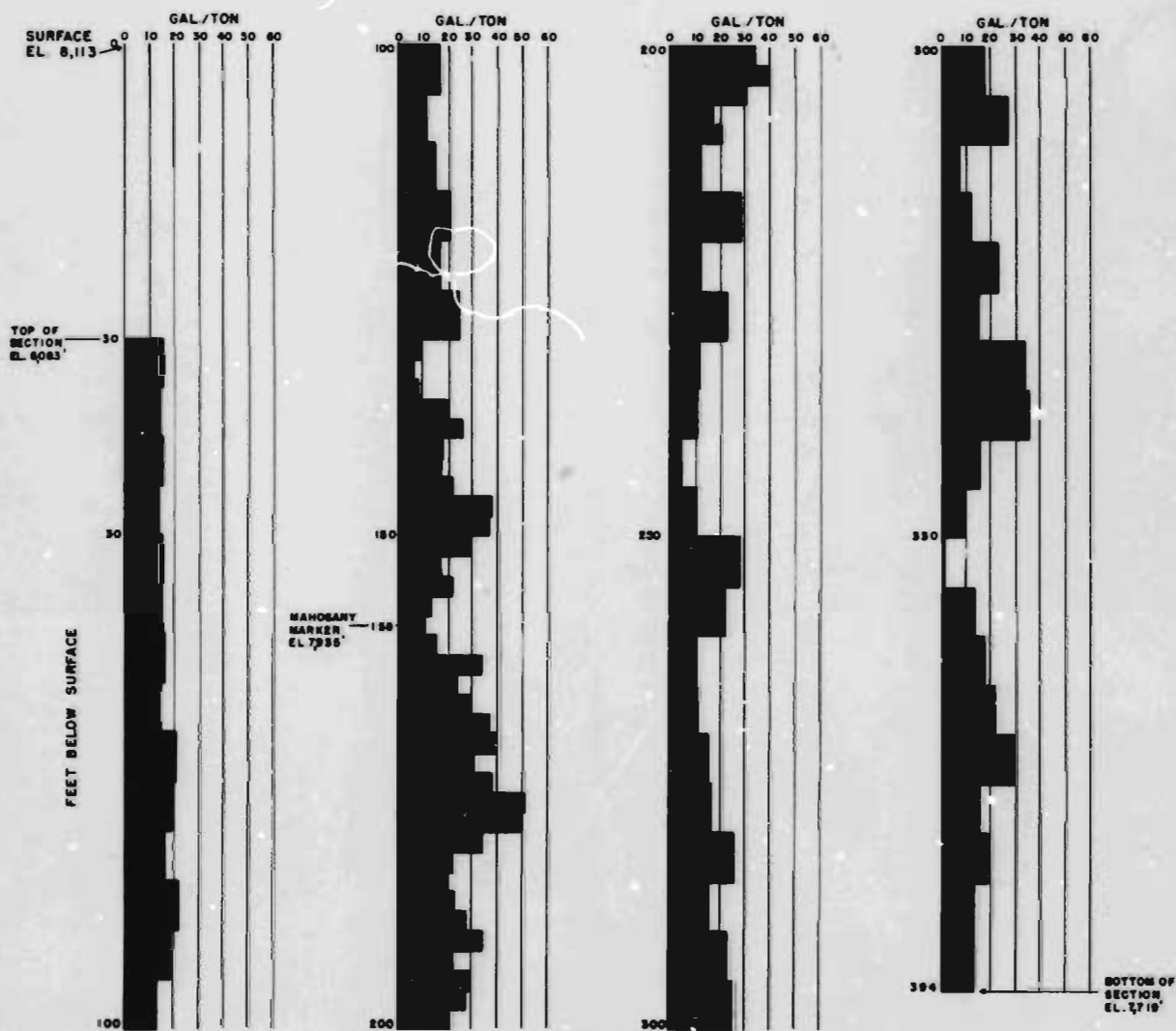


SELECTED SECTIONS						
LENGTH	FROM	TO	GAL. OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
48 FT.	516 FT.	564 FT.	30.01	89,400,000	63,880,000	2,079
92	504	596	25.17	177,000,000	106,100,000	1,802
406	190	596	15.45	837,200,000	308,000,000	1,165

CORES DRILLED IN 1981 AND 1982

Oil yields of oil-shale beds in Green River formation near Cathedral Bluffs (at a point whence N. $\frac{1}{4}$ corner, sec. 28, T. 3 S., R. 99 W. of the 6th P.M. bears N. $28^{\circ} 41'$ E., 1,146.2 ft.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 48. - Ute corehole 1, Weber Oil Co., Rio Blanco County, Colo. (see table 76).



TOTAL LENGTH OF SECTION—364 FT.

248 FT. OF PLUS-15-GALLON SHALE

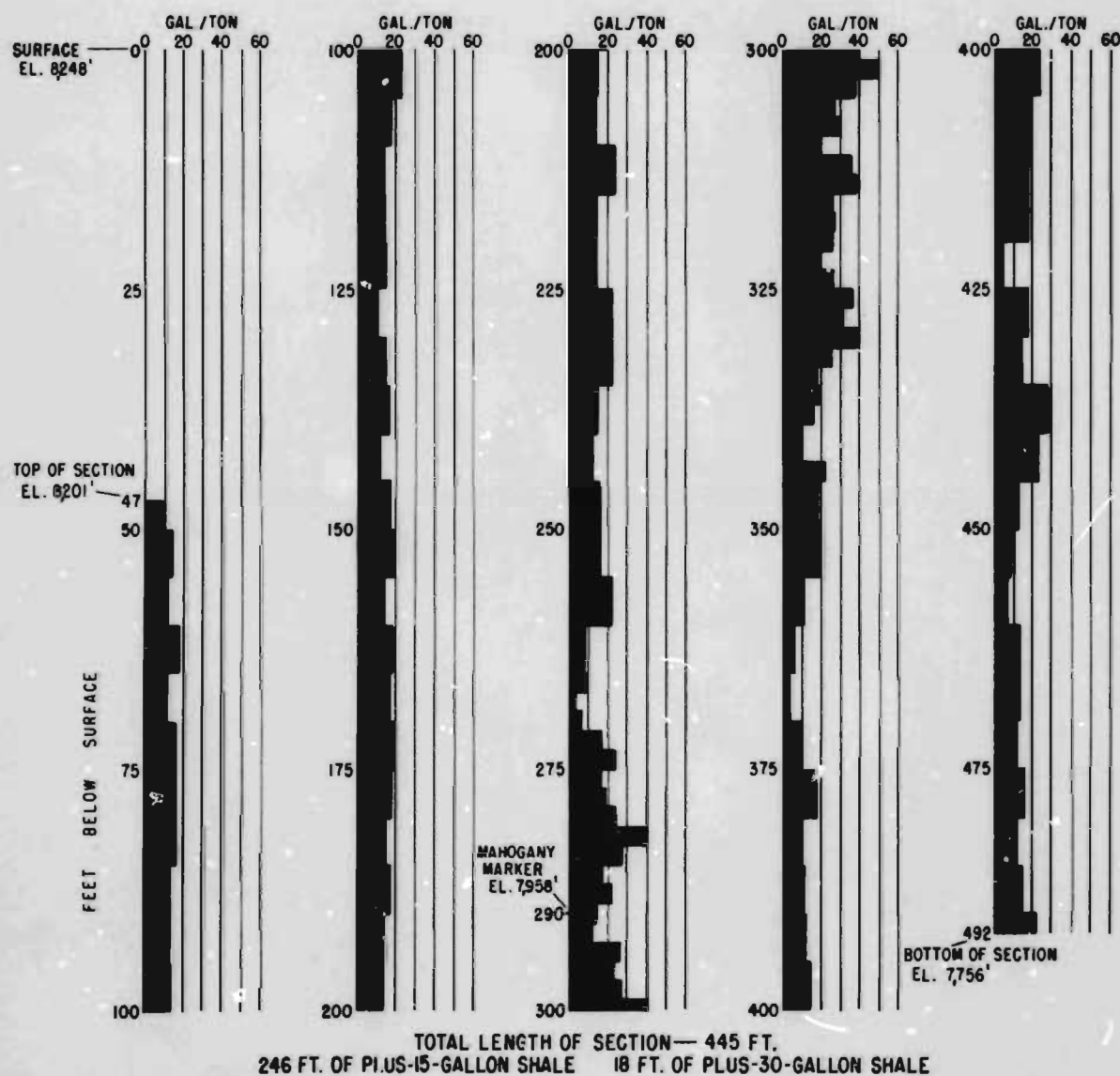
36 FT. OF PLUS-30-GALLON SHALE

SELECTED SECTIONS						
LENGTH	FROM	TO	GAL OIL/TON	TONS SHALE/SQ. MILE	BBL. OIL/SQ. MILE	BBL. OIL/ACRE-FOOT
48 FT.	162 FT.	210 FT.	30.02	89,400,000	63,900,000	2,080
92	138	230	24.98	177,200,000	105,400,000	1,790
364	30	394	18.60	733,300,000	324,700,000	1,384

CORES DRILLED IN 1951

Oil yields of oil-shale beds in Green River formation near Cathedral Bluffs (located at a point whence E. $\frac{1}{4}$ corner of sec. 33, T. 3 S., R. 99 W., bears N. $53^{\circ} 45'$ E., 230.5 ft.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 49. - Ute corehole 2, Weber Oil Co., Rio Blanco County, Colo. (see table 77).



SELECTED SECTIONS						
LENGTH	FROM	TO	GAL OIL/TON	TONS SHALE/30 MILE	BBL OIL/30 MILE	BBL OIL/ACRE-FOOT
40 FT	293 FT.	333 FT.	29.91	74,550,000	53,090,000	2,074
70	271	341	25.04	134,800,000	80,370,000	1,794
445	47	492	18.26	911,900,000	353,000,000	1,239

CORE SAMPLES DRILLED IN 1953

Oil yields of oil-shale beds in Green River formation near head of West Willow Creek (SE 1/4 SW 1/4 sec 21, T. 4 S., R. 99 W.), as indicated by modified Fischer assays at Laramie Station, Bureau of Mines.

Figure 50. - War Eagle corehole 1, Weber Oil Co., Garfield County, Colo. (see table 78).

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OIL YIELDS OF SECTIONS OF GREEN RIVER OIL SHALE IN COLORADO 1952-1954

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