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## Oil and Gas Development in Illinois in 1942

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IN 1942, Illinois produced 106,590,000 bbl. of crude oil, or 7.6 per cent of the entire amount produced in the United States. It ranked fifth among the oil-

June and to 246,000 for December. This steady decline was caused partly by the reduction in drilling resulting from Federal Conservation Order M-68 and partly

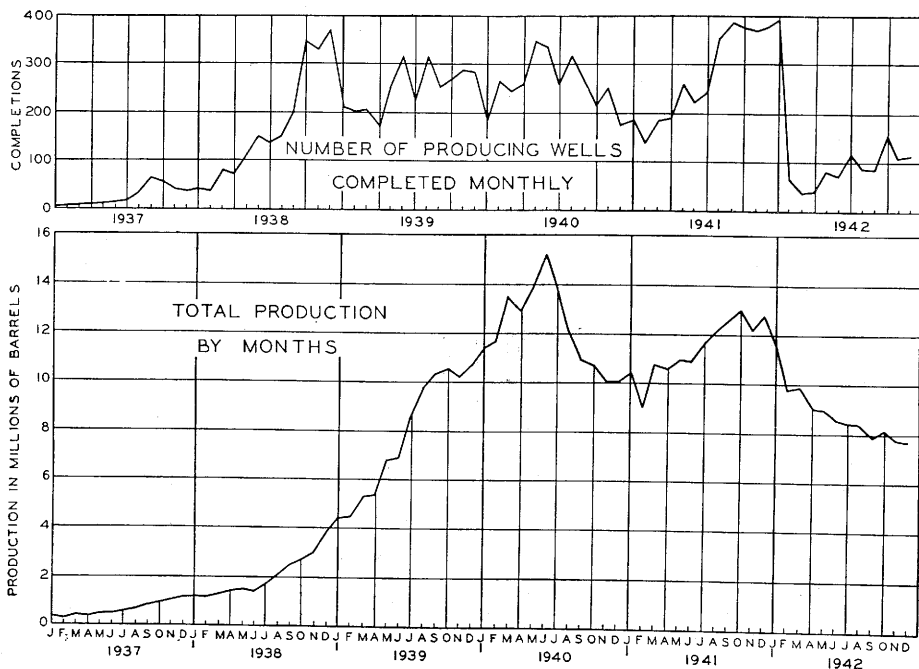


FIG. 1.—MONTHLY OIL PRODUCTION AND WELL COMPLETIONS IN ILLINOIS 1937-1942.

producing states. The production for 1942 declined 20.5 per cent from the previous year's total of 134,139,000 bbl. The daily average production for 1942 was approximately 292,000 bbl., or 74,000 bbl. less than the 366,000 daily average for 1941. At the beginning of 1942 the daily production was 367,000 bbl. This production declined steadily to 282,000 for

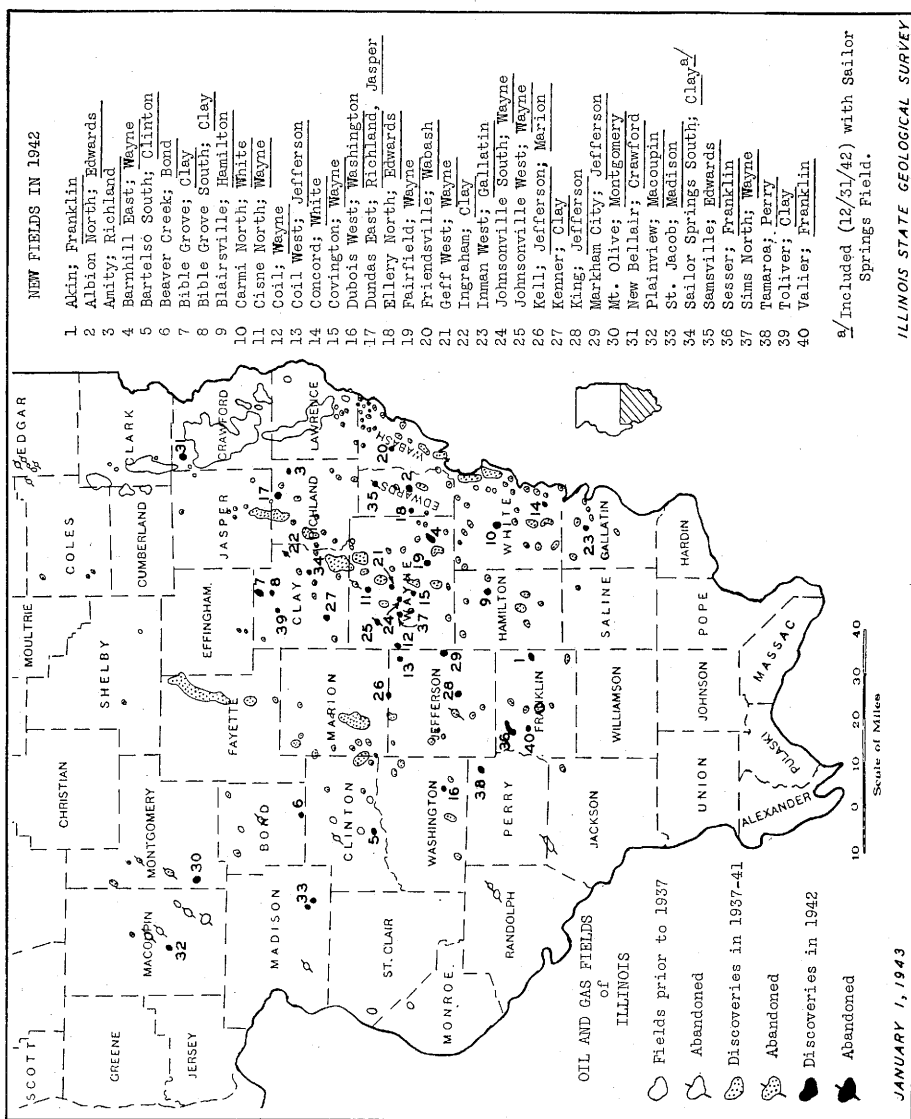
by the fact that no major pool was found during the year.

### DISCOVERIES

Forty new fields (Fig. 2, Table 2) 48 extensions (Table 3), and 45 additional producing zones in existing fields (Table 4) were discovered in 23 counties in Illinois during 1942. Of the 40 new fields, three

were abandoned before the end of 1942, 15 were one-well fields, 15 had not more than six wells, and the remaining 7 had

The average initial productions of the discovery wells of the 40 new fields amounted to 130 bbl. of oil and 23 bl



from 10 to 32 wells producing at the end of the year. In all, 200 wells were producing in these 37 fields by Jan. 5, 1943. In 1941, for contrast, 43 oil fields were discovered and 869 wells were producing in those fields at the end of that year.

of salt water. For the 43 oil discoveries of 1941 the comparable figure is 318 bbl. of oil.

In fields discovered since Jan. 1, 1937 a total of 11,404 wells were producing at the end of 1942 and this compares with 10,496 wells at the end of 1941.

## PRODUCTIVE ACREAGE

The area proved for production in the new fields (discovered since 1936)

gas producers and dry holes and the other 32 were gas-input wells, salt-water-disposal wells, and stratigraphic tests. Of

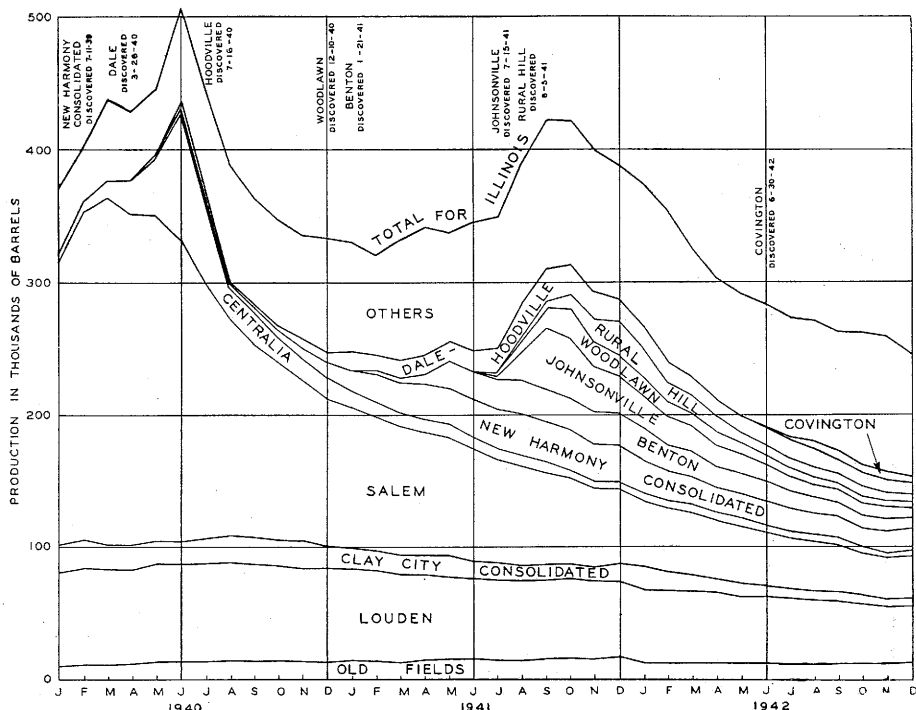


FIG. 3.—DAILY AVERAGE PRODUCTION IN ILLINOIS FOR THE YEARS 1940-1942, DIVIDED ACCORDING TO PRINCIPAL PRODUCING AREAS.

increased from 97,483 acres at the beginning of 1942 to 119,730 acres at the end of the year (Table 1), an increase of 22,247 acres, of which 4540 acres are in fields discovered during the current year and 17,707 in extensions to pools drilled earlier. In 1941 a total of 19,433 acres were added, 9955 by fields discovered during that year and 9478 by extensions to older fields. The 40 new oil fields discovered during 1942 added an average of 114 acres per field whereas the 43 discovered during 1941 added an average of 232 acres per field by the end of that year.

## DRILLING

During the past year 2048 wells were completed. Of these, 2016 were oil or

the 2016 wells drilled for oil or gas, 1166 were oil wells, 13 were gas wells and 837 were dry holes. The producers made up 58.5 per cent of the wells drilled. Of the total number drilled 549 are classified as "wildcat," and of these 88 were successful in obtaining production and 8 are either gas wells not connected to a pipe line or "edge wells," which might open new oil fields.

## EXPLORATION METHODS

The results of an investigation to ascertain the reason for the locations of the wildcat wells are set forth in Table 6. Of the 549 wildcat wells, the 408 known to have been located by scientific methods were 19 per cent successful. The total

TABLE 1.—*Oil and Gas Production in Illinois*

| Line Number | Field, County                                 | Year of Discovery | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas Wells |             |           |             |                       |
|-------------|-----------------------------------------------|-------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|--------------------------------|-------------|-----------|-------------|-----------------------|
|             |                                               |                   | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942       | During 1942 |           | End of 1942 |                       |
|             |                                               |                   |                    |                  |                            |             |                                        |             |                                | Completed   | Abandoned |             | Temporarily Shut Down |
|             |                                               |                   |                    |                  |                            |             |                                        |             |                                |             |           |             |                       |
| 1           | Warrenton-Borton, <i>Edgar</i> ...            | 1906              | 100                | 0                | 30,320                     | 120         | 0                                      | 0           | 22                             | 0           | 10        | 4           | 0                     |
| 2           | Westfield, <i>Clark, Coles</i> .....          | 1904              | 9,000              | 75               | x                          | x           | x                                      | 0           | 1,628                          | 0           | 0         | 16          | 291                   |
| 3           |                                               |                   | 850                | 75               | x                          | x           | x                                      | 0           | 186                            | 0           | 0         | y           | y                     |
| 4           |                                               |                   | 9,000              | 0                | x                          | x           | x                                      | 0           | 1,449                          | 0           | 0         | y           | y                     |
| 5           |                                               |                   | 220                | 0                | x                          | x           | x                                      | 0           | 13                             | 0           | 0         | y           | y                     |
| 6           | Siggins, <i>Cumberland, Clark</i>             | 1906              | 3,580              | 105              | x                          | x           | x                                      | 0           | 996                            | 0           | 0         | 1           | 802                   |
| 7           |                                               |                   | 3,135              | 55               | x                          | x           | x                                      | 0           | 854                            | 0           | 0         | 0           | y                     |
| 8           |                                               |                   | 435                | 15               | x                          | x           | x                                      | 0           | 90                             | 0           | 0         | 1           | y                     |
| 9           |                                               |                   | 855                | 105              | x                          | x           | x                                      | 0           | 193                            | 0           | 0         | 0           | y                     |
| 10          | York, <i>Cumberland, Clark</i> ...            | y                 | 310                | 40               | x                          | x           | x                                      | 0           | 70                             | 0           | 0         | 0           | 44                    |
| 11          | Casey, <i>Clark</i> .....                     | 1906              | 1,925              | 55               | x                          | x           | x                                      | 0           | 535                            | 0           | 0         | 0           | 488                   |
| 12          |                                               |                   | 190                | 15               | x                          | x           | x                                      | 0           | 41                             | 0           | 0         | 0           | y                     |
| 13          |                                               |                   | 400                | 0                | x                          | x           | x                                      | 0           | 82                             | 0           | 0         | 0           | y                     |
| 14          |                                               |                   | 1,525              | 15               | x                          | x           | x                                      | 0           | 322                            | 0           | 0         | 0           | y                     |
| 15          | Martinsville, <i>Clark</i> .....              | 1922              | 710                | 155              | x                          | x           | x                                      | 0           | 218                            | 1           | 0         | 0           | 115                   |
| 16          |                                               |                   | 15                 | 20               | x                          | x           | x                                      | 0           | 7                              | 0           | 0         | 0           | y                     |
| 17          |                                               |                   | 275                | 35               | x                          | x           | x                                      | 0           | 63                             | 0           | 0         | 0           | y                     |
| 18          |                                               |                   | 710                | 0                | x                          | x           | x                                      | 0           | 23                             | 0           | 0         | 0           | y                     |
| 19          |                                               |                   | 600                | 0                | x                          | x           | x                                      | 0           | 35                             | 1           | 0         | 0           | y                     |
| 20          |                                               |                   | 640                | 0                | x                          | x           | x                                      | 0           | 40                             | 0           | 0         | 0           | y                     |
| 21          |                                               |                   | 10                 | 0                | x                          | x           | x                                      | 0           | 2                              | 0           | 0         | 0           | y                     |
| 22          | North Johnson, <i>Clark</i> .....             | 1907              | 1,320              | 20               | x                          | x           | x                                      | 0           | 485                            | 0           | 0         | 0           | 433                   |
| 23          |                                               |                   | 1,115              | 0                | x                          | x           | x                                      | 0           | 296                            | 0           | 0         | 0           | y                     |
| 24          |                                               |                   | 160                | 0                | x                          | x           | x                                      | 0           | 32                             | 0           | 0         | 0           | y                     |
| 25          |                                               |                   | 820                | 5                | x                          | x           | x                                      | 0           | 177                            | 0           | 0         | 0           | y                     |
| 26          |                                               |                   | 215                | 0                | x                          | x           | x                                      | 0           | 44                             | 0           | 0         | 0           | y                     |
| 27          | South Johnson, <i>Clark</i> .....             | 1907              | 1,715              | 65               | x                          | x           | x                                      | 0           | 535                            | 0           | 0         | 0           | 469                   |
| 28          |                                               |                   | 185                | 5                | x                          | x           | x                                      | 0           | 38                             | 0           | 0         | 0           | y                     |
| 29          |                                               |                   | 295                | 0                | x                          | x           | x                                      | 0           | 59                             | 0           | 0         | 0           | y                     |
| 30          |                                               |                   | 1,675              | 35               | x                          | x           | x                                      | 0           | 402                            | 0           | 0         | 0           | y                     |
| 31          |                                               |                   | 845                | 5                | x                          | x           | x                                      | 0           | 170                            | 0           | 0         | 0           | y                     |
| 32          | Bellair, <i>Crawford, Jasper</i> ...          | 1907              | 1,300              | 5                | x                          | x           | x                                      | 0           | 486                            | 0           | 13        | 20          | 362                   |
| 33          |                                               |                   | 1,165              | 0                | x                          | x           | x                                      | 0           | 310                            | 0           | y         | y           | y                     |
| 34          |                                               |                   | 315                | 0                | x                          | x           | x                                      | 0           | 65                             | 0           | y         | y           | y                     |
| 35          |                                               |                   | 910                | 0                | x                          | x           | x                                      | 0           | 182                            | 0           | y         | y           | y                     |
| 36          | Clark County Division <sup>1</sup> ...        |                   | 19,960             | 520              | 53,491,000                 | 374,000     | x                                      | 4,953       | 1                              | 13          | 37        | 3,004       |                       |
| 37          | Main, <sup>2</sup> <i>Crawford</i> .....      | 1906              | 35,135             | 515              | x                          | x           | x                                      | 0           | 7,324                          | 0           | 58        | 53          | 4,821                 |
| 38          |                                               |                   | 340                | 0                | x                          | x           | x                                      | 0           | 68                             | 0           | 0         | 0           | y                     |
| 39          |                                               |                   | 33,795             | 510              | x                          | x           | x                                      | 0           | 7,143                          | 0           | 58        | 53          | y                     |
| 40          |                                               |                   | 1,000              | 0                | x                          | x           | x                                      | 0           | 108                            | 0           | 0         | 0           | y                     |
| 41          |                                               |                   | 10                 | 0                | x                          | x           | x                                      | 0           | 1                              | 0           | 0         | 0           | 1                     |
| 42          | New Hebron, <i>Crawford</i> ...               | 1909              | 1,350              | 210              | x                          | x           | x                                      | 0           | 297                            | 0           | 0         | 0           | 146                   |
| 43          | Chapman, <i>Crawford</i> .....                | 1914              | 1,045              | 515              | x                          | x           | x                                      | 0           | 193                            | 0           | 0         | 0           | 60                    |
| 44          | Parker, <i>Crawford</i> .....                 | 1907              | 1,310              | 30               | x                          | x           | x                                      | 0           | 256                            | 0           | 1         | 0           | 218                   |
| 45          | Allison-Weger, <i>Crawford</i> ...            | y                 | 1,075              | 20               | x                          | x           | x                                      | 0           | 148                            | 1           | 0         | 0           | 66                    |
| 46          | Flat Rock, <sup>3</sup> <i>Crawford</i> ..... | y                 | 1,375              | 545              | x                          | x           | x                                      | 0           | 289                            | 0           | 6         | 0           | 130                   |
| 47          | Birds, <i>Crawford, Lawrence</i> ...          | y                 | 4,370              | 115              | x                          | x           | x                                      | 0           | 684                            | 0           | 4         | 2           | 424                   |
| 48          | Crawford County Division <sup>4</sup>         |                   | 45,665             | 1,945            | 148,653,000                | 1,347,000   | x                                      | 9,191       | 1                              | 69          | 55        | 5,866       |                       |
| 49          | Lawrence, <i>Lawrence, Crawford</i>           | 1906              | 24,150             | 1,550            | x                          | x           | x                                      | 0           | 4,415                          | 2           | 42        | 23          | 3,155                 |
| 50          |                                               |                   | 50                 | 0                | x                          | x           | x                                      | 0           | 5                              | 0           | y         | y           | 5                     |

<sup>b</sup> Footnotes to column heads and explanation of symbols are given on page 36.<sup>1</sup> Total of lines 2, 6, 10, 11, 15, 22, 27, 32.<sup>2</sup> Includes Kibbie, Oblong, Robinson and Hardinsville.<sup>3</sup> Includes Swearingen gas.<sup>6</sup> Total of lines 37, 42, 43, 44, 45, 46, 47.

TABLE 1.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                 | Reservoir Pressure, <sup>4</sup> Lb. per Sq. In. | Character of Oil | Producing Formation  |                  |                        |                       |                 |                     |                        |          |                    |                         | Deepest Zone Tested to End of 1942 |  |
|-------------|-------------------------------------|-----------------|--------------------------------------------------|------------------|----------------------|------------------|------------------------|-----------------------|-----------------|---------------------|------------------------|----------|--------------------|-------------------------|------------------------------------|--|
|             | Number of Wells                     |                 |                                                  |                  | Name                 | Age <sup>a</sup> | Character <sup>f</sup> | Porosity <sup>g</sup> | Depth, Avg. Ft. |                     | Structure <sup>h</sup> | Name     | Depth of Hole, Ft. |                         |                                    |  |
|             | Flowing                             | Artificial Lift |                                                  |                  |                      |                  |                        |                       | Top Prod. Zone  | Bottoms Prod. Wells |                        |          |                    | Net Thickness, Avg. Ft. |                                    |  |
| 1           | 0                                   | 0               | z                                                |                  | Unnamed              | Pen              | S                      | Por                   | 159             | 215                 | z                      | ML       | Pen                | 715                     |                                    |  |
| 2           | 0                                   | 291             | 293±                                             |                  | See below            |                  |                        |                       |                 |                     |                        |          | St. Peter          | 3,009                   |                                    |  |
| 3           | 0                                   | y               | z                                                |                  | Shallow gas          | Pen              | S                      | Por                   | 281             | 376                 | 36                     | D        |                    |                         |                                    |  |
| 4           | 0                                   | y               | z                                                |                  | Westfield            | MisL             | L                      | Cav                   | 334             | 446                 | z                      | D        |                    |                         |                                    |  |
| 5           | 0                                   | 802             | z                                                |                  | "Trenton"            | Ord              | L                      | Por                   | 2,265           | 2,568               | z                      | D        |                    |                         |                                    |  |
| 6           | 0                                   | y               | z                                                | RP               | See below            |                  |                        |                       |                 |                     |                        |          | Dev                | 2,010                   |                                    |  |
| 7           | 0                                   | y               | z                                                |                  | First Siggins        | Pen              | S                      | Por                   | 367             | 465                 | z                      | D        |                    |                         |                                    |  |
| 8           | 0                                   | y               | z                                                |                  | 2nd and 3rd Siggins  | Pen              | S                      | Por                   | 478             | 562                 | z                      | D        |                    |                         |                                    |  |
| 9           | 0                                   | y               | z                                                |                  | Lower Siggins        | Pen              | S                      | Por                   | 556             | 590                 | z                      | D        |                    |                         |                                    |  |
| 10          | 0                                   | 44              | z                                                |                  | York                 | Pen              | S                      | Por                   | 588             | 680                 | z                      | AM       | Pen                | 960                     |                                    |  |
| 11          | 0                                   | 488             | z                                                | RP               | See below            |                  |                        |                       |                 |                     |                        | AM       | MisL               | 808                     |                                    |  |
| 12          | 0                                   | y               | z                                                |                  | Upper gas            | Pen              | S                      | Por                   | 263             | 358                 | z                      | AM       |                    |                         |                                    |  |
| 13          | 0                                   | y               | z                                                |                  | Lower gas            | Pen              | S                      | Por                   | 309             | 426                 | z                      | AM       |                    |                         |                                    |  |
| 14          | 0                                   | y               | z                                                |                  | Casey                | Pen              | S                      | Por                   | 444             | 505                 | z                      | AM       |                    |                         |                                    |  |
| 15          | 0                                   | 115             | z                                                |                  | See below            |                  |                        |                       |                 |                     |                        | D        | St. Peter          | 3,411                   |                                    |  |
| 16          | 0                                   | y               | z                                                |                  | Shallow              | Pen              | S                      | Por                   | 255             | 411                 | z                      | D        |                    |                         |                                    |  |
| 17          | 0                                   | y               | z                                                |                  | Casey                | Pen              | S                      | Por                   | 499             | 511                 | z                      | D        |                    |                         |                                    |  |
| 18          | 0                                   | y               | z                                                |                  | Martinsville         | MisL             | L                      | Por                   | 477             | 506                 | z                      | D        |                    |                         |                                    |  |
| 19          | 0                                   | y               | z                                                |                  | Carper               | MisL             | S                      | Por                   | 1,340           | 1,418               | z                      | D        |                    |                         |                                    |  |
| 20          | 0                                   | y               | z                                                |                  | "Niagaran"           | Dev              | L                      | Por                   | 1,553           | 1,596               | z                      | D        |                    |                         |                                    |  |
| 21          | 0                                   | y               | z                                                |                  | "Trenton"            | Ord              | L                      | Por                   | 2,708           | 2,830               | z                      | D        |                    |                         |                                    |  |
| 22          | 0                                   | 433             | z                                                |                  | See below            |                  |                        |                       |                 |                     |                        | AM       | Mis                | 965                     |                                    |  |
| 23          | 0                                   | y               | z                                                |                  | Claypool             | Pen              | S                      | Por                   | 416             | 486                 | z                      | AM       |                    |                         |                                    |  |
| 24          | 0                                   | y               | z                                                |                  | Shallow              | Pen              | S                      | Por                   | 314             | 451                 | z                      | AM       |                    |                         |                                    |  |
| 25          | 0                                   | y               | z                                                |                  | Casey                | Pen              | S                      | Por                   | 465             | 508                 | z                      | AM       |                    |                         |                                    |  |
| 26          | 0                                   | y               | z                                                |                  | Upper Partlow        | Pen              | S                      | Por                   | 534             | 554                 | z                      | AM       |                    |                         |                                    |  |
| 27          | 0                                   | 469             | z                                                |                  | See below            |                  |                        |                       |                 |                     |                        | AM       | Dev                | 2,030                   |                                    |  |
| 28          | 0                                   | y               | z                                                |                  | Claypool             | Pen              | S                      | Por                   | 392             | 549                 | z                      | AM       |                    |                         |                                    |  |
| 29          | 0                                   | y               | z                                                |                  | Casey                | Pen              | S                      | Por                   | 453             | 518                 | z                      | AM       |                    |                         |                                    |  |
| 30          | 0                                   | y               | z                                                |                  | Upper Partlow        | Pen              | S                      | Por                   | 489             | 570                 | z                      | AM       |                    |                         |                                    |  |
| 31          | 0                                   | y               | z                                                |                  | Lower Partlow        | Pen              | S                      | Por                   | 598             | 618                 | z                      | AM       |                    |                         |                                    |  |
| 32          | 0                                   | 375             | z                                                | RP               | See below            |                  |                        |                       |                 |                     |                        | AM       | MisL               | 1,471                   |                                    |  |
| 33          | 0                                   | y               | z                                                |                  | "500 Ft."            | Pen              | S                      | Por                   | 561             | 725                 | z                      | AM       |                    |                         |                                    |  |
| 34          | 0                                   | y               | z                                                |                  | "800 Ft."            | Pen              | S                      | Por                   | 817             | 907                 | z                      | AM       |                    |                         |                                    |  |
| 35          | 0                                   | y               | z                                                |                  | "900 Ft."            | MisU             | S                      | Por                   | 886             | 920                 | z                      | AM       |                    |                         |                                    |  |
| 36          | 0                                   | 3,017           | z                                                |                  |                      |                  |                        |                       |                 |                     |                        |          | St. Peter          | 4,654                   |                                    |  |
| 37          | 0                                   | 4,821           | 425±                                             | RP               | See below            |                  |                        |                       |                 |                     |                        |          |                    |                         |                                    |  |
| 38          | 0                                   | y               | z                                                |                  | Shallow              | Pen              | S                      | Por                   | 508             | 822                 | z                      | ML       |                    |                         |                                    |  |
| 39          | 0                                   | y               | z                                                |                  | Robinson             | Pen              | S                      | Por                   | 900             | 960                 | 25±                    | ML       |                    |                         |                                    |  |
| 40          | 0                                   | y               | z                                                |                  | Oblong               | Mis              | SL                     | Por                   | 1,337           | 1,416               | z                      | A,<br>ML |                    |                         |                                    |  |
| 41          | 0                                   | 1               | z                                                |                  | Devonian             | Dev              | L                      | Por                   | 2,794           | 2,805               | 11                     | ML       |                    |                         |                                    |  |
| 42          | 0                                   | 146             | z                                                | RP               | Robinson             | Pen              | S                      | Por                   | 940             | 975                 | z                      | ML       | Mis                | 2,056                   |                                    |  |
| 43          | 0                                   | 60              | z                                                |                  | Robinson             | Pen              | S                      | Por                   | 995             | 1,015               | z                      | ML       | Pen                | 2,279                   |                                    |  |
| 44          | 0                                   | 219             | z                                                |                  | Robinson             | Pen              | S                      | Por                   | 1,000           | 1,025               | z                      | ML       | Pen                | 1,127                   |                                    |  |
| 45          | 0                                   | 66              | z                                                |                  | Robinson             | Pen              | S                      | Por                   | 912             | 930                 | z                      | ML       | Pen                | 1,041                   |                                    |  |
| 46          | 0                                   | 130             | z                                                | RP               | Robinson (Flat Rock) | Pen              | S                      | Por                   | 935             | 945                 | z                      | ML       | Dev                | 3,110                   |                                    |  |
| 47          | 0                                   | 424             | z                                                | RP               | Robinson             | Pen              | S                      | Por                   | 930             | 950                 | z                      | ML       | MisL               | 1,731                   |                                    |  |
| 48          | 0                                   | 5,866           | 425±                                             |                  |                      |                  |                        |                       |                 |                     |                        |          | St. Peter          | 4,654                   |                                    |  |
| 49          | 0                                   | 3,155           | 650±                                             | RP               | See below            |                  |                        |                       |                 |                     |                        | A        | St. Peter          | 5,190                   |                                    |  |
| 50          | 0                                   | 5               | z                                                |                  | Pennsylvanian        | Pen              | S                      | Por                   | 290             | 320                 | z                      | A        |                    |                         |                                    |  |

<sup>4</sup> Pressures in Southeastern Illinois oil fields are estimated bottom hole pressures reported in previous Survey publications.<sup>5</sup> All gravities given prior to 1936 (except those in parentheses) were from data for the year 1925 furnished by the Illinois Pipe Line Co. Gravities in parentheses are for particular samples (see Illinois State Geol. Survey Bull. 54, Table 3). The values have been converted from Baume to A.P.I. gravities.

TABLE 1.—(Continued)

| Line Number | Field, County                                  | Year of Discovery  | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas |             |           |                       |
|-------------|------------------------------------------------|--------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|--------------------------|-------------|-----------|-----------------------|
|             |                                                |                    | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942 | During 1942 |           |                       |
|             |                                                |                    |                    |                  |                            |             |                                        |             |                          | Completed   | Abandoned | Temporarily Shut Down |
| 51          |                                                |                    | 5,015              | 35               | x                          | x           | x                                      | x           | 1,233                    | 0           | y         | y                     |
| 52          |                                                |                    | 2,240              | 0                | x                          | x           | x                                      | x           | 476                      | 0           | y         | y                     |
| 53          |                                                |                    | 345                | 1,095            | x                          | x           | x                                      | x           | 243                      | 0           | y         | y                     |
| 54          |                                                |                    | 15,960             | 220              | x                          | x           | x                                      | x           | 3,017                    | 0           | y         | y                     |
| 55          |                                                |                    | 4,020              | 200              | x                          | x           | x                                      | x           | 693                      | 2           | y         | y                     |
| 56          |                                                |                    | 6,950              | 0                | x                          | x           | x                                      | x           | 959                      | 0           | y         | y                     |
| 57          | St. Francisville, Lawrence.                    |                    | 420                | 0                | x                          | x           | x                                      | x           | 55                       | 0           | 0         | 0                     |
| 58          | Lawrence County Division <sup>7</sup>          |                    | 24,570             | 1,550            | 229,523,000                | 1,733,000   | x                                      | x           | 4,470                    | 2           | 42        | 23                    |
| 59          | Allendale, Wabash.....                         | 1912               | 2,100              | 0                | 5,530,000                  | 424,000     | x                                      | x           | 503                      | 30          | 1         | 3                     |
| 60          |                                                |                    | y                  | 0                | x                          | x           | x                                      | x           | 448                      | 18          | 0         | 0                     |
| 61          |                                                |                    | y                  | 0                | x                          | x           | x                                      | x           | 3                        | 0           | 1         | 2                     |
| 62          |                                                |                    | y                  | 0                | x                          | x           | x                                      | x           | 5                        | 2           | 0         | 0                     |
| 63          |                                                |                    | y                  | 0                | x                          | x           | x                                      | x           | 6                        | 0           | 0         | 0                     |
| 64          |                                                |                    | y                  | 0                | x                          | x           | x                                      | x           | 32                       | 9           | 0         | 1                     |
| 65          |                                                |                    | y                  | 0                | x                          | x           | x                                      | x           | 8                        | 1           | 0         | 0                     |
| 66          | Total Southeastern Fields <sup>8</sup>         |                    | 92,275             | 3,970            | 437,227,320                | 3,878,120   | x                                      | x           | 19,139                   | 34          | 135       | 122                   |
| 67          | Ayers gas, Bond.....                           | 1922               | 0                  | 325              | 0                          | 0           | 221.2                                  | 13.4        | 20                       | 1           | 0         | 0                     |
| 68          | Greenville gas, Bond.....                      | 1910 <sup>9</sup>  | 0                  | 160              | 0                          | 0           | 990.0                                  | 0           | 4                        | 0           | 0         | 0                     |
| 69          | Bartelso, Clinton.....                         | 1936               | 580                | 0                | 1,202,000                  | 185,000     | 0                                      | 0           | 72                       | 0           | 0         | 4                     |
| 70          |                                                |                    | 320                | 0                | 782,000                    | 105,000     | 0                                      | 0           | 47                       | 0           | 0         | 1                     |
| 71          |                                                |                    | 230                | 0                | 420,000                    | 80,000      | 0                                      | 0           | 25                       | 0           | 0         | 3                     |
| 72          | Carlyle, Clinton.....                          | 1911               | 915                | 0                | 3,451,000                  | 23,000      | 0                                      | 0           | 165                      | 0           | 45        | 10                    |
| 73          | Frogtown, Clinton.....                         | 1918 <sup>10</sup> | 300                | 0                | x                          | 0           | 0                                      | 0           | 12                       | 0           | 0         | 0                     |
| 74          | Ava-Campbell Hill, Jackson                     | 1917 <sup>11</sup> | 70                 | 370              | x                          | 0           | x                                      | 0           | 35                       | 0           | 0         | 0                     |
| 75          | Colmar-Plymouth, McDonough, Hancock            | 1914               | 2,450              | 0                | 2,894,000                  | 107,000     | 0                                      | 0           | 486                      | 1           | 0         | 71                    |
| 76          | Carlinville, Macoupin.....                     | 1909 <sup>12</sup> | 30                 | 50               | x                          | 1,000       | x                                      | 0           | 8                        | 0           | 0         | 4                     |
| 77          | Gillespie-Bend gas, Macoupin                   | 1923 <sup>13</sup> | 0                  | 80               | 0                          | 0           | 135.8                                  | 0           | 4                        | 0           | 0         | 0                     |
| 78          | Gillespie-Wyen, Macoupin                       | 1915               | 40                 | 0                | x                          | 1,000       | 0                                      | 0           | 22                       | 0           | 0         | 4                     |
| 79          | Spanish Needle Creek, Macoupin                 | 1915 <sup>14</sup> | 0                  | 80               | 0                          | 0           | 14.4                                   | 0           | 7                        | 0           | 0         | 0                     |
| 80          | Staunton gas, Macoupin...                      | 1916 <sup>15</sup> | 0                  | 400              | 0                          | 0           | 1,050.0                                | 0           | 18                       | 0           | 0         | 0                     |
| 81          | Collinsville, Madison.....                     | 1909 <sup>16</sup> | 40                 | 0                | 850                        | 0           | 0                                      | 0           | 6                        | 0           | 0         | 0                     |
| 82          | Brown-Langewisch Kuester-Junction City, Marion | 1910               | 175                | 0                | x                          | x           | 0                                      | 0           | 13                       | 3           | 0         | 0                     |
| 83          |                                                |                    | 60                 | 0                | x                          | x           | 0                                      | 0           | 7                        | 1           | 0         | 0                     |
| 84          |                                                |                    | 115                | 0                | x                          | x           | 0                                      | 0           | 6                        | 2           | 0         | 0                     |
| 85          | Sandoval, Marion.....                          | 1909               | 770                | 0                | 4,894,000                  | 263,000     | 0                                      | 0           | 150                      | 0           | 3         | 0                     |
| 86          |                                                |                    | 770                | 0                | 2,695,000                  | 5,000       | 0                                      | 0           | 123                      | 0           | 3         | 0                     |
| 87          |                                                |                    | 380                | 0                | 2,199,000                  | 258,000     | 0                                      | 0           | 27                       | 0           | 0         | 0                     |
| 88          | Wamac, Marion, Clinton, Washington             | 1921               | 250                | 0                | 456,000                    | 17,000      | 0                                      | 0           | 106                      | 2           | 0         | 5                     |
| 89          | Litchfield, Montgomery....                     | 1879 <sup>17</sup> | 100                | 0                | 22,300                     | 300         | 0                                      | 0           | 18                       | 0           | 0         | 1                     |
| 90          | Waterloo, Monroe.....                          | 1920 <sup>18</sup> | 230                | 0                | 220,000                    | 6,000       | 0                                      | 0           | 41                       | 0           | 0         | 12                    |
| 91          | Jacksonville gas, Morgan...                    | 1910 <sup>19</sup> | 30                 | 1,290            | 2,100                      | 0           | x                                      | 0           | 53                       | 0           | 0         | 0                     |
| 92          | Pittsfield (Pike County) gas                   | 1886 <sup>20</sup> | 0                  | 8,960            | 0                          | 0           | x                                      | 0           | 68                       | 0           | 0         | 0                     |
| 93          | Sparta, Randolph.....                          | 1888 <sup>21</sup> | 65                 | 100              | x                          | 0           | x                                      | 0           | 20                       | 0           | 0         | 0                     |

<sup>7</sup> Total of lines 49 and 57.<sup>8</sup> Total of lines 1, 36, 48, 58, 59.<sup>9</sup> Abandoned 1923.<sup>10</sup> Abandoned 1933.<sup>11</sup> Abandoned 1934.<sup>12</sup> Abandoned 1925, revived 1942.<sup>13</sup> Abandoned 1935.<sup>14</sup> Abandoned 1934.<sup>15</sup> Abandoned 1919.<sup>16</sup> Abandoned 1921.<sup>17</sup> Abandoned 1904, revived 1942.<sup>18</sup> Abandoned 1930, revived 1939.<sup>19</sup> Abandoned 1937.<sup>20</sup> Gas not used until 1905; abandoned 1930.<sup>21</sup> Abandoned 1900.

TABLE 1.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                 | Reservoir Pressure, <sup>1</sup> Lb. per Sq. In. |                     | Repressuring Operation <sup>d</sup> | Character of Oil                                       |                   | Producing Formation |                  |                        |                       |                 |                     |                         |                        |           |                    | Deepest Zone Tested to End of 1942 |  |
|-------------|-------------------------------------|-----------------|--------------------------------------------------|---------------------|-------------------------------------|--------------------------------------------------------|-------------------|---------------------|------------------|------------------------|-----------------------|-----------------|---------------------|-------------------------|------------------------|-----------|--------------------|------------------------------------|--|
|             | Number of Wells                     |                 | Initial                                          | Avg. at End of 1942 |                                     | Gravity A.P.I. at 60°F., Weighted Average <sup>b</sup> | Sulphur, Per Cent | Name                | Age <sup>c</sup> | Character <sup>f</sup> | Porosity <sup>g</sup> | Depth, Avg. Ft. |                     | Net Thickness, Avg. Ft. | Structure <sup>h</sup> | Name      | Depth of Hole, Ft. |                                    |  |
|             | Flowing                             | Artificial Lift |                                                  |                     |                                     |                                                        |                   |                     |                  |                        |                       | Top Prod. Zone  | Bottoms Prod. Wells |                         |                        |           |                    |                                    |  |
| 51          | 0                                   | y               | z                                                | z                   | RP                                  | y                                                      | z                 | Bridgeport          | Pen              | S                      | Por                   | 800             | 1,000               | 40                      | A                      |           |                    |                                    |  |
| 52          | 0                                   | y               | z                                                | z                   |                                     | y                                                      | z                 | Buchanan            | Pen              | S                      | Por                   | 1,250           | 1,265               | 15                      | A                      |           |                    |                                    |  |
| 53          | 0                                   | y               | z                                                | z                   |                                     | y                                                      | z                 | "Gas"               | MisU             | S                      | Por                   | 1,330           | 1,345               | 15                      | A                      |           |                    |                                    |  |
| 54          | 0                                   | y               | 600±                                             | z                   |                                     | y                                                      | z                 | Kirkwood            | MisU             | S                      | Por                   | 1,400           | 1,430               | 30                      | A                      |           |                    |                                    |  |
| 55          | 0                                   | y               | 650±                                             | z                   |                                     | y                                                      | z                 | Tracey              | MisU             | S                      | Por                   | 1,560           | 1,580               | 20                      | A                      |           |                    |                                    |  |
| 56          | 0                                   | y               | z                                                | z                   |                                     | y                                                      | z                 | McClosky            | MisL             | S                      | Por                   | 1,700           | 1,710               | 10                      | A                      |           |                    |                                    |  |
| 57          | 0                                   | 30              | 600                                              | z                   |                                     | 37.3                                                   | z                 | Bethel              | MisU             | S                      | Por                   | 1,843           | 1,865               | 22                      | ML                     | Mis       | 1,900              |                                    |  |
| 58          | 0                                   | 3,185           | z                                                | z                   |                                     |                                                        |                   |                     |                  |                        |                       |                 |                     |                         | AM                     | St. Peter | 5,190              |                                    |  |
| 59          | 0                                   | 278             | z                                                | z                   |                                     |                                                        |                   |                     |                  |                        |                       |                 |                     |                         |                        | MisL      | 2,367              |                                    |  |
| 60          | 0                                   | 227             | z                                                | z                   |                                     | 35.1                                                   | z                 | Biehl               | Pen              | S                      | Por                   | 1,425           | 1,460               | 20                      |                        |           |                    |                                    |  |
| 61          | 0                                   | 0               | z                                                | z                   |                                     | y                                                      | z                 | Waltersburg         | MisU             | S                      | Por                   | 1,540           | 1,560               | 15                      |                        |           |                    |                                    |  |
| 62          | 0                                   | 5               | z                                                | z                   |                                     | y                                                      | z                 | Tar Springs         | MisU             | S                      | Por                   | 1,620           | 1,640               | 20                      |                        |           |                    |                                    |  |
| 63          | 0                                   | 6               | z                                                | z                   |                                     | y                                                      | z                 | Cypress             | MisU             | S                      | Por                   | 1,920           | 1,930               | 10                      |                        |           |                    |                                    |  |
| 64          | 0                                   | 32              | z                                                | z                   |                                     | y                                                      | z                 | Bethel              | MisU             | S                      | Por                   | 2,010           | 2,020               | 9                       |                        |           |                    |                                    |  |
| 65          | 0                                   | 8               | 900                                              | z                   |                                     | y                                                      | z                 | McClosky            | MisL             | L                      | Por                   | 2,280           | 2,290               | 8                       |                        |           |                    |                                    |  |
| 66          | 0                                   | 12,333          | z                                                | z                   |                                     |                                                        |                   |                     |                  |                        |                       |                 |                     |                         |                        |           |                    |                                    |  |
| 67          | 0                                   | 8               | 335                                              | y                   |                                     |                                                        |                   | Bethel              | MisU             | S                      | Por                   | 940             | 945                 | 5                       | A                      | Dev       | 2,181              |                                    |  |
| 68          | 0                                   | 0               | z                                                | z                   |                                     |                                                        |                   | Lindley (1st., 2d)  | MisU             | S                      | Por                   | 927             | 993                 | z                       | A                      | Dev       | 2,290              |                                    |  |
| 69          | 0                                   | 66              | z                                                | z                   |                                     | 36.2                                                   | 0.20              |                     |                  |                        |                       |                 |                     |                         | D                      | St. Peter | 4,213              |                                    |  |
| 70          | 0                                   | 44              | z                                                | z                   |                                     | 41.5                                                   | 0.27              | Carlyle             | MisU             | S                      | Por                   | 984             | 1,008               | 24                      | D                      |           |                    |                                    |  |
| 71          | 0                                   | 22              | z                                                | z                   |                                     | 35.2                                                   | 0.26              | Devonian            | Dev              | L                      | Por                   | 2,429           | 2,447               | 9                       | D                      |           |                    |                                    |  |
| 72          | 0                                   | 88              | z                                                | z                   |                                     | 31.9                                                   | z                 | Carlyle             | MisU             | S                      | Por                   | 1,035           | 1,055               | 20                      | A                      | St. Peter | 4,120              |                                    |  |
| 73          | 0                                   | 0               | z                                                | z                   |                                     | 31.9                                                   | z                 | Carlyle             | MisU             | S                      | Por                   | 950             | 957                 | 7                       | D                      | Cypress   | 962                |                                    |  |
| 74          | 0                                   | 0               | z                                                | z                   |                                     | z                                                      | z                 | Cypress             | MisU             | S                      | Por                   | 780             | 798                 | 18                      | A                      | Dev       | 2,530              |                                    |  |
| 75          | 0                                   | 219             | z                                                | z                   | RP                                  | 37.6                                                   | 0.38              | Hoing               | Dev              | S                      | Por                   | 447             | 468                 | 21                      | A                      | "Trenton" | 805                |                                    |  |
| 76          | 0                                   | 0               | 135                                              | z                   |                                     | 27.7                                                   | z                 | Unnamed             | Pen              | S                      | Por                   | 380             | 398                 | z                       | A                      | Pen       | 410                |                                    |  |
| 77          | 0                                   | 0               | 155                                              | z                   |                                     |                                                        |                   | Unnamed             | Pen              | S                      | Por                   | 542             | 555                 | z                       | A                      | Pen       | 575                |                                    |  |
| 78          | 0                                   | 8               | z                                                | z                   |                                     | 30.0                                                   | z                 | Unnamed             | Pen              | S                      | Por                   | 650             | 670                 | z                       | T                      | "Trenton" | 2,560              |                                    |  |
| 79          | 0                                   | 0               | z                                                | z                   |                                     |                                                        |                   | Unnamed             | Pen              | S                      | Por                   | 305             | 405                 | z                       | D                      | Pen       | 495                |                                    |  |
| 80          | 0                                   | 0               | 145                                              | z                   |                                     |                                                        |                   | Unnamed             | Pen              | S                      | Por                   | 461             | 491                 | z                       | A                      | "Trenton" | 2,371              |                                    |  |
| 81          | 0                                   | 0               | z                                                | z                   |                                     | z                                                      | z                 | Devonian-Silurian   | Dev-Sil          | L                      | Por                   | 1,305           | 1,400               | 20                      | ML                     | Sil       | 1,500              |                                    |  |
| 82          | 0                                   | 12              | z                                                | z                   |                                     |                                                        |                   |                     |                  |                        |                       |                 |                     |                         |                        |           |                    |                                    |  |
| 83          | 0                                   | 6               | z                                                | z                   |                                     | 32.0                                                   | z                 | Dykstra, Wilson     | Pen              | S                      | Por                   | 610             | 630                 | 20                      | D                      | MisL      | 2,001              |                                    |  |
| 84          | 0                                   | 6               | z                                                | z                   |                                     | 32.0                                                   | z                 | Cypress             | MisU             | S                      | Por                   | 1,658           | 1,673               | 15                      | D                      | Dev       | 3,344              |                                    |  |
| 85          | 0                                   | 25              | z                                                | z                   |                                     |                                                        |                   |                     |                  |                        |                       |                 |                     |                         | D                      | St. Peter | 5,023              |                                    |  |
| 86          | 0                                   | 8               | z                                                | z                   |                                     | 34.5                                                   | z                 | Benoist             | MisU             | S                      | Por                   | 1,540           | 1,560               | 20±                     | D                      |           |                    |                                    |  |
| 87          | 0                                   | 17              | z                                                | z                   |                                     | 38.0                                                   | 0.38              | Devonian            | Dev              | L                      | Por                   | 2,924           | 2,969               | 9                       | D                      |           |                    |                                    |  |
| 88          | 0                                   | 27              | z                                                | z                   |                                     | 30.2                                                   | z                 | Petro               | Pen              | S                      | Por                   | 720             | 760                 | 20                      | D                      | MisL      | 1,760              |                                    |  |
| 89          | 0                                   | 0               | z                                                | z                   |                                     | 23.0                                                   | 0.42              | Unnamed             | Pen              | S                      | Por                   | 664             | 674                 | z                       | D                      | Pen       | 681                |                                    |  |
| 90          | 0                                   | 0               | z                                                | z                   |                                     | 30.2                                                   | 0.79              | "Trenton"           | Ord              | L                      | Por                   | 410             | 460                 | 50                      | A                      | "Trenton" | 845                |                                    |  |
| 91          | 0                                   | 0               | z                                                | z                   |                                     | z                                                      | z                 | Gas                 | Pen, MisL        | S, SL                  | Por                   | 330             | 335                 | 5                       | ML                     | "Trenton" | 1,390              |                                    |  |
| 92          | 0                                   | 0               | z                                                | z                   |                                     |                                                        |                   | "Niagaran"          | Sil              | L                      | Por                   | 265             | 275                 | 10                      | A                      | St. Peter | 893                |                                    |  |
| 93          | 0                                   | 0               | z                                                | z                   |                                     | z                                                      | z                 | Cypress             | MisU             | S                      | Por                   | 850             | 857                 | 7                       | D                      | MisU      | 985                |                                    |  |

TABLE I.—(Continued)

| Line Number | Field, County                                                   | Year of Discovery  | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas |             |           |                       |
|-------------|-----------------------------------------------------------------|--------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|--------------------------|-------------|-----------|-----------------------|
|             |                                                                 |                    | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942 | During 1942 |           | End 1942              |
|             |                                                                 |                    |                    |                  |                            |             |                                        |             |                          | Completed   | Abandoned | Temporarily Shut Down |
| 94          | Dupo, St. Clair.....                                            | 1928               | 670                | 0                | 1,851,000                  | 272,000     | x                                      | 0           | 295                      | 5           | 1         | 2                     |
| 95          | Total for fields discovered prior to Jan. 1, 1937 <sup>22</sup> |                    | 99,020             | 15,835           | 452,286,420                | 4,753,420   | 2,401                                  | 13.4        | 20,762                   | 46          | 185       | 230                   |
| 96          | Beaver Creek, Bond.....                                         | 1942               | 30                 | 0                | 3,000                      | 3,000       | 0                                      | 0           | 2                        | 2           | 0         | 0                     |
| 97          | Sorento, Bond.....                                              | 1938               | 30                 | 0                | 4,000                      | 0           | 0                                      | 0           | 3                        | 0           | 0         | 1                     |
| 98          | Woburn, Bond.....                                               | 1940               | 210                | 0                | 343,000                    | 86,000      | 0                                      | 0           | 28                       | 1           | 0         | 0                     |
| 99          | Bible Grove, Clay.....                                          | 1942               | 820                | 0                | 290,000                    | 290,000     | 0                                      | 0           | 33                       | 33          | 0         | 0                     |
| 100         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 26                       | 26          | 0         | 1                     |
| 101         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 7                        | 7           | 0         | 0                     |
| 102         | Bible Grove South, Clay..                                       | 1942               | 10                 | 0                | 7,000                      | 7,000       | 0                                      | 0           | 1                        | 1           | 0         | 0                     |
| 103         | Clay City West, Clay.....                                       | 1941               | 320                | 0                | 849,000                    | 800,000     | 0                                      | 0           | 14                       | 12          | 0         | 0                     |
| 104         | Flora, Clay.....                                                | 1938               | 320                | 0                | 460,000                    | 74,000      | 0                                      | 0           | 22                       | 1           | 0         | 0                     |
| 105         |                                                                 |                    | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0                     |
| 106         |                                                                 |                    | y                  | 0                | x                          | x           | 0                                      | 0           | 3                        | 0           | 0         | 0                     |
| 107         |                                                                 |                    | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0                     |
| 108         |                                                                 |                    | y                  | 0                | x                          | x           | 0                                      | 0           | 17                       | 1           | 0         | 0                     |
| 109         | Ingraham, Clay.....                                             | 1942 <sup>23</sup> | 10                 | 0                | 300                        | 300         | 0                                      | 0           | 1                        | 1           | 1         | 0                     |
| 110         | Iola, Clay.....                                                 | 1939 <sup>24</sup> | 100                | 0                | 13,000                     | 2,000       | 0                                      | 0           | 8                        | 3           | 0         | 0                     |
| 111         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0                     |
| 112         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 6                        | 1           | 0         | 0                     |
| 113         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0                     |
| 114         | Kenner, Clay.....                                               | 1942               | 10                 | 0                | 600                        | 600         | 0                                      | 0           | 1                        | 1           | 0         | 0                     |
| 115         | Sailor Springs Consolidated, Clay                               | 1941               | 540                | 0                | 521,000                    | 356,000     | 0                                      | 0           | 42                       | 17          | 2         | 0                     |
| 116         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 22                       | 2           | 1         | 0                     |
| 117         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 15                       | 11          | 0         | 0                     |
| 118         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 5                        | 4           | 1         | 0                     |
| 119         | Toliver, Clay.....                                              | 1942               | 10                 | 0                | 2,000                      | 2,000       | 0                                      | 0           | 1                        | 1           | 0         | 0                     |
| 120         | Xenia, Clay.....                                                | 1941               | 10                 | 0                | 7,000                      | 5,500       | 0                                      | 0           | 1                        | 1           | 0         | 0                     |
| 121         | Clay City Consolidated, Clay, Wayne                             | 1937               | 13,420             | 0                | 27,643,000                 | 2,752,000   | 0                                      | 0           | 718                      | 18          | 10        | 5                     |
| 122         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 28                       | 5           | 2         | 0                     |
| 123         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 1         | 0                     |
| 124         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 12                       | 3           | 1         | 0                     |
| 125         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 4                        | 1           | 0         | 0                     |
| 126         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 661                      | 5           | 7         | 5                     |
| 127         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 12                       | 1           | 0         | 0                     |
| 128         | Bartleso South, Clinton...                                      | 1942               | 10                 | 0                | 800                        | 800         | 0                                      | 0           | 1                        | 1           | 0         | 0                     |
| 129         | Boulder, Clinton.....                                           | 1941               | 210                | 10               | 375,000                    | 375,000     | x                                      | x           | 26                       | 25          | 0         | 0                     |
| 130         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 24                       | 24          | 0         | 0                     |
| 131         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 2                        | 2           | 0         | 0                     |
| 132         | Centralia West, Clinton...                                      | 1940               | 90                 | 0                | 56,000                     | 43,000      | 0                                      | 0           | 9                        | 3           | 0         | 0                     |
| 133         | Hoffman, Clinton.....                                           | 1939               | 300                | 0                | 363,000                    | 97,000      | 0                                      | 0           | 44                       | 0           | 0         | 0                     |
| 134         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 10                       | 0           | 0         | 0                     |
| 135         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 34                       | 0           | 0         | 0                     |
| 136         | Posey, Clinton.....                                             | 1941               | 20                 | 0                | 3,500                      | 1,500       | 0                                      | 0           | 2                        | 0           | 0         | 0                     |
| 137         | Centralia, Clinton, Marion                                      | 1937               | 2,850              | 0                | 22,360,000                 | 2,262,000   | 0                                      | 0           | 906                      | 0           | 53        | 9                     |
| 138         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 23                       | 0           | 11        | 3                     |
| 139         |                                                                 |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 562                      | 0           | 40        | 5                     |
| 140         |                                                                 |                    | x                  | 0                | 11,888,000                 | 1,158,000   | 0                                      | 0           | 319                      | 0           | 2         | 0                     |
| 141         |                                                                 |                    | x                  | 0                | 24,000                     | 4,000       | 0                                      | 0           | 2                        | 0           | 0         | 1                     |
| 142         | Cooks Mills, Coles.....                                         | 1941               | 20                 | 0                | 4,000                      | 3,000       | 0                                      | 0           | 2                        | 1           | 0         | 0                     |
| 143         | Mattoon.....                                                    | 1939 <sup>25</sup> | 20                 | 0                | 23,000                     | 6,000       | 0                                      | 0           | 2                        | 0           | 0         | 0                     |
| 144         |                                                                 |                    | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0                     |

<sup>22</sup> Total of lines 66 to 94 inclusive. Cumulative oil production total based on the U. S. Bureau of Mines monthly report.<sup>23</sup> Abandoned 1942.<sup>24</sup> Abandoned 1940: revived 1941.<sup>25</sup> Abandoned 1939: revived 1940.



TABLE I.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                 | Reservoir Pressure, <sup>4</sup> Lb. per Sq. In. | Character of Oil | Producing Formation |                  |                        |                       |                 |                     |                         |                        |      |                    | Deepest Zone Tested to End of 1942 |       |
|-------------|-------------------------------------|-----------------|--------------------------------------------------|------------------|---------------------|------------------|------------------------|-----------------------|-----------------|---------------------|-------------------------|------------------------|------|--------------------|------------------------------------|-------|
|             | Number of Wells                     |                 |                                                  |                  | Name                | Age <sup>5</sup> | Character <sup>7</sup> | Porosity <sup>8</sup> | Depth, Avg. Ft. |                     |                         | Structure <sup>6</sup> | Name | Depth of Hole, Ft. |                                    |       |
|             | Flowing                             | Artificial Lift |                                                  |                  |                     |                  |                        |                       | Top Prod. Zone  | Bottoms Prod. Wells | Net Thickness, Avg. Ft. |                        |      |                    |                                    |       |
| 94          | 0                                   | 93              |                                                  |                  | 32.7                | 0.70             | "Trenton"              | Ord                   | L               | Por                 | 561                     | 601                    | 50   | A                  | "Trenton"                          | 819   |
| 95          | 0                                   | 12,871          |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |       |
| 96          | 0                                   | 2               |                                                  |                  | 34.2                | 0.25             | Bethel                 | MisU                  | S               | Por                 | 1,116                   | 1,123                  | 7    | A                  | Dev                                | 2,526 |
| 97          | 0                                   | 0               |                                                  |                  | 35.4                |                  | Devonian               | Dev                   | L               | Por                 | 1,830                   | 1,893                  | 5    | D                  | Dev                                | 1,900 |
| 98          | 0                                   | 28              |                                                  |                  | 36.4                | 0.20             | Bethel                 | MisU                  | S               | Por                 | 1,008                   | 1,024                  | 11   | A                  | Dev                                | 2,454 |
| 99          | 0                                   | 32              |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | D                  | MisL                               | 2,971 |
| 100         | 0                                   | 25              |                                                  |                  | 38.0                | 0.13             | Weiler                 | MisU                  | S               | Por                 | 2,490                   | 2,504                  | 14   |                    |                                    |       |
| 101         | 0                                   | 7               |                                                  |                  | 36.2                |                  | McClosky               | MisL                  | L               | Por                 | 2,810                   | 2,817                  | 7    |                    |                                    |       |
| 102         | 0                                   | 1               |                                                  |                  |                     |                  | Aux Vases              | MisU                  | S               | Por                 | 2,733                   | 2,738                  | 5    | A                  | MisL                               | 2,929 |
| 103         | 0                                   | 14              |                                                  |                  | 39.0                | 0.17             | McClosky               | MisL                  | L               | Por                 | 3,050                   | 3,080                  | 15   | A                  | MisL                               | 3,080 |
| 104         | 0                                   | 19              |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | D                  | MisL                               | 3,100 |
| 105         | 0                                   | 1               |                                                  |                  |                     |                  | Tar Springs            | MisU                  | S               | Por                 | 2,320                   | 2,332                  | 12   |                    |                                    |       |
| 106         | 0                                   | 3               |                                                  |                  |                     |                  | Cypress                | MisU                  | S               | Por                 | 2,595                   | 2,614                  | 5    |                    |                                    |       |
| 107         | 0                                   | 1               |                                                  |                  | 37.4                |                  | Bethel                 | MisU                  | S               | Por                 | 2,788                   | 2,800                  | 12   |                    |                                    |       |
| 108         | 0                                   | 14              |                                                  |                  | 37.2                | 0.24             | McClosky               | MisL                  | L               | Por                 | 2,965                   | 2,978                  | 6    |                    |                                    |       |
| 109         | 0                                   | 0               |                                                  |                  |                     |                  | McClosky               | MisL                  | L               | Por                 | 3,098                   | 3,139                  | 7    | A                  | MisL                               | 3,139 |
| 110         | 0                                   | 6               |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | D                  | MisU                               | 2,383 |
| 111         | 0                                   | 1               |                                                  |                  |                     |                  | Bethel                 | MisU                  | S               | Por                 | 2,292                   | 2,306                  | 14   |                    |                                    |       |
| 112         | 0                                   | 4               |                                                  |                  | 35.4                | 0.25             | Aux Vases              | MisU                  | S               | Por                 | 2,335                   | 2,351                  | 11   |                    |                                    |       |
| 113         | 0                                   | 1               |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |       |
| 114         | 0                                   | 1               |                                                  |                  |                     |                  | Bethel                 | MisU                  | S               | Por                 | 2,661                   | 2,672                  | 7    | A                  | MisL                               | 2,955 |
| 115         | 0                                   | 40              |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | D                  | MisL                               | 3,088 |
| 116         | 0                                   | 21              |                                                  |                  | 39.5                | 0.17             | Tar Springs            | MisU                  | S               | Por                 | 2,340                   | 2,360                  | 15   |                    |                                    |       |
| 117         | 0                                   | 15              |                                                  | 1,000±           | 38.5                | 0.28             | Cypress                | MisU                  | S               | Por                 | 2,590                   | 2,610                  | 10   |                    |                                    |       |
| 118         | 0                                   | 4               |                                                  |                  | 36.4                |                  | McClosky               | MisL                  | L               | Por                 | 3,009                   | 3,047                  | 5    |                    |                                    |       |
| 119         | 0                                   | 1               |                                                  |                  | 37.1                |                  | McClosky               | MisL                  | L               | Por                 | 2,790                   | 2,800                  | 9    | A                  | MisL                               | 2,887 |
| 120         | 0                                   | 1               |                                                  |                  | 35.2                |                  | Aux Vases              | MisU                  | S               | Por                 | 2,785                   | 2,806                  | 12   | D                  | MisL                               | 2,991 |
| 121         | 0                                   | 683             |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | A                  | Dev                                | 4,840 |
| 122         | 0                                   | 26              |                                                  |                  | 37.9                |                  | Cypress                | MisU                  | S               | Por                 | 2,670                   | 2,680                  | 10   |                    |                                    |       |
| 123         | 0                                   | 1               |                                                  |                  | 38.0                |                  | Bethel                 | MisU                  | S               | Por                 | 2,880                   | 2,885                  | 5    |                    |                                    |       |
| 124         | 0                                   | 11              |                                                  |                  | 38.0                |                  | Aux Vases              | MisU                  | S               | Por                 | 2,910                   | 2,935                  | 15   |                    |                                    |       |
| 125         | 0                                   | 4               |                                                  |                  | 38.0                |                  | Rosiclare              | MisL                  | S               | Por                 | 2,970                   | 2,974                  | 4    |                    |                                    |       |
| 126         | 0                                   | 629             |                                                  |                  | 38.5                |                  | McClosky               | MisL                  | L               | Por                 | 2,980                   | 2,990                  | 10   |                    |                                    |       |
| 127         | 0                                   | 12              |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |       |
| 128         | 0                                   | 1               |                                                  |                  | 39.0                |                  | Devonian               | Dev                   | L               | Por                 | 2,463                   | 2,478                  | 15   | D                  | Dev                                | 2,478 |
| 129         | 0                                   | 25              |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | D                  | Dev                                | 2,670 |
| 130         | 0                                   | 24              |                                                  |                  | 36.0                |                  | Bethel                 | MisU                  | S               | Por                 | 1,193                   | 1,203                  | 10   |                    |                                    |       |
| 131         | 0                                   | 9               |                                                  |                  |                     |                  | Devonian               | Dev                   | L               | Por                 | 2,618                   | 2,668                  | 7    |                    |                                    |       |
| 132         | 0                                   | 9               |                                                  |                  | 37.8                | 0.17             | Bethel                 | MisU                  | S               | Por                 | 1,408                   | 1,415                  | 7    | D                  | MisU                               | 1,450 |
| 133         | 0                                   | 44              |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | D                  | Dev                                | 2,914 |
| 134         | 0                                   | 10              |                                                  |                  |                     |                  | Cypress                | MisU                  | S               | Por                 | 1,185                   | 1,201                  | 9    |                    |                                    |       |
| 135         | 0                                   | 34              |                                                  |                  | 32.2                | 0.21             | Bethel                 | MisU                  | S               | Por                 | 1,319                   | 1,326                  | 7    |                    |                                    |       |
| 136         | 0                                   | 2               |                                                  |                  | 36.1                | 0.17             | Cypress                | MisU                  | S               | Por                 | 1,105                   | 1,110                  | 5    | D                  | MisU                               | 1,144 |
| 137         | 0                                   | 739             |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | A                  | "Trenton"                          | 4,068 |
| 138         | 0                                   | 21              |                                                  |                  | 36.4                | 0.20             | Cypress                | MisU                  | S               | Por                 | 1,200                   | 1,215                  | 15   |                    |                                    |       |
| 139         | 0                                   | 517             |                                                  | 25±              | 37.7                | 0.17             | Bethel                 | MisU                  | S               | Por                 | 1,355                   | 1,375                  | 20   |                    |                                    |       |
| 140         | 0                                   | 200             |                                                  | 275              | 37.4                | 0.38             | Devonian               | Dev                   | L               | Por                 | 2,860                   | 2,874                  | 14   |                    |                                    |       |
| 141         | 0                                   | 1               |                                                  |                  | 43.2                | 0.28             | Trenton                | Ord                   | L               | Por                 | 4,020                   | 4,120                  | 40   |                    |                                    |       |
| 142         | 0                                   | 1               |                                                  |                  | 36.4                | 0.40             | Aux Vases              | MisU                  | S               | Por                 | 1,824                   | 1,834                  | 10   | A                  | MisU                               | 1,877 |
| 143         | 0                                   | 1               |                                                  |                  |                     |                  |                        |                       |                 |                     |                         |                        |      | A                  | Shakopee                           | 4,914 |
| 144         | 0                                   | 0               |                                                  |                  | 44.1                | 0.16             | Cypress                | MisU                  | S               | Por                 | 1,835                   | 1,919                  | 25   |                    |                                    |       |

<sup>27</sup> Wells producing from more than one sand, see Table 9.

TABLE 1.—(Continued)

| Line Number | Field, County              | Year of Discovery | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas Well |             |           |                       |                            |
|-------------|----------------------------|-------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|-------------------------------|-------------|-----------|-----------------------|----------------------------|
|             |                            |                   | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942      | During 1942 |           | End of 1942           |                            |
|             |                            |                   |                    |                  |                            |             |                                        |             |                               | Completed   | Abandoned | Temporarily Shut Down | Producing Oil <sup>c</sup> |
| 145         |                            |                   | 10                 | 0                | 23,000                     | 6,000       | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 146         | New Bellair, Crawford....  | 1942              | 20                 | 0                | 5,000                      | 5,000       | 0                                      | 0           | 2                             | 2           | 0         | 1                     | 1                          |
| 147         | Albion, Edwards.....       | 1940              | 830                | 0                | 2,339,000                  | 498,000     | 0                                      | 0           | 81                            | 2           | 1         | 0                     | 80                         |
| 148         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                             | 0           | 0         | 0                     | 3                          |
| 149         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 10                            | 0           | 0         | 0                     | 10                         |
| 150         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                               |             |           |                       |                            |
| 151         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 2           | 0         | 0                     | 2                          |
| 152         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 61                            | 0           | 1         | 0                     | 60                         |
| 153         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 5                             | 0           | 0         | 0                     | 5                          |
| 154         | Albion North, Edwards...   | 1942              | 10                 | 0                | 3,000                      | 3,000       | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 155         | Bone Gap, Edwards.....     | 1941              | 340                | 0                | 293,000                    | 227,000     | 0                                      | 0           | 18                            | 14          | 0         | 0                     | 18                         |
| 156         | Cowling, Edwards.....      | 1939              | 100                | 0                | 277,000                    | 32,000      | 0                                      | 0           | 13                            | 0           | 1         | 0                     | 12                         |
| 157         | Ellery North, Edwards....  | 1942              | 10                 | 0                | 1,000                      | 1,000       | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 158         | Samsville, Edwards.....    | 1942*             | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 0                          |
| 159         | Ellery, Edwards, Wayne..   | 1941              | 20                 | 0                | 22,000                     | 9,000       | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 160         | Grayville, Edwards, White  | 1939              | 80                 | 0                | 142,000                    | 18,000      | 0                                      | 0           | 8                             | 0           | 1         | 0                     | 3                          |
| 161         | Mason, Effingham.....      | 1940              | 100                | 0                | 143,000                    | 35,000      | 0                                      | 0           | 9                             | 1           | 0         | 0                     | 9                          |
| 162         | Mason South, Effingham..   | 1941              | 300                | 0                | 180,000                    | 171,000     | 0                                      | 0           | 22                            | 14          | 0         | 0                     | 22                         |
| 163         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 15                            | 8           | 0         | 0                     | 15                         |
| 164         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                               |             |           |                       |                            |
| 165         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 166         |                            |                   |                    |                  |                            |             | 0                                      | 0           | 6                             | 6           | 0         | 0                     | 6                          |
| 167         | Louden, Effingham, Fayette | 1937              | 20,020             | 0                | 87,685,000                 | 17,966,000  | 0                                      | 0           | 1,970                         | 36          | 4         | 0                     | 1,946                      |
| 168         |                            |                   | 20,020             | 0                | x                          | x           | 0                                      | 0           | 942                           | 14          | 0         | 0                     | 942                        |
| 169         |                            |                   | 11,000             | 0                | x                          | x           | 0                                      | 0           | 323                           | 1           | 2         | 0                     | 321                        |
| 170         |                            |                   | 7,000              | 0                | x                          | x           | 0                                      | 0           | 419                           | 1           | 2         | 0                     | 417                        |
| 171         |                            |                   | 2,570              | 0                | 3,471,000                  | 2,441,000   | 0                                      | 0           | 75                            | 16          | 0         | 0                     | 75                         |
| 172         |                            |                   |                    |                  |                            |             | 0                                      | 0           | 191                           | 4           | 0         | 0                     | 191                        |
| 173         | St. James, Fayette.....    | 1938              | 1,900              | 0                | 5,655,000                  | 1,477,000   | 0                                      | 0           | 190                           | 2           | 1         | 0                     | 183                        |
| 174         | St. Paul, Fayette.....     | 1941              | 170                | 0                | 85,000                     | 81,000      | 0                                      | 0           | 13                            | 11          | 0         | 0                     | 13                         |
| 175         | Akin, Franklin.....        | 1942              | 50                 | 0                | 36,000                     | 36,000      | 0                                      | 0           | 3                             | 3           | 0         | 0                     | 3                          |
| 176         | Benton, Franklin.....      | 1941              | 2,020              | 0                | 12,376,000                 | 5,386,000   | 0                                      | 0           | 231                           | 9           | 2         | 0                     | 229                        |
| 177         | Benton North, Franklin..   | 1941              | 90                 | 0                | 129,000                    | 96,000      | 0                                      | 0           | 11                            | 5           | 0         | 0                     | 11                         |
| 178         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                             | 3           | 0         | 0                     | 3                          |
| 179         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 180         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 181         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 182         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 183         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 184         | Sesser, Franklin.....      | 1942              | 30                 | 0                | 18,000                     | x           | 0                                      | 0           | 3                             | 3           | 0         | 0                     | 3                          |
| 185         | Thompsonville, Franklin..  | 1940              | 220                | 0                | 222,000                    | 34,000      | 0                                      | 0           | 19                            | 0           | 4         | 0                     | 15                         |
| 186         | Valier, Franklin.....      | 1942              | 10                 | 0                | 500                        | 500         | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 187         | West Frankfort.....        | 1941              | 20                 | 0                | x                          | x           | 0                                      | 0           | 3                             | 2           | 0         | 0                     | 3                          |
| 188         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 1           | 0         | 0                     | 2                          |
| 189         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 190         | Whittington, Franklin....  | 1939              | 10                 | 0                | 21,000                     | 5,000       | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 191         | Inman, Gallatin.....       | 1940              | 60                 | 0                | 28,000                     | 11,000      | 0                                      | 0           | 5                             | 1           | 0         | 0                     | 5                          |
| 192         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 193         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 194         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 195         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 196         | Inman East, Gallatin.....  | 1940              | 530                | 0                | 982,000                    | 526,000     | 0                                      | 0           | 61                            | 22          | 0         | 0                     | 61                         |
| 197         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                             | 0           | 0         | 0                     | 3                          |
| 198         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                               |             |           |                       |                            |
| 199         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                             | 3           | 0         | 0                     | 3                          |
| 200         |                            |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 37                            | 10          | 0         | 0                     | 37                         |

<sup>b</sup> Abandoned 1942.

TABLE I.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                                     | Reservoir Pressure, <sup>4</sup> Lb. per Sq. In.       | Character of Oil     | Producing Formation |                  |                         |                       |                 |                     |                         |                        |      |                    | Deepest Zone Tested to End of 1942 |       |
|-------------|-------------------------------------|-------------------------------------|--------------------------------------------------------|----------------------|---------------------|------------------|-------------------------|-----------------------|-----------------|---------------------|-------------------------|------------------------|------|--------------------|------------------------------------|-------|
|             | Number of Wells                     |                                     |                                                        |                      | Name                | Age <sup>c</sup> | Character <sup>f</sup>  | Porosity <sup>g</sup> | Depth, Avg. Ft. |                     | Net Thickness, Avg. Ft. | Structure <sup>h</sup> | Name | Depth of Hole, Ft. |                                    |       |
|             | Flowing                             | Artificial Lift                     |                                                        |                      |                     |                  |                         |                       | Top Prod. Zone  | Bottoms Prod. Wells |                         |                        |      |                    |                                    |       |
| Initial     | Avg. at End of 1942                 | Repressuring Operation <sup>d</sup> | Gravity A.P.I. at 60°F., Weighted Average <sup>e</sup> | Subsidence, Per Cent |                     |                  |                         |                       |                 |                     |                         |                        |      |                    |                                    |       |
| 145         | 0                                   | 1                                   | s                                                      | s                    | 36.6                | 0.29             | McClosky                | MisL                  | L               | Por                 | 2,000                   | 2,027                  | 12   |                    |                                    |       |
| 146         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | Pennsylvanian           | Pen                   | S               | Por                 | 1,169                   | 1,200                  | 30   | A                  | Dev                                | 2,760 |
| 147         | 0                                   | 80                                  | s                                                      | s                    |                     |                  |                         |                       |                 |                     |                         |                        |      | A                  | Dev                                | 5,188 |
| 148         | 0                                   | 3                                   | s                                                      | s                    | 34.0                | s                | Bridgeport              | Pen                   | S               | Por                 | 1,571                   | 1,622                  | 10   |                    |                                    |       |
| 149         | 0                                   | 10                                  | s                                                      | s                    | 34.0                | s                | Waltersburg             | MisU                  | S               | Por                 | 2,365                   | 2,375                  | 10   |                    |                                    |       |
| 150         | 0                                   |                                     | s                                                      | s                    | 38.0                | s                | Bethel <sup>28</sup>    | MisU                  | S               | Por                 | 2,935                   | 2,949                  | 14   |                    |                                    |       |
| 151         | 0                                   | 2                                   | s                                                      | s                    | 39.0                | s                | Aux Vases               | MisU                  | S               | Por                 | 3,040                   | 3,056                  | 16   |                    |                                    |       |
| 152         | 0                                   | 60                                  | s                                                      | s                    | 40.0                | 0.18             | McClosky                | MisL                  | L               | Por                 | 3,108                   | 3,119                  | 11   |                    |                                    |       |
| 153         | 0                                   | 5                                   |                                                        |                      |                     |                  |                         |                       |                 |                     |                         |                        |      |                    |                                    |       |
| 154         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | Aux Vases               | MisU                  | S               | Por                 | 3,054                   | 3,066                  | 12   | A                  | MisU                               | 3,261 |
| 155         | 0                                   | 18                                  | s                                                      | s                    | 40.5                | 0.33             | McClosky                | MisL                  | L               | Por                 | 3,266                   | 3,325                  | 8    | D                  | MisL                               | 3,350 |
| 156         | 0                                   | 12                                  | s                                                      | s                    | 36.6                | 0.23             | Cypress                 | MisU                  | S               | Por                 | 2,620                   | 2,640                  | 12   | D                  | MisL                               | 3,175 |
| 157         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | McClosky                | MisL                  | L               | Por                 | 3,418                   | 3,425                  | 7    | A                  | MisL                               | 3,498 |
| 158         | 0                                   | 0                                   | s                                                      | s                    | s                   |                  | Waltersburg             | MisU                  | S               | Por                 | 2,403                   | 2,407                  | 4    | A                  | MisL                               | 3,294 |
| 159         | 0                                   | 2                                   | s                                                      | s                    | 39.1                | s                | McClosky                | MisL                  | L               | Por                 | 3,341                   | 3,353                  | 12   | D                  | MisL                               | 3,352 |
| 160         | 0                                   | 3                                   | s                                                      | s                    | 35.8                | 0.31             | McClosky                | MisL                  | L               | Por                 | 3,093                   | 3,188                  | 6    | A                  | MisL                               | 3,261 |
| 161         | 0                                   | 9                                   | s                                                      | s                    | 38.4                | 0.21             | McClosky                | MisL                  | L               | Por                 | 2,490                   | 2,497                  | 7    | A                  | MisL                               | 2,528 |
| 162         | 0                                   | 22                                  | s                                                      | s                    |                     |                  |                         |                       |                 |                     |                         |                        |      | A                  |                                    | 2,462 |
| 163         | 0                                   | 15                                  | s                                                      | s                    | 38.0                | s                | Bethel                  | MisU                  | S               | Por                 | 2,305                   | 2,316                  | 11   |                    |                                    |       |
| 164         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | Aux Vases <sup>28</sup> | MisU                  | S               | Por                 | 2,360                   | 2,374                  | 14   |                    |                                    |       |
| 165         | 0                                   | 1                                   | s                                                      | s                    | 38.4                | 0.21             | McClosky                | MisL                  | L               | Por                 | 2,451                   | 2,462                  | 7    |                    |                                    |       |
| 166         | 0                                   | 6                                   |                                                        |                      |                     |                  |                         |                       |                 |                     |                         |                        |      |                    |                                    |       |
| 167         | 231                                 | 1,715                               |                                                        |                      |                     |                  |                         |                       |                 |                     |                         |                        |      | A                  | St. Peter                          | 4,678 |
| 168         | 62                                  | 880                                 | s                                                      | 280±                 | 36.6                | 0.25             | Cypress                 | MisU                  | S               | Por                 | 1,493                   | 1,515                  | 22   |                    |                                    |       |
| 169         | 1                                   | 322                                 | s                                                      | 335                  | 37.8                | 0.24             | Paint Creek             | MisU                  | S               | Por                 | 1,530                   | 1,545                  | 15   |                    |                                    |       |
| 170         | 5                                   | 414                                 | s                                                      | 300                  | 38.5                | 0.20             | Bethel                  | MisU                  | S               | Por                 | 1,550                   | 1,566                  | 16   |                    |                                    |       |
| 171         | 30                                  | 45                                  | s                                                      | 1,280                | 28.2                | 0.48             | Devonian                | Dev                   | L               | Por                 | 3,000                   | 3,025                  | 15   |                    |                                    |       |
| 172         | 133                                 | 58                                  |                                                        |                      |                     |                  |                         |                       |                 |                     |                         |                        |      |                    |                                    |       |
| 173         | 0                                   | 183                                 | s                                                      | s                    | 34.4                | 0.31             | Cypress                 | MisU                  | S               | Por                 | 1,581                   | 1,600                  | 16   | A                  | Dev                                | 3,375 |
| 174         | 0                                   | 13                                  | s                                                      | s                    | 34.0                | 0.23             | Bethel                  | MisU                  | S               | Por                 | 1,885                   | 1,906                  | 6    | D                  | MisU                               | 1,906 |
| 175         | 0                                   | 3                                   | s                                                      | s                    | 32.0                | s                | Cypress                 | MisU                  | S               | Por                 | 2,839                   | 2,860                  | 10   | A                  | MisL                               | 3,263 |
| 176         | 0                                   | 229                                 | s                                                      | s                    | 41.7                | 0.12             | Tar Springs             | MisU                  | S               | Por                 | 2,100                   | 2,150                  | 34   | A                  | MisL                               | 3,203 |
| 177         | 0                                   | 11                                  |                                                        |                      |                     |                  |                         |                       |                 |                     |                         |                        |      | D                  | MisL                               | 2,890 |
| 178         | 0                                   | 3                                   | s                                                      | s                    | s                   |                  | Paint Creek             | MisU                  | S               | Por                 | 2,595                   | 2,605                  | 10   |                    |                                    |       |
| 179         | 0                                   | 2                                   | s                                                      | s                    | 38.4                | 0.15             | Bethel                  | MisU                  | S               | Por                 | 2,606                   | 2,623                  | 10   |                    |                                    |       |
| 180         | 0                                   | 2                                   | s                                                      | s                    | 39.0                | 0.15             | Aux Vases               | MisU                  | S               | Por                 | 2,689                   | 2,700                  | 10   |                    |                                    |       |
| 181         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | Leviass                 | MisL                  | L               | Por                 | 2,743                   | 2,751                  | 8    |                    |                                    |       |
| 182         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | Rosiclare               | MisL                  | S               | Por                 | 2,780                   | 2,788                  | 7    |                    |                                    |       |
| 183         | 0                                   | 2                                   | s                                                      | s                    | s                   |                  | McClosky                | MisL                  | L               | Por                 | 2,783                   | 2,792                  | 5    |                    |                                    |       |
| 184         | 0                                   | 3                                   | s                                                      | s                    | 39.0                | s                | Aux Vases               | MisU                  | S               | Por                 | 2,701                   | 2,708                  | 7    | D                  | MisL                               | 2,926 |
| 185         | 0                                   | 15                                  | s                                                      | s                    | 37.8                | 0.16             | McClosky                | MisL                  | L               | Por                 | 3,121                   | 3,136                  | 10   | A                  | MisL                               | 3,186 |
| 186         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | McClosky                | MisL                  | L               | Por                 | 2,713                   | 2,725                  | 12   | A                  | MisL                               | 2,725 |
| 187         | 0                                   | 3                                   | s                                                      | s                    |                     |                  |                         |                       |                 |                     |                         |                        |      | D                  | MisL                               | 2,989 |
| 188         | 0                                   | 2                                   | s                                                      | s                    | 38.4                | 0.13             | Tar Springs             | MisU                  | S               | Por                 | 2,054                   | 2,080                  | 14   |                    |                                    |       |
| 189         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | Aux Vases               | MisU                  | S               | Por                 | 2,698                   | 2,713                  | 15   |                    |                                    |       |
| 190         | 0                                   | 1                                   | s                                                      | s                    | 37.6                | 0.24             | McClosky-St. Louis      | MisL                  | L               | Por                 | 2,869                   | 3,068                  | 9    | D                  | MisL                               | 3,068 |
| 191         | 0                                   | 5                                   | s                                                      | s                    |                     |                  |                         |                       |                 |                     |                         |                        |      | D                  | MisL                               | 3,010 |
| 192         | 0                                   | 2                                   | s                                                      | s                    | 36.0                | s                | Palestine               | MisU                  | S               | Por                 | 1,832                   | 1,842                  | 10   |                    |                                    |       |
| 193         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | Waltersburg             | MisU                  | S               | Por                 | 1,990                   | 2,001                  | 10   |                    |                                    |       |
| 194         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | Aux Vases               | MisU                  | S               | Por                 | 2,743                   | 2,788                  | 13   |                    |                                    |       |
| 195         | 0                                   | 1                                   | s                                                      | s                    | s                   |                  | McClosky                | MisL                  | L               | Por                 | 2,730                   | 2,742                  | 10   |                    |                                    |       |
| 196         | 0                                   | 61                                  | s                                                      | s                    |                     |                  |                         |                       |                 |                     |                         |                        |      | A                  | MisL                               | 2,915 |
| 197         | 0                                   | 3                                   | s                                                      | s                    | 24.4                | 0.31             | Pennsylvanian           | Pen                   | S               | Por                 | 780                     | 792                    | 12   |                    |                                    |       |
| 198         | 0                                   |                                     | s                                                      | s                    | s                   |                  | Clore <sup>28</sup>     | MisU                  | L               | Por                 | 1,725                   | 1,737                  | 12   |                    |                                    |       |
| 199         | 0                                   | 3                                   | s                                                      | s                    | s                   |                  | Waltersburg             | MisU                  | S               | Por                 | 1,980                   | 2,003                  | 23   |                    |                                    |       |
| 200         | 0                                   | 37                                  | s                                                      | s                    | 34.6                | 0.24             | Tar Springs             | MisU                  | S               | Por                 | 2,082                   | 2,097                  | 15   |                    |                                    |       |

<sup>28</sup> Producing in combination wells.

TABLE I.—(Continued)

| Line Number | Field, County                         | Year of Discovery | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas Well |             |           |                       |                            |
|-------------|---------------------------------------|-------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|-------------------------------|-------------|-----------|-----------------------|----------------------------|
|             |                                       |                   | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942      | During 1942 |           | End of 1942           |                            |
|             |                                       |                   |                    |                  |                            |             |                                        |             |                               | Completed   | Abandoned | Temporarily Shut Down | Producing Oil <sup>c</sup> |
| 201         |                                       |                   |                    | 0                |                            |             | 0                                      | 0           | 8                             | 2           | 0         | 0                     | 8                          |
| 202         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 203         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 204         | Inman North, Gallatin.....            | 1941              | 30                 | 0                | 9,000                      | 4,000       | 0                                      | 0           | 3                             | 1           | 0         | 0                     | 3                          |
| 205         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 206         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 207         | Inman West, Gallatin.....             | 1942              | 90                 | 0                | 32,000                     | 32,000      | 0                                      | 0           | 5                             | 0           | 0         | 0                     | 5                          |
| 208         | Junction, Gallatin.....               | 1939              | 150                | 0                | 177,000                    | 9,000       | 0                                      | 0           | 14                            | 0           | 0         | 0                     | 14                         |
| 209         | Omaha, Gallatin.....                  | 1940              | 260                | 10               | 626,000                    | 256,000     | 2                                      | 2           | 21                            | 1           | 0         | 0                     | 20                         |
| 210         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 17                            | 0           | 0         | 0                     | 17                         |
| 211         |                                       |                   | 2                  | 10               |                            |             | 2                                      | 2           | 4                             | 0           | 0         | 0                     | 4                          |
| 212         | Belle Prairie, Hamilton....           | 1940              | 20                 | 0                | 59,000                     | 24,000      | 0                                      | 0           | 2                             | 1           | 0         | 0                     | 2                          |
| 213         | Blairsville, Hamilton.....            | 1942              | 220                | 0                | 55,000                     | 55,000      | 0                                      | 0           | 10                            | 10          | 0         | 0                     | 10                         |
| 214         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 9                             | 9           | 0         | 0                     | 9                          |
| 215         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 0                             | 0           | 0         | 0                     | 0                          |
| 216         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 0                             | 0           | 0         | 0                     | 0                          |
| 217         |                                       |                   |                    |                  |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 218         | Bungay, Hamilton.....                 | 1941              | 10                 | 0                | 5,500                      | 2,500       | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 219         | Dahlgren, Hamilton.....               | 1941              | 540                | 0                | 808,000                    | 127,000     | 0                                      | 0           | 42                            | 0           | 2         | 0                     | 40                         |
| 220         | Dale-Hoodville Consolidated, Hamilton | 1940              | 4,310              | 0                | 12,226,000                 | 5,273,000   | 0                                      | 0           | 364                           | 73          | 0         | 0                     | 363                        |
| 221         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 35                            | 8           | 0         | 0                     | 35                         |
| 222         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 87                            | 3           | 0         | 0                     | 87                         |
| 223         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 172                           | 58          | 0         | 0                     | 172                        |
| 224         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 225         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 24                            | 0           | 0         | 0                     | 23                         |
| 226         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 45                            | 3           | 0         | 0                     | 45                         |
| 227         | Rural Hill, Hamilton.....             | 1941              | 1,780              | 0                | 5,341,000                  | 3,726,000   | 0                                      | 0           | 172                           | 77          | 1         | 0                     | 171                        |
| 228         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 229         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 78                            | 39          | 1         | 0                     | 77                         |
| 230         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 8                             | 3           | 0         | 0                     | 8                          |
| 231         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 0                             | 0           | 0         | 0                     | 0                          |
| 232         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 25                            | 6           | 0         | 0                     | 25                         |
| 233         |                                       |                   |                    |                  |                            |             | 0                                      | 0           | 60                            | 28          | 0         | 0                     | 60                         |
| 234         | Walpole, Hamilton.....                | 1941              | 630                | 0                | 911,000                    | 703,000     | 0                                      | 0           | 33                            | 15          | 0         | 0                     | 33                         |
| 235         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 236         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 32                            | 14          | 0         | 0                     | 32                         |
| 237         | Elkville, Jackson.....                | 1941              | 10                 | 0                | 1,000                      | 500         | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 238         | Boos North, Jasper.....               | 1940              | 1,020              | 0                | 1,649,000                  | 654,000     | 0                                      | 0           | 60                            | 14          | 2         | 0                     | 58                         |
| 239         | Hidalgo, Jasper.....                  | 1940              | 20                 | 0                | 9,000                      | 2,000       | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 240         | Ste. Marie, Jasper.....               | 1941              | 430                | 0                | 330,000                    | 314,000     | 0                                      | 0           | 20                            | 17          | 0         | 0                     | 20                         |
| 241         | Coil West, Jefferson.....             | 1942              | 10                 | 0                | 1,000                      | 1,000       | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 242         | Cravat, Jefferson.....                | 1939              | 100                | 0                | 166,000                    | 41,000      | 0                                      | 0           | 11                            | 0           | 0         | 0                     | 11                         |
| 243         | King, Jefferson.....                  | 1942              | 80                 | 0                | 31,000                     | 31,000      | 0                                      | 0           | 5                             | 5           | 0         | 0                     | 5                          |
| 244         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 3                             | 3           | 0         | 0                     | 3                          |
| 245         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 0                             | 0           | 0         | 0                     | 0                          |
| 246         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 0                             | 0           | 0         | 0                     | 0                          |
| 247         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 2                             | 2           | 0         | 0                     | 2                          |
| 248         | Markham City, Jefferson.              | 1942              | 320                | 0                | 160,000                    | 160,000     | 0                                      | 0           | 12                            | 12          | 0         | 0                     | 12                         |
| 249         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 0                             | 0           | 0         | 0                     | 0                          |
| 250         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 11                            | 11          | 0         | 0                     | 11                         |
| 251         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 252         | Roaches, Jefferson.....               | 1938              | 160                | 0                | 388,000                    | 54,000      | 0                                      | 0           | 10                            | 0           | 0         | 0                     | 10                         |
| 253         | Woodlawn, Jefferson.....              | 1940              | 1,210              | 0                | 5,531,000                  | 2,993,000   | 0                                      | 0           | 148                           | 11          | 0         | 2                     | 146                        |
| 254         | Dix, Jefferson, Marion....            | 1938              | 1,470              | 0                | 3,011,000                  | 651,000     | 0                                      | 0           | 81                            | 5           | 0         | 0                     | 81                         |
| 255         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 80                            | 4           | 0         | 0                     | 80                         |
| 256         |                                       |                   | 2                  | 0                |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 257         | Kell, Jefferson, Marion...            | 1942              | 10                 | 0                |                            |             | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |

TABLE I.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                 | Reservoir Pressure, <sup>4</sup> Lb. per Sq. In. | Character of Oil | Producing Formation |                     |                                      |                                                        |                         |                         |                  |                        |                       |                 | Deepest Zone Tested to End of 1942 |                         |                        |       |                    |
|-------------|-------------------------------------|-----------------|--------------------------------------------------|------------------|---------------------|---------------------|--------------------------------------|--------------------------------------------------------|-------------------------|-------------------------|------------------|------------------------|-----------------------|-----------------|------------------------------------|-------------------------|------------------------|-------|--------------------|
|             | Number of Wells                     |                 |                                                  |                  | Initial             | Avg. at End of 1942 | Repressuring Operations <sup>5</sup> | Gravity A.P.I. at 60°F., Weighted Average <sup>6</sup> | Sulphur, Per Cent       | Name                    | Age <sup>e</sup> | Character <sup>f</sup> | Porosity <sup>g</sup> | Depth, Avg. Ft. |                                    | Net Thickness, Avg. Ft. | Structure <sup>h</sup> | Name  | Depth of Hole, Ft. |
|             | Flowing                             | Artificial Lift |                                                  |                  |                     |                     |                                      |                                                        |                         |                         |                  |                        |                       | Top Prod. Zone  | Bottoms Prod. Wells                |                         |                        |       |                    |
| 201         | 0                                   | 8               | x                                                | x                | PM                  | 35.2                | 0.23                                 | Cypress                                                | MisU                    | S                       | Por              | 2,430                  | 2,440                 | 10              | D                                  | MisL                    | 3,020                  |       |                    |
| 202         | 0                                   | 3               | x                                                | x                |                     | z                   | z                                    | McClosky <sup>27</sup>                                 | MisL                    | L                       | Por              | 2,804                  | 2,910                 | 10              |                                    |                         |                        |       |                    |
| 203         | 0                                   | 7               | x                                                | x                |                     | z                   | z                                    | Aux Vases                                              | MisU                    | S                       | Por              | 2,816                  | 2,841                 | 25              |                                    |                         |                        |       |                    |
| 204         | 0                                   | 3               | x                                                | x                |                     | z                   | z                                    | McClosky                                               | MisL                    | L                       | Por              | 2,850                  | 3,020                 | 15              |                                    |                         |                        |       |                    |
| 205         | 0                                   | 1               | x                                                | x                |                     | z                   | z                                    | Weiler                                                 | MisU                    | S                       | Por              | 2,482                  | 2,500                 | 17              |                                    |                         |                        |       |                    |
| 206         | 0                                   | 2               | x                                                | x                |                     | z                   | z                                    | Waltersburg                                            | MisU                    | S                       | Por              | 1,763                  | 1,804                 | 15              |                                    |                         |                        |       |                    |
| 207         | 0                                   | 5               | x                                                | x                |                     | z                   | z                                    | Palestine                                              | MisU                    | S                       | Por              | 1,690                  | 1,710                 | 20              |                                    |                         |                        |       |                    |
| 208         | 0                                   | 14              | x                                                | x                |                     | z                   | z                                    | Tar Springs                                            | MisU                    | S                       | Por              | 1,880                  | 1,890                 | 10              |                                    |                         |                        |       |                    |
| 209         | 0                                   | 20              | x                                                | x                |                     | z                   | z                                    | McClosky                                               | MisL                    | L                       | Por              | 3,467                  | 3,578                 | 6               |                                    |                         |                        |       |                    |
| 210         | 0                                   | 17              | x                                                | x                |                     | z                   | z                                    | 38.1                                                   | z                       | Aux Vases               | MisU             | S                      | Por                   | 3,290           |                                    |                         |                        | 3,312 | 12                 |
| 211         | 0                                   | 3               | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Levias <sup>28</sup>    | MisL             | L                      | Por                   | 3,340           |                                    |                         |                        | 3,350 | 10                 |
| 212         | 0                                   | 2               | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | McClosky <sup>28</sup>  | MisL             | L                      | Por                   | 3,440           |                                    |                         |                        | 3,447 | 7                  |
| 213         | 0                                   | 10              | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Aux Vases               | MisU             | S                      | Por                   | 3,275           |                                    |                         |                        | 3,290 | 15                 |
| 214         | 0                                   | 9               | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | McClosky                | MisL             | L                      | Por                   | 3,337           |                                    |                         |                        | 3,359 | 10                 |
| 215         | 0                                   | 1               | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Cypress                 | MisU             | S                      | Por                   | 2,678           |                                    |                         |                        | 2,708 | 18                 |
| 216         | 0                                   | 1               | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Bethel                  | MisU             | S                      | Por                   | 2,890           |                                    |                         |                        | 2,910 | 20                 |
| 217         | 0                                   | 1               | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Aux Vases               | MisU             | S                      | Por                   | 2,970           |                                    |                         |                        | 3,000 | 30                 |
| 218         | 0                                   | 40              | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Levias                  | MisL             | L                      | Por                   | 3,140           |                                    |                         |                        | 3,163 | 13                 |
| 219         | 0                                   | 341             | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | McClosky <sup>27</sup>  | MisL             | L                      | Por                   | 3,150           |                                    |                         |                        | 3,224 | 10                 |
| 220         | 22                                  | 341             | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Cypress                 | MisU             | S                      | Por                   | 2,707           |                                    |                         |                        | 2,729 | 22                 |
| 221         | 0                                   | 35              | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Aux Vases               | MisU             | S                      | Por                   | 3,135           |                                    |                         |                        | 3,160 | 25                 |
| 222         | 0                                   | 87              | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Levias                  | MisL             | L                      | Por                   | 3,200           |                                    |                         |                        | 3,230 | 30                 |
| 223         | 20                                  | 152             | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | Rosiclare <sup>28</sup> | MisL             | L                      | Por                   | 3,230           |                                    |                         |                        | 3,260 | 15                 |
| 224         | 0                                   | 1               | x                                                | x                |                     | z                   | z                                    | z                                                      | z                       | McClosky <sup>27</sup>  | MisL             | L                      | Por                   | 3,260           |                                    |                         |                        | 3,320 | 22                 |
| 225         | 0                                   | 23              | x                                                | x                | z                   | z                   | z                                    | z                                                      | Cypress                 | MisU                    | S                | Por                    | 2,707                 | 2,729           | 22                                 |                         |                        |       |                    |
| 226         | 2                                   | 43              | x                                                | x                | z                   | z                   | z                                    | z                                                      | Aux Vases               | MisU                    | S                | Por                    | 3,135                 | 3,160           | 25                                 |                         |                        |       |                    |
| 227         | 25                                  | 146             | x                                                | x                | z                   | z                   | z                                    | z                                                      | Levias                  | MisL                    | L                | Por                    | 3,200                 | 3,230           | 30                                 |                         |                        |       |                    |
| 228         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | Rosiclare <sup>28</sup> | MisL                    | L                | Por                    | 3,230                 | 3,260           | 15                                 |                         |                        |       |                    |
| 229         | 9                                   | 68              | x                                                | x                | z                   | z                   | z                                    | z                                                      | McClosky <sup>27</sup>  | MisL                    | L                | Por                    | 3,260                 | 3,320           | 22                                 |                         |                        |       |                    |
| 230         | 0                                   | 8               | x                                                | x                | z                   | z                   | z                                    | z                                                      | Cypress                 | MisU                    | S                | Por                    | 2,464                 | 2,478           | 8                                  |                         |                        |       |                    |
| 231         | 4                                   | 21              | x                                                | x                | z                   | z                   | z                                    | z                                                      | Aux Vases               | MisU                    | S                | Por                    | 3,050                 | 3,065           | 30                                 |                         |                        |       |                    |
| 232         | 12                                  | 48              | x                                                | x                | z                   | z                   | z                                    | z                                                      | Paint Creek Stray       | MisU                    | S                | Por                    | 2,000                 | 2,011           | 11                                 |                         |                        |       |                    |
| 233         | 0                                   | 33              | x                                                | x                | z                   | z                   | z                                    | z                                                      | McClosky                | MisL                    | L                | Por                    | 2,791                 | 2,834           | 8                                  |                         |                        |       |                    |
| 234         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | MisL                    | L                       | Por              | 2,560                  | 2,607                 | 8               |                                    |                         |                        |       |                    |
| 235         | 0                                   | 32              | x                                                | x                | z                   | z                   | z                                    | z                                                      | McClosky                | MisL                    | L                | Por                    | 2,823                 | 2,893           | 8                                  |                         |                        |       |                    |
| 236         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | McClosky                | MisL                    | L                | Por                    | 2,791                 | 2,856           | 16                                 |                         |                        |       |                    |
| 237         | 0                                   | 58              | x                                                | x                | z                   | z                   | z                                    | z                                                      | Levias-McClosky         | MisU                    | S                | Por                    | 2,066                 | 2,077           | 11                                 |                         |                        |       |                    |
| 238         | 0                                   | 20              | x                                                | x                | z                   | z                   | z                                    | z                                                      | Bethel                  | MisU                    | S                | Por                    | 2,740                 | 2,762           | 22                                 |                         |                        |       |                    |
| 239         | 0                                   | 11              | x                                                | x                | z                   | z                   | z                                    | z                                                      | Aux Vases               | MisU                    | S                | Por                    | 2,771                 | 2,782           | 11                                 |                         |                        |       |                    |
| 240         | 0                                   | 5               | x                                                | x                | z                   | z                   | z                                    | z                                                      | Levias <sup>28</sup>    | MisL                    | L                | Por                    | 2,823                 | 2,830           | 7                                  |                         |                        |       |                    |
| 241         | 0                                   | 3               | x                                                | x                | z                   | z                   | z                                    | z                                                      | McClosky <sup>28</sup>  | MisL                    | L                | Por                    | 2,823                 | 2,830           | 7                                  |                         |                        |       |                    |
| 242         | 0                                   | 12              | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 243         | 0                                   | 2               | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 244         | 0                                   | 12              | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 245         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 246         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 247         | 0                                   | 2               | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 248         | 0                                   | 12              | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 249         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 250         | 0                                   | 11              | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 251         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 252         | 0                                   | 10              | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 253         | 0                                   | 146             | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 254         | 0                                   | 81              | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 255         | 0                                   | 80              | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 256         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |
| 257         | 0                                   | 1               | x                                                | x                | z                   | z                   | z                                    | z                                                      | z                       | z                       | z                | z                      | z                     | z               | z                                  | z                       | z                      |       |                    |

TABLE I.—(Continued)

| Line Number | Field, County                         | Year of Discovery  | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas |             |           |                       |          |
|-------------|---------------------------------------|--------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|--------------------------|-------------|-----------|-----------------------|----------|
|             |                                       |                    | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942 | During 1942 |           | Temporarily Shut Down | End 1942 |
|             |                                       |                    |                    |                  |                            |             |                                        |             |                          | Completed   | Abandoned |                       |          |
| 258         | Elk Prairie, Jefferson.....           | 1938 <sup>29</sup> | 10                 | 0                | 700                        | 0           | 0                                      | 0           | 1                        | 0           | 0         | 0                     | 0        |
| 259         | Ina, Jefferson.....                   | 1938 <sup>30</sup> | 10                 | 0                | 15,000                     | 0           | 0                                      | 0           | 1                        | 0           | 0         | 0                     | 0        |
| 260         | Marcoe, Jefferson.....                | 1938 <sup>31</sup> | 20                 | 0                | 12,500                     | 0           | 0                                      | 0           | 2                        | 0           | 0         | 0                     | 0        |
| 261         | Ruark, Lawrence.....                  | 1941               | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0                     | 0        |
| 262         | Russellville gas, Lawrence.           | 1937               | 0                  | 1,670            | 0                          | 0           | 4,290                                  | 1,472       | 54                       | 5           | 0         | 0                     | 0        |
| 263         |                                       |                    | 0                  | 1,600            | 0                          | 0           | x                                      | x           | 11                       | 3           | 0         | 0                     | 0        |
| 264         |                                       |                    | 0                  | 270              | 0                          | 0           | x                                      | x           | 43                       | 2           | 0         | 0                     | 0        |
| 265         | St. Francisville East, Lawrence       | 1941               | 90                 | 0                | 47,000                     | x           | x                                      | x           | 9                        | 6           | 0         | 0                     | 0        |
| 266         | Carlinville North, Macoupin           | 1941               | 30                 | 0                | x                          | 350         | 0                                      | 0           | 3                        | 0           | 0         | 0                     | 0        |
| 267         | Plainview, Macoupin.....              | 1942               | 10                 | 0                | 500                        | 500         | 0                                      | 0           | 1                        | 1           | 0         | 0                     | 0        |
| 268         | St. Jacob, Madison.....               | 1942               | 720                | 0                | 261,000                    | 261,000     | 0                                      | 0           | 23                       | 23          | 0         | 0                     | 0        |
| 269         | Alma, Marion.....                     | 1941               | 20                 | 0                | 27,000                     | 19,000      | 0                                      | 0           | 3                        | 1           | 1         | 0                     | 0        |
| 270         | Patoka, Marion.....                   | 1937               | 910                | 0                | 2,839,000                  | 343,000     | 0                                      | 0           | 130                      | 0           | 0         | 0                     | 0        |
| 271         |                                       |                    | 885                | 0                | x                          | x           | 0                                      | 0           | 127                      | 0           | 0         | 0                     | 0        |
| 272         |                                       |                    | 25                 | 0                | x                          | x           | 0                                      | 0           | 3                        | 0           | 0         | 0                     | 0        |
| 273         | Patoka East, Marion.....              | 1941               | 430                | 0                | 1,343,000                  | 680,000     | 0                                      | 0           | 56                       | 0           | 0         | 0                     | 0        |
| 274         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 51                       | 0           | 0         | 0                     | 0        |
| 275         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 5                        | 0           | 0         | 0                     | 0        |
| 276         | Salem, Marion.....                    | 1938               | 9,120              | 0                | 167,052,000                | 14,786,000  | 0                                      | 0           | 2,418                    | 2           | 24        | 51                    | 2,418    |
| 277         |                                       |                    | 9,120              | 0                | x                          | x           | 0                                      | 0           | 460                      | 1           | 9         | 6                     | 4        |
| 278         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 152                      | 0           | 5         | 0                     | 1        |
| 279         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0                     | 0        |
| 280         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 550                      | 0           | 5         | 16                    | 4        |
| 281         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 8                        | 0           | 0         | 0                     | 0        |
| 282         |                                       |                    | 5,000              | 0                | 32,821,000                 | 1,291,000   | 0                                      | 0           | 541                      | 0           | 5         | 12                    | 4        |
| 283         |                                       |                    | 1,000              | 0                | 1,713,000                  | 795,000     | 0                                      | 0           |                          |             |           |                       |          |
| 284         |                                       |                    |                    |                  |                            |             |                                        |             | 706                      | 0           | 0         | 17                    | 0        |
| 285         | Tonti, Marion.....                    | 1939               | 380                | 0                | 5,589,000                  | 859,000     | 0                                      | 0           | 55                       | 0           | 1         | 0                     | 0        |
| 286         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 5                        | 0           | 0         | 0                     | 0        |
| 287         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 15                       | 0           | 0         | 0                     | 0        |
| 288         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 29                       | 0           | 1         | 0                     | 0        |
| 289         |                                       |                    | x                  | 0                | 1,378,000                  | 128,000     | 0                                      | 0           | 6                        | 0           | 0         | 0                     | 0        |
| 290         | Fairman, Marion, Clinton.             | 1939               | 490                | 0                | 741,000                    | 205,000     | 0                                      | 0           | 25                       | 0           | 0         | 0                     | 0        |
| 291         | Mt. Olive, Montgomery.....            | 1942               | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0                     | 0        |
| 292         | Raymond, Montgomery.....              | 1940               | 30                 | 0                | 3,000                      | 500         | 0                                      | 0           | 3                        | 0           | 0         | 0                     | 0        |
| 293         | Waggoner, Montgomery.....             | 1940               | 40                 | 0                | 4,000                      | 1,000       | 0                                      | 0           | 4                        | 0           | 0         | 0                     | 0        |
| 294         | Tamaroa, Perry.....                   | 1942               | 50                 | 0                | 2,000                      | 2,000       | 0                                      | 0           | 3                        | 3           | 0         | 1                     | 0        |
| 295         | Amity, Richland.....                  | 1942               | 10                 | 0                | 1,000                      | 1,000       | 0                                      | 0           | 1                        | 1           | 0         | 0                     | 0        |
| 296         | Bonpas, Richland.....                 | 1941               | 20                 | 0                | 45,000                     | 26,000      | 0                                      | 0           | 1                        | 1           | 0         | 0                     | 0        |
| 297         | Bonpas West, Richland.....            | 1941               | 160                | 0                | 81,000                     | 34,000      | 0                                      | 0           | 10                       | 3           | 1         | 0                     | 0        |
| 298         |                                       |                    | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0                     | 0        |
| 299         |                                       |                    | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0                     | 0        |
| 300         |                                       |                    | 140                | 0                | x                          | x           | 0                                      | 0           | 8                        | 3           | 1         | 0                     | 0        |
| 301         | Noble, Richland.....                  | 1937               | 4,200              | 10               | 14,660,000                 | 2,548,000   | x                                      | x           | 291                      | 27          | 0         | 9                     | 2        |
| 302         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 114                      | 25          | 0         | 4                     | 1        |
| 303         |                                       |                    | x                  | 10               | x                          | x           | x                                      | x           | 177                      | 2           | 0         | 5                     | 1        |
| 304         | Olney, Richland.....                  | 1937               | 430                | 0                | 1,218,000                  | 123,000     | 0                                      | 0           | 39                       | 2           | 2         | 0                     | 0        |
| 305         | Schnell, Richland.....                | 1938               | 40                 | 0                | 174,000                    | 11,000      | 0                                      | 0           | 4                        | 0           | 0         | 0                     | 0        |
| 306         | Stringtown, Richland.....             | 1941               | 140                | 0                | 116,000                    | 101,000     | 0                                      | 0           | 8                        | 5           | 0         | 0                     | 0        |
| 307         | Parkersburg, Richland, Edwards        | 1941               | 630                | 0                | 2,109,000                  | 1,366,000   | 0                                      | 0           | 36                       | 12          | 0         | 0                     | 0        |
| 308         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0                     | 0        |
| 309         |                                       |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 35                       | 11          | 0         | 0                     | 0        |
| 310         | Dundas Consolidated, Richland, Jasper | 1939               | 6,540              | 0                | 9,442,000                  | 2,353,000   | 0                                      | 0           | 279                      | 39          | 1         | 0                     | 2        |

<sup>29</sup> Abandoned 1940.<sup>30</sup> Abandoned 1941.<sup>31</sup> Abandoned 1941.

TABLE I.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                 | Reservoir Pressure, <sup>4</sup> Lb. per Sq. In. | Character of Oil | Producing Formation |                  |                        |                       |                 |                     |    |                         |                        |       | Deepest Zone Tested to End of 1942 |  |
|-------------|-------------------------------------|-----------------|--------------------------------------------------|------------------|---------------------|------------------|------------------------|-----------------------|-----------------|---------------------|----|-------------------------|------------------------|-------|------------------------------------|--|
|             | Number of Wells                     |                 |                                                  |                  | Name                | Age <sup>6</sup> | Character <sup>7</sup> | Porosity <sup>8</sup> | Depth, Avg. Ft. |                     |    | Net Thickness, Avg. Ft. | Structure <sup>9</sup> | Name  | Depth of Hole, Ft.                 |  |
|             | Flowing                             | Artificial Lift |                                                  |                  |                     |                  |                        |                       | Top Prod. Zone  | Bottoms Prod. Wells |    |                         |                        |       |                                    |  |
| 258         | 0                                   | 0               | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 2,718           | 2,751               | 7  | D                       | MisL                   | 2,958 |                                    |  |
| 259         | 0                                   | 0               | z                                                | z                | St. Louis           | MisL             | L                      | Por                   | 3,002           | 3,007               | 5  | D                       | MisL                   | 3,064 |                                    |  |
| 260         | 0                                   | 0               | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 2,746           | 2,765               | 11 | D                       | MisL                   | 3,066 |                                    |  |
| 261         | 0                                   | 1               | z                                                | z                | Buchanan            | Pen              | S                      | Por                   | 1,514           | 1,531               | 14 | D                       | MisL                   | 2,320 |                                    |  |
| 262         | 0                                   | 0               | z                                                | z                |                     |                  |                        |                       |                 |                     |    | A                       | Dev                    | 3,133 |                                    |  |
| 263         | 0                                   | 0               | z                                                | z                | Bridgeport          | Pen              | S                      | Por                   | 760             | 793                 | 15 |                         |                        |       |                                    |  |
| 264         | 0                                   | 0               | z                                                | z                | Buchanan            | Pen              | S                      | Por                   | 1,108           | 1,119               | 11 |                         |                        |       |                                    |  |
| 265         | 0                                   | 9               | z                                                | z                | Bethel              | MisU             | S                      | Por                   | 1,765           | 1,773               | 8  | A                       | MisL                   | 1,962 |                                    |  |
| 266         | 0                                   | 3               | z                                                | z                | Pennsylvanian       | Pen              | S                      | Por                   | 443             | 462                 | 10 | D                       | Pen                    | 527   |                                    |  |
| 267         | 0                                   | 1               | z                                                | z                | Pennsylvanian       | Pen              | S                      | Por                   | 400             | 405                 | 5  | A                       | Pen                    | 421   |                                    |  |
| 268         | 0                                   | 23              | z                                                | z                | "Trenton"           | Ord              | L                      | Por                   | 2,280           | 2,340               | 30 | A                       | Ord                    | 2,484 |                                    |  |
| 269         | 0                                   | 2               | z                                                | z                | Bethel, Rosiclare   | Mis U-L          | S                      | Por                   | 1,931           | 2,110               | 21 | A                       | A                      | Dev   | 3,692                              |  |
| 270         | 0                                   | 105             | z                                                | z                |                     |                  |                        |                       |                 |                     |    | A                       | Dev                    | 2,956 |                                    |  |
| 271         | 0                                   | 102             | z                                                | 30               | Bethel              | MisU             | S                      | Por                   | 1,424           | 1,449               | 25 |                         |                        |       |                                    |  |
| 272         | 0                                   | 3               | z                                                | 50               | Rosiclare           | MisL             | L                      | Por                   | 1,562           | 1,572               | 10 |                         |                        |       |                                    |  |
| 273         | 0                                   | 56              | z                                                | z                |                     |                  |                        |                       |                 |                     |    | A                       | MisL                   | 1,737 |                                    |  |
| 274         | 0                                   | 51              | z                                                | z                | Cypress             | MisU             | S                      | Por                   | 1,340           | 1,360               | 20 |                         |                        |       |                                    |  |
| 275         | 0                                   | 5               | z                                                | z                | Bethel              | MisU             | S                      | Por                   | 1,466           | 1,478               | 12 |                         |                        |       |                                    |  |
| 276         | 0                                   | 2,312           | z                                                | z                |                     |                  |                        |                       |                 |                     |    | A                       | Prairie du Chien       | 5,655 |                                    |  |
| 277         | 0                                   | 441             | z                                                | z                | Bethel              | MisU             | S                      | Por                   | 1,797           | 1,838               | 40 |                         |                        |       |                                    |  |
| 278         | 0                                   | 145             | z                                                | z                | Aux Vases           | MisU             | S                      | Por                   | 1,813           | 1,865               | 28 |                         |                        |       |                                    |  |
| 279         | 0                                   | 1               | z                                                | z                | Rosiclare           | MisL             | S                      | Por                   | 1,950           | 1,965               | 5  |                         |                        |       |                                    |  |
| 280         | 0                                   | 505             | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 1,975           | 2,048               | 17 |                         |                        |       |                                    |  |
| 281         | 0                                   | 8               | z                                                | z                | Salem               | MisL             | L                      | Por                   | 2,156           | 2,222               | 17 |                         |                        |       |                                    |  |
| 282         | 0                                   | 424             | z                                                | z                | Devonian            | Dev              | L                      | Por                   | 3,350           | 3,440               | 60 |                         |                        |       |                                    |  |
| 283         | 0                                   | 99              | z                                                | z                | Trenton             | Ord              | L                      | Por                   | 4,500           | 4,625               | 50 |                         |                        |       |                                    |  |
| 284         | 0                                   | 689             | z                                                | z                |                     |                  |                        |                       |                 |                     |    |                         |                        |       |                                    |  |
| 285         | 0                                   | 54              | z                                                | z                |                     |                  |                        |                       |                 |                     |    | D                       | Dev                    | 3,547 |                                    |  |
| 286         | 0                                   | 5               | z                                                | z                | Bethel              | MisU             | S                      | Por                   | 1,928           | 1,948               | 20 |                         |                        |       |                                    |  |
| 287         | 0                                   | 15              | z                                                | z                | Aux Vases           | MisU             | S                      | Por                   | 2,003           | 2,038               | 30 |                         |                        |       |                                    |  |
| 288         | 0                                   | 28              | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 2,134           | 2,149               | 15 |                         |                        |       |                                    |  |
| 289         | 0                                   | 6               | z                                                | z                | Devonian            | Dev              | L                      | Por                   | 3,490           | 3,505               | 15 |                         |                        |       |                                    |  |
| 290         | 0                                   | 24              | z                                                | z                | Bethel              | MisU             | S                      | Por                   | 1,462           | 1,479               | 8  | D                       | "Trenton"              | 4,100 |                                    |  |
| 291         | 0                                   | 1               | z                                                | z                | Pennsylvanian       | Pen              | S                      | Por                   | 600             | 602                 | 2  | D                       | Pen                    | 602   |                                    |  |
| 292         | 0                                   | 2               | z                                                | z                | Pennsylvanian       | Pen              | S                      | Por                   | 580             | 598                 | 18 | D                       | Pen                    | 598   |                                    |  |
| 293         | 0                                   | 4               | z                                                | z                | Pennsylvanian       | Pen              | S                      | Por                   | 611             | 625                 | 14 | D                       | Dev                    | 1,784 |                                    |  |
| 294         | 0                                   | 2               | z                                                | z                | Weiler              | MisU             | S                      | Por                   | 1,127           | 1,140               | 10 | A                       | MisL                   | 1,530 |                                    |  |
| 295         | 0                                   | 1               | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 2,961           | 2,968               | 7  | A                       | MisL                   | 3,089 |                                    |  |
| 296         | 0                                   | 1               | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 3,120           | 3,200               | 8  | A                       | MisL                   | 3,200 |                                    |  |
| 297         | 0                                   | 8               | z                                                | z                |                     |                  |                        |                       |                 |                     |    | D                       | MisL                   | 3,198 |                                    |  |
| 298         | 0                                   | 1               | z                                                | z                | Bethel              | MisU             | S                      | Por                   | 2,930           | 2,970               | 10 |                         |                        |       |                                    |  |
| 299         | 0                                   | 1               | z                                                | z                | Levias              | MisL             | L                      | Por                   | 3,070           | 3,080               | 10 |                         |                        |       |                                    |  |
| 300         | 0                                   | 6               | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 3,130           | 3,170               | 6  |                         |                        |       |                                    |  |
| 301         | 0                                   | 237             | z                                                | z                |                     |                  |                        |                       |                 |                     |    | A                       | MisL                   | 3,201 |                                    |  |
| 302         | 0                                   | 109             | z                                                | 865±             | Cypress             | MisU             | S                      | Por                   | 2,544           | 2,639               | 20 |                         |                        |       |                                    |  |
| 303         | 0                                   | 128             | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 2,957           | 3,003               | 10 |                         |                        |       |                                    |  |
| 304         | 0                                   | 34              | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 3,052           | 3,073               | 9  | A                       | MisL                   | 3,222 |                                    |  |
| 305         | 0                                   | 4               | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 3,012           | 3,068               | 6  | D                       | MisL                   | 3,120 |                                    |  |
| 306         | 0                                   | 8               | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 3,025           | 3,040               | 8  | D                       | MisL                   | 3,081 |                                    |  |
| 307         | 0                                   | 36              | z                                                | z                |                     |                  |                        |                       |                 |                     |    | A                       | MisL                   | 3,200 |                                    |  |
| 308         | 0                                   | 1               | z                                                | z                | Weiler              | MisU             | S                      | Por                   | 2,832           | 2,850               | 18 |                         |                        |       |                                    |  |
| 309         | 0                                   | 35              | z                                                | z                | McClosky            | MisL             | L                      | Por                   | 3,120           | 3,130               | 12 |                         |                        |       |                                    |  |
| 310         | 0                                   | 275             | z                                                | z                |                     |                  |                        |                       |                 |                     |    | A                       | Dev                    | 4,584 |                                    |  |

TABLE I.—(Continued)

| Line Number | Field, County                  | Year of Discovery  | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas |             |           |          |               |
|-------------|--------------------------------|--------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|--------------------------|-------------|-----------|----------|---------------|
|             |                                |                    | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942 | During 1942 |           | End 1942 | Producing Oil |
|             |                                |                    |                    |                  |                            |             |                                        |             |                          | Completed   | Abandoned |          |               |
| 311         |                                |                    | 30                 | 0                | x                          | x           | 0                                      | 0           | 4                        | 3           | 0         | 0        |               |
| 312         |                                |                    | 20                 | 0                | x                          | x           | 0                                      | 0           | 2                        | 1           | 0         | 0        |               |
| 313         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           |                          |             |           |          |               |
| 314         |                                |                    | 6,500              | 0                | x                          | x           | 0                                      | 0           | 268                      | 32          | 1         | 0        |               |
| 315         |                                |                    | 60                 | 0                | x                          | x           | 0                                      | 0           | 5                        | 3           | 0         | 0        |               |
| 316         | Dundas East, Richland, Jasper  | 1942               | 240                | 0                | 113,000                    | 113,000     | 0                                      | 0           | 11                       | 11          | 0         | 0        |               |
| 317         | Eldorado, Saline.....          | 1941               | 20                 | 0                | 4,000                      | 3,000       | 0                                      | 0           | 2                        | 0           | 0         | 0        |               |
| 318         | Lakewood, Shelby.....          | 1941               | 20                 | 0                | 16,000                     | 8,000       | 0                                      | 0           | 2                        | 0           | 0         | 0        |               |
| 319         |                                |                    | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 320         |                                |                    | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 321         | Stewardson, Shelby.....        | 1939               | 30                 | 0                | 31,000                     | 9,000       | 0                                      | 0           | 3                        | 0           | 0         | 0        |               |
| 322         | Friendsville, Wabash.....      | 1942               | 60                 | 0                | 10,000                     | 10,000      | 0                                      | 0           | 7                        | 7           | 1         | 0        |               |
| 323         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 3                        | 3           | 1         | 0        |               |
| 324         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 3                        | 3           | 0         | 0        |               |
| 325         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0        |               |
| 326         | Keensburg Consolidated, Wabash | 1939               | 2,630              | 0                | 7,766,000                  | 1,704,000   | 0                                      | 0           | 330                      | 28          | 4         | 5        |               |
| 327         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 18                       | 2           | 0         | 2        |               |
| 328         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 2                        | 0           | 0         | 0        |               |
| 329         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 4                        | 0           | 0         | 0        |               |
| 330         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 0                        | 2           | 0         | 0        |               |
| 331         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 247                      | 9           | 4         | 2        |               |
| 332         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0        |               |
| 333         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 8                        | 2           | 0         | 0        |               |
| 334         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 4                        | 2           | 0         | 0        |               |
| 335         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 23                       | 4           | 0         | 1        |               |
| 336         |                                |                    |                    |                  |                            |             |                                        |             | 14                       | 6           | 0         | 0        |               |
| 337         | Keensburg East, Wabash         | 1939               | 20                 | 0                | x                          | x           | 0                                      | 0           | 3                        | 0           | 1         | 0        |               |
| 338         | Maud, Wabash.....              | 1940               | 250                | 0                | 298,000                    | 50,000      | 0                                      | 0           | 20                       | 0           | 1         | 0        |               |
| 339         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 2                        | 0           | 0         | 0        |               |
| 340         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 341         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 342         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 15                       | 0           | 1         | 0        |               |
| 343         |                                |                    |                    |                  |                            |             |                                        |             | 1                        | 0           | 0         | 0        |               |
| 344         | Mt. Carmel, Wabash.....        | 1940               | 1,260              | 0                | 2,739,000                  | 1,019,000   | 0                                      | 0           | 199                      | 10          | 3         | 1        |               |
| 345         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 30                       | 1           | 1         | 0        |               |
| 346         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 347         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 348         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 130                      | 8           | 2         | 1        |               |
| 349         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 350         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 2                        | 0           | 0         | 0        |               |
| 351         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 23                       | 0           | 0         | 0        |               |
| 352         |                                |                    |                    |                  |                            |             |                                        |             | 11                       | 1           | 0         | 0        |               |
| 353         | Mt. Carmel West, Wabash        | 1939               | 20                 | 0                | x                          | x           | 0                                      | 0           | 2                        | 0           | 0         | 0        |               |
| 354         | Patton, Wabash.....            | 1940 <sup>32</sup> | 40                 | 0                | 3,500                      | 1,500       | 0                                      | 0           | 4                        | 0           | 1         | 0        |               |
| 355         |                                |                    | 30                 | 0                | x                          | x           | 0                                      | 0           | 3                        | 0           | 1         | 0        |               |
| 356         |                                |                    | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 357         | Lancaster, Wabash, Lawrence    | 1940               | 340                | 0                | 485,000                    | 45,000      | 0                                      | 0           | 30                       | 2           | 2         | 3        |               |
| 358         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0        |               |
| 359         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 29                       | 1           | 2         | 3        |               |
| 360         | Cordes, Washington.....        | 1939               | 1,440              | 0                | 2,161,000                  | 437,000     | 0                                      | 0           | 131                      | 3           | 1         | 1        |               |
| 361         | Dubois, Washington.....        | 1939               | 140                | 0                | 84,000                     | 27,000      | 0                                      | 0           | 10                       | 1           | 0         | 0        |               |
| 362         | Dubois West, Washington        | 1942               | 10                 | 0                | 2,000                      | 2,000       | 0                                      | 0           | 1                        | 1           | 0         | 0        |               |
| 363         | Irrington, Washington....      | 1940               | 800                | 0                | 2,303,000                  | 749,000     | 0                                      | 0           | 83                       | 9           | 1         | 0        |               |
| 364         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 1                        | 1           | 0         | 0        |               |
| 365         |                                |                    | x                  | 0                | x                          | x           | 0                                      | 0           | 74                       | 8           | 1         | 0        |               |
| 366         |                                |                    | x                  | 0                | x                          | 157,000     | 0                                      | 0           | 7                        | 0           | 0         | 0        |               |
| 367         |                                |                    |                    |                  |                            |             |                                        |             | 1                        | 0           | 0         | 0        |               |
| 368         | McKinley, Washington...        | 1940               | 60                 | 0                | 136,000                    | 45,000      | 0                                      | 0           | 6                        | 0           | 1         | 0        |               |
| 369         |                                |                    | 50                 | 0                | x                          | 39,000      | 0                                      | 0           | 5                        | 0           | 1         | 0        |               |
| 370         |                                |                    | 10                 | 0                | x                          | 6,000       | 0                                      | 0           | 1                        | 0           | 0         | 0        |               |
| 371         | Aden North, Wayne.....         | 1938               | 1,100              | 0                | 2,758,000                  | 272,000     | 0                                      | 0           | 66                       | 1           | 1         | 0        |               |

<sup>32</sup> Biehl sand production since 1936, formerly included in the Allendale pool.



TABLE I.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                 | Reservoir Pressure, <sup>4</sup> Lb. per Sq. In. |                     | Repressuring Operation <sup>d</sup> | Character of Oil                                       |                     | Producing Formation     |                  |                        |                       |                 |                     |                        |      | Deepest Zone Tested to End of 1942 |                         |
|-------------|-------------------------------------|-----------------|--------------------------------------------------|---------------------|-------------------------------------|--------------------------------------------------------|---------------------|-------------------------|------------------|------------------------|-----------------------|-----------------|---------------------|------------------------|------|------------------------------------|-------------------------|
|             | Flowing                             | Artificial Lift | Initial                                          | Avg. at End of 1942 |                                     | Gravity A.P.I. at 60°F., Weighted Average <sup>e</sup> | Subsidiary Per Cent | Name                    | Age <sup>e</sup> | Character <sup>f</sup> | Porosity <sup>g</sup> | Depth, Avg. Ft. |                     | Structure <sup>h</sup> | Name | Depth of Hole, Ft.                 |                         |
|             |                                     |                 |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       | Top Prod. Zone  | Bottoms Prod. Wells |                        |      |                                    | Net Thickness, Avg. Ft. |
| 311         | 0                                   | 4               | x                                                | x                   |                                     | 37.0                                                   | x                   | Cypress                 | MisU             | S                      | Por                   | 2,570           | 2,590               | 23                     |      |                                    |                         |
| 312         | 0                                   | 2               | x                                                | x                   |                                     | 38.0                                                   | x                   | Aux Vases               | MisU             | S                      | Por                   | 2,705           | 2,738               | 10                     |      |                                    |                         |
| 313         |                                     |                 | x                                                | x                   |                                     | x                                                      | x                   | Rosiclare <sup>28</sup> | MisL             | S                      | Por                   | 2,847           | 2,860               | 6                      |      |                                    |                         |
| 314         | 0                                   | 264             | x                                                | x                   |                                     | 38.4                                                   | 0.17                | McClosky                | MisL             | L                      | Por                   | 2,869           | 2,920               | 13                     |      |                                    |                         |
| 315         | 0                                   | 5               |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        |      |                                    |                         |
| 316         | 0                                   | 11              | x                                                | x                   |                                     | x                                                      | x                   | McClosky                | MisL             | L                      | Por                   | 2,999           | 3,007               | 8                      | A    | MisL                               | 3,106                   |
| 317         | 0                                   | 2               | x                                                | x                   |                                     | x                                                      | x                   | McClosky                | MisL             | L                      | Por                   | 2,943           | 2,950               | 5                      | A    | MisL                               | 3,000                   |
| 318         | 0                                   | 2               | x                                                | x                   |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        | D    | MisL                               | 1,875                   |
| 319         | 0                                   | 1               | x                                                | x                   |                                     | 29.6                                                   | x                   | Bethel                  | MisU             | S                      | Por                   | 1,692           | 1,700               | 8                      |      |                                    |                         |
| 320         | 0                                   | 1               | x                                                | x                   |                                     | 31.7                                                   | 0.23                | Aux Vases               | MisU             | S                      | Por                   | 1,723           | 1,735               | 9                      |      |                                    |                         |
| 321         | 0                                   | 3               | x                                                | x                   |                                     | 37.8                                                   | 0.18                | Aux Vases               | MisU             | S                      | Por                   | 1,942           | 1,969               | 5                      | D    | MisU                               | 1,969                   |
| 322         | 0                                   | 6               |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        | A    | MisU                               | 2,686                   |
| 323         | 0                                   | 2               | x                                                | x                   |                                     | x                                                      | x                   | Biehl                   | Pen              | S                      | Por                   | 1,759           | 1,785               | 21                     |      |                                    |                         |
| 324         | 0                                   | 3               | x                                                | x                   |                                     | 37.0                                                   | x                   | Cypress                 | MisU             | S                      | Por                   | 2,289           | 2,301               | 12                     |      |                                    |                         |
| 325         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Bethel                  | MisU             | S                      | Por                   | 2,464           | 2,480               | 10                     |      |                                    |                         |
| 326         | 0                                   | 314             |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        | A    | MisL                               | 3,065                   |
| 327         | 0                                   | 16              | x                                                | x                   |                                     | 38.0                                                   | x                   | Biehl                   | Pen              | S                      | Por                   | 1,719           | 1,733               | 14                     |      |                                    |                         |
| 328         | 0                                   | 2               | x                                                | x                   |                                     | x                                                      | x                   | Clare                   | MisU             | S                      | Por                   | 1,811           | 1,823               | 9                      |      |                                    |                         |
| 329         | 0                                   | 4               | x                                                | x                   |                                     | x                                                      | x                   | Palestine               | MisU             | S                      | Por                   | 1,830           | 1,846               | 16                     |      |                                    |                         |
| 330         | 0                                   | 9               | x                                                | x                   |                                     |                                                        |                     | Tar Springs             | MisU             | S                      | Por                   | 2,060           | 2,075               | 15                     |      |                                    |                         |
| 331         | 0                                   | 234             | x                                                | x                   |                                     | 38.6                                                   | 0.29                | Cypress                 | MisU             | S                      | Por                   | 2,444           | 2,462               | 18                     |      |                                    |                         |
| 332         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Paint Creek             | MisU             | S                      | Por                   | 2,550           | 2,570               | 12                     |      |                                    |                         |
| 333         | 0                                   | 8               | x                                                | x                   |                                     | 36.6                                                   | x                   | Bethel                  | MisU             | S                      | Por                   | 2,570           | 2,588               | 18                     |      |                                    |                         |
| 334         | 0                                   | 4               | x                                                | x                   |                                     | x                                                      | x                   | Aux Vases               | MisU             | S                      | Por                   | 2,760           | 2,790               | 30                     |      |                                    |                         |
| 335         | 0                                   | 22              | x                                                | x                   |                                     | 37.9                                                   | 0.38                | McClosky                | MisL             | L                      | Por                   | 2,790           | 2,797               | 7                      |      |                                    |                         |
| 336         | 0                                   | 14              | x                                                | x                   |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        |      |                                    |                         |
| 337         | 0                                   | 2               | x                                                | x                   |                                     | 37.6                                                   | 0.26                | McClosky                | MisL             | L                      | Por                   | 2,703           | 2,714               | 6                      | D    | MisL                               | 2,714                   |
| 338         | 0                                   | 17              | x                                                | x                   |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        | D    | MisL                               | 2,671                   |
| 339         | 0                                   | 2               | x                                                | x                   |                                     | 37.7                                                   | x                   | Waltersburg             | MisU             | S                      | Por                   | 1,935           | 1,956               | 21                     |      |                                    |                         |
| 340         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Mississippian U         | MisU             | S                      | Por                   | 2,120           | 2,132               | 12                     |      |                                    |                         |
| 341         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Rosiclare               | MisL             | S                      | Por                   | 2,639           | 2,650               | 9                      |      |                                    |                         |
| 342         | 0                                   | 12              | x                                                | x                   |                                     | 38.0                                                   | 0.30                | McClosky                | MisL             | L                      | Por                   | 2,650           | 2,658               | 8                      |      |                                    |                         |
| 343         | 0                                   | 1               |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        |      |                                    |                         |
| 344         | 0                                   | 193             | x                                                |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        |      |                                    |                         |
| 345         | 0                                   | 27              | x                                                | x                   |                                     | 32.0                                                   | x                   | Biehl                   | Pen              | S                      | Por                   | 1,450           | 1,464               | 14                     |      |                                    |                         |
| 346         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Palestine               | MisU             | S                      | Por                   | 1,540           | 1,550               | 10                     |      |                                    |                         |
| 347         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Tar Springs             | MisU             | S                      | Por                   | 1,790           | 1,794               | 4                      |      |                                    |                         |
| 348         | 0                                   | 127             | x                                                | x                   |                                     | 38.4                                                   | x                   | Cypress                 | MisU             | S                      | Por                   | 2,033           | 2,045               | 15                     |      |                                    |                         |
| 349         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Bethel                  | MisU             | S                      | Por                   | 2,100           | 2,115               | 15                     |      |                                    |                         |
| 350         | 0                                   | 2               | x                                                | x                   |                                     | 36.6                                                   | 0.36                | Rosiclare               | MisL             | S                      | Por                   | 2,360           | 2,364               | 4                      |      |                                    |                         |
| 351         | 0                                   | 23              | x                                                | x                   |                                     | 38.4                                                   | 0.42                | McClosky                | MisL             | L                      | Por                   | 2,370           | 2,380               | 10                     |      |                                    |                         |
| 352         | 0                                   | 11              |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        |      |                                    |                         |
| 353         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Tar Springs             | MisU             | S                      | Por                   | 1,940           | 1,955               | 15                     | D    | MisL                               | 2,556                   |
| 354         | 0                                   | 3               |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        | A    | MisL                               | 2,313                   |
| 355         | 0                                   | 2               | x                                                | x                   |                                     | x                                                      | x                   | Biehl                   | Pen              | S                      | Por                   | 1,470           | 1,485               | 15                     |      |                                    |                         |
| 356         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | McClosky                | MisL             | L                      | Por                   | 2,309           | 2,313               | 4                      |      |                                    |                         |
| 357         | 0                                   | 20              |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        | A    | MisL                               | 2,765                   |
| 358         | 0                                   | 1               | x                                                | x                   |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        |      |                                    |                         |
| 359         | 0                                   | 18              | x                                                | x                   |                                     | 39.8                                                   | 0.28                | Bethel                  | MisU             | S                      | Por                   | 2,533           | 2,550               | 11                     |      |                                    |                         |
| 360         | 1                                   | 128             | x                                                | x                   |                                     | 37.4                                                   | 0.19                | McClosky                | MisL             | L                      | Por                   | 2,683           | 2,700               | 9                      |      |                                    |                         |
| 361         | 0                                   | 10              | x                                                | x                   |                                     | 38.0                                                   | 0.26                | Bethel                  | MisU             | S                      | Por                   | 1,259           | 1,285               | 17                     | A    | MisL                               | 1,550                   |
| 362         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Bethel                  | MisU             | S                      | Por                   | 1,359           | 1,370               | 11                     | D    | Dev                                | 3,537                   |
| 363         | 0                                   | 82              |                                                  |                     |                                     |                                                        |                     |                         | MisU             | S                      | Por                   | 1,346           | 1,352               | 6                      | A    | MisL                               | 1,685                   |
| 364         | 0                                   | 1               | x                                                | x                   |                                     | x                                                      | x                   | Weiler                  | MisU             | S                      | Por                   | 1,386           | 1,410               | 14                     | A    | Dev                                | 3,150                   |
| 365         | 0                                   | 73              | x                                                | x                   |                                     | 37.6                                                   | 0.16                | Bethel                  | MisU             | S                      | Por                   | 1,537           | 1,550               | 10                     |      |                                    |                         |
| 366         | 0                                   | 7               | x                                                | x                   |                                     | 39.0                                                   | 0.27                | Devonian                | Dev              | L                      | Por                   | 3,092           | 3,150               | 5                      |      |                                    |                         |
| 367         | 0                                   | 1               |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        |      |                                    |                         |
| 368         | 0                                   | 5               |                                                  |                     |                                     |                                                        |                     |                         |                  |                        |                       |                 |                     |                        | D    | Dev                                | 2,567                   |
| 369         | 0                                   | 4               | x                                                | x                   |                                     | 44.1                                                   | 0.18                | Renault                 | MisU             | S                      | Por                   | 982             | 996                 | 14                     |      |                                    |                         |
| 370         | 0                                   | 1               | x                                                | x                   |                                     | 41.7                                                   | x                   | Devonian                | Dev              | L                      | Por                   | 2,250           | 2,272               | 4                      |      |                                    |                         |
| 371         | 0                                   | 61              | x                                                | x                   |                                     | 39.0                                                   | 0.17                | McClosky                | MisL             | L                      | Por                   | 3,321           | 3,341               | 12                     | A    | Dev                                | 5,393                   |

TABLE I.—(Continued)

| Line Number | Field, County                          | Year of Discovery | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas Well |             |           |                       |                            |
|-------------|----------------------------------------|-------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|-------------------------------|-------------|-----------|-----------------------|----------------------------|
|             |                                        |                   | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942      | During 1942 |           | End of 1942           |                            |
|             |                                        |                   |                    |                  |                            |             |                                        |             |                               | Completed   | Abandoned | Temporarily Shut Down | Producing Oil <sup>c</sup> |
| 372         | Barnhill, Wayne.....                   | 1939              | 880                | 0                | 1,582,000                  | 122,000     | 0                                      | 0           | 64                            | 0           | 3         | 0                     | 59                         |
| 373         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 61                            | 0           | 3         | 0                     | 56                         |
| 374         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 375         |                                        |                   |                    |                  |                            |             |                                        |             | 2                             | 0           | 0         | 0                     | 2                          |
| 376         | Barnhill East, <sup>33</sup> Wayne...  | 1939              | 60                 | 0                | 35,000                     | x           | 0                                      | 0           | 5                             | 1           | 0         | 0                     | 4                          |
| 377         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 1           | 0         | 0                     | 1                          |
| 378         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 379         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 380         | Boyleston, Wayne.....                  | 1938              | 1,920              | 0                | 3,023,000                  | 672,000     | 0                                      | 0           | 114                           | 14          | 3         | 0                     | 111                        |
| 381         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 382         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 383         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 109                           | 11          | 3         | 0                     | 106                        |
| 384         |                                        |                   |                    |                  |                            |             |                                        |             | 3                             | 2           | 0         | 0                     | 3                          |
| 385         | Cisne, Wayne.....                      | 1937              | 920                | 0                | 2,640,000                  | 178,000     | 0                                      | 0           | 48                            | 1           | 0         | 0                     | 46                         |
| 386         |                                        |                   |                    |                  | x                          | x           | 0                                      | 0           | 2                             | 0           | 0         | 0                     | 2                          |
| 387         |                                        |                   |                    |                  | x                          | x           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 388         |                                        |                   |                    |                  | x                          | x           | 0                                      | 0           | 45                            | 1           | 0         | 0                     | 43                         |
| 389         | Cisne North, Wayne.....                | 1942              | 20                 | 0                | 2,000                      | 2,000       | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 390         | Coil, Wayne.....                       | 1942              | 340                | 0                | 253,000                    | 253,000     | 0                                      | 0           | 14                            | 14          | 1         | 0                     | 13                         |
| 391         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 12                            | 12          | 1         | 0                     | 11                         |
| 392         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 2           | 0         | 0                     | 2                          |
| 393         | Covington, Wayne.....                  | 1942              | 890                | 0                | 1,070,000                  | 1,070,000   | 0                                      | 0           | 32                            | 32          | 0         | 0                     | 32                         |
| 394         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 395         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 4                             | 4           | 0         | 0                     | 4                          |
| 396         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 25                            | 25          | 0         | 0                     | 25                         |
| 397         |                                        |                   |                    |                  |                            |             |                                        |             | 2                             | 2           | 0         | 0                     | 2                          |
| 398         | Fairfield, Wayne.....                  | 1942              | 10                 | 0                | 1,000                      | 1,000       | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 399         | Geff, Wayne.....                       | 1941              | 290                | 0                | 120,000                    | 116,000     | 0                                      | 0           | 15                            | 14          | 0         | 0                     | 15                         |
| 400         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 12                            | 12          | 0         | 0                     | 12                         |
| 401         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                             | 2           | 0         | 0                     | 3                          |
| 402         | Geff West, Wayne.....                  | 1942              | 240                | 0                | 12,000                     | 12,000      | 0                                      | 0           | 3                             | 3           | 0         | 0                     | 3                          |
| 403         | Goldengate, Wayne.....                 | 1939              | 40                 | 0                | 17,000                     | x           | 0                                      | 0           | 3                             | 1           | 0         | 2                     | 1                          |
| 404         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 405         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                             | 0           | 0         | 2                     | 0                          |
| 406         | Johnsonville, Wayne.....               | 1941              | 3,790              | 0                | 10,668,000                 | 5,136,000   | 0                                      | 0           | 247                           | 30          | 0         | 0                     | 247                        |
| 407         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 33                            | 14          | 0         | 0                     | 33                         |
| 408         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                               |             |           |                       |                            |
| 409         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 207                           | 11          | 0         | 0                     | 207                        |
| 410         |                                        |                   |                    |                  |                            |             |                                        |             | 7                             | 5           | 0         | 0                     | 7                          |
| 411         | Johnsonville South, Wayne              | 1942              | 20                 | 0                | 2,000                      | 2,000       | 0                                      | 0           | 2                             | 2           | 0         | 0                     | 2                          |
| 412         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 413         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 414         | Johnsonville West, <sup>34</sup> Wayne | 1942              | 10                 | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 1         | 0                     | 0                          |
| 415         | Leech Township, Wayne...               | 1938              | 240                | 0                | 353,000                    | 51,000      | 0                                      | 0           | 14                            | 0           | 0         | 0                     | 14                         |
| 416         | Mt. Erie, Wayne.....                   | 1938              | 320                | 0                | 97,000                     | 86,000      | 0                                      | 0           | 11                            | 10          | 0         | 0                     | 11                         |
| 417         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                             | 3           | 0         | 0                     | 3                          |
| 418         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 419         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 6                             | 5           | 0         | 0                     | 6                          |
| 420         |                                        |                   |                    |                  |                            |             |                                        |             | 1                             | 1           | 0         | 0                     | 1                          |
| 421         | Mt. Erie South, <sup>35</sup> Wayne... | 1939              | 10                 | 0                | 9,000                      | 2,000       | 0                                      | 0           | 2                             | 1           | 0         | 0                     | 1                          |
| 422         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 1           | 0         | 0                     | 1                          |
| 423         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 1                          |
| 424         | Mayberry, Wayne.....                   | 1941              | 330                | 0                | 106,000                    | 100,000     | 0                                      | 0           | 6                             | 2           | 0         | 0                     | 6                          |
| 425         | Rinard, <sup>36</sup> Wayne.....       | 1937              | 10                 | 0                | 15,000                     | 0           | 0                                      | 0           | 1                             | 0           | 0         | 0                     | 0                          |
| 426         | Sims, Wayne.....                       | 1941              | 1,610              | 0                | 1,664,000                  | 1,623,000   | 0                                      | 0           | 56                            | 52          | 1         | 0                     | 55                         |
| 427         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 10                            | 6           | 0         | 0                     | 10                         |
| 428         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                               |             |           |                       |                            |
| 429         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                               |             |           |                       |                            |
| 430         |                                        |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                               |             |           |                       |                            |
| 431         |                                        |                   |                    |                  |                            |             |                                        |             | 28                            | 28          | 1         | 0                     | 27                         |
| 432         | Sims North, Wayne.....                 | 1942              | 190                | 0                | 75,000                     | 75,000      | 0                                      | 0           | 18                            | 18          | 0         | 0                     | 18                         |
| 433         |                                        |                   |                    |                  |                            |             |                                        |             | 7                             | 7           | 1         | 0                     | 6                          |

<sup>33</sup> Barnhill East wells formerly part of Goldengate Pool.<sup>34</sup> Abandoned 1942.<sup>35</sup> Abandoned 1941, revived 1942.<sup>36</sup> Abandoned 1939, revived August 1940.

TABLE I.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                 | Reservoir Pressure, <sup>4</sup> Lb. per Sq. In. |                     | Repressuring Operation <sup>4</sup> | Character of Oil                                        |                   | Producing Formation     |                  |                        |                       |                 |                     |                         |                        |      |                    | Deepest Zone Tested to End of 1942 |  |
|-------------|-------------------------------------|-----------------|--------------------------------------------------|---------------------|-------------------------------------|---------------------------------------------------------|-------------------|-------------------------|------------------|------------------------|-----------------------|-----------------|---------------------|-------------------------|------------------------|------|--------------------|------------------------------------|--|
|             | Flowing                             | Artificial Lift | Initial                                          | Avg. at End of 1942 |                                     | Gravity A.P.I. at 60° F., Weighted Average <sup>5</sup> | Sulphur, Per Cent | Name                    | Age <sup>6</sup> | Character <sup>7</sup> | Porosity <sup>8</sup> | Depth, Avg. Ft. |                     | Net Thickness, Avg. Ft. | Structure <sup>9</sup> | Name | Depth of Hole, Ft. |                                    |  |
|             |                                     |                 |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       | Top Prod. Zone  | Bottoms Prod. Wells |                         |                        |      |                    |                                    |  |
| 372         | 0                                   | 59              |                                                  |                     |                                     | 37.6                                                    | 0.17              | McClosky                | MisL             | L                      | Por                   | 3,385           | 3,411               | 11                      |                        | A    | MisL               | 3,855                              |  |
| 373         | 0                                   | 56              | x                                                | x                   |                                     | x                                                       | x                 | Salem                   | MisL             | L                      | Por                   | 3,792           | 3,855               | y                       |                        |      |                    |                                    |  |
| 374         | 0                                   | 1               | x                                                | x                   |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 375         | 0                                   | 2               | x                                                | x                   |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 376         |                                     |                 |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 377         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Aux Vases               | MisU             | S                      | Por                   | 3,238           | 3,350               | 12                      |                        |      |                    |                                    |  |
| 378         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Rosiclare               | MisL             | S                      | Por                   | 3,318           | 3,345               | 5                       |                        |      |                    |                                    |  |
| 379         | 0                                   | 2               | x                                                | x                   |                                     | 34.4                                                    | 0.18              | McClosky                | MisL             | L                      | Por                   | 3,377           | 3,399               | 7                       |                        | D    | MisL               | 3,532                              |  |
| 380         | 0                                   | 111             |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        | A    | MisL               | 349.4                              |  |
| 381         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Levias                  | MisL             | L                      | Por                   | 3,214           | 3,235               | 11                      |                        |      |                    |                                    |  |
| 382         | 0                                   | 1               | x                                                | x                   |                                     | 40.2                                                    | 0.14              | Rosiclare               | MisL             | S                      | Por                   | 3,250           | 3,260               | 4                       |                        |      |                    |                                    |  |
| 383         | 0                                   | 106             | x                                                | x                   |                                     | 40.2                                                    | 0.14              | McClosky                | MisL             | L                      | Por                   | 3,260           | 3,280               | 14                      |                        |      |                    |                                    |  |
| 384         | 0                                   | 3               |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 385         | 0                                   | 46              |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        | A    | St. Peter          | 7,207                              |  |
| 386         | 0                                   | 2               | x                                                | x                   |                                     | 38.5                                                    | x                 | Aux Vases               | MisU             | S                      | Por                   | 2,982           | 3,029               | 13                      |                        |      |                    |                                    |  |
| 387         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Rosiclare               | MisL             | S                      | Por                   | 3,010           | 3,160               | 4                       |                        |      |                    |                                    |  |
| 388         | 0                                   | 43              | x                                                | x                   |                                     | 35.8                                                    | 0.24              | McClosky                | MisL             | L                      | Por                   | 3,121           | 3,178               | 15                      |                        |      |                    |                                    |  |
| 389         | 0                                   | 1               | x                                                | x                   |                                     | 39.0                                                    | x                 | McClosky                | MisL             | L                      | Por                   | 3,170           | 3,185               | 10                      | A                      | MisL | 3,237              |                                    |  |
| 390         | 0                                   | 13              |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         | A                      | MisL | 3,180              |                                    |  |
| 391         | 0                                   | 11              | x                                                | x                   |                                     | 37.1                                                    | 0.20              | Aux Vases               | MisU             | S                      | Por                   | 2,860           | 2,876               | 16                      |                        |      |                    |                                    |  |
| 392         | 0                                   | 2               | x                                                | x                   |                                     | 37.5                                                    | x                 | McClosky                | MisL             | L                      | Por                   | 2,971           | 2,974               | 3                       |                        | D    | MisL               | 3,324                              |  |
| 393         | 0                                   | 32              |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 394         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Aux Vases               | MisU             | S                      | Por                   | 3,115           | 3,133               | 18                      |                        |      |                    |                                    |  |
| 395         | 0                                   | 4               | x                                                | x                   |                                     | 40.0                                                    | x                 | Levias                  | MisL             | L                      | Por                   | 3,209           | 3,220               | 5                       |                        |      |                    |                                    |  |
| 396         | 0                                   | 25              | x                                                | x                   |                                     | 40.0                                                    | x                 | McClosky                | MisL             | L                      | Por                   | 3,238           | 3,246               | 8                       |                        |      |                    |                                    |  |
| 397         | 0                                   | 2               |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 398         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Aux Vases               | MisU             | S                      | Por                   | 3,236           | 3,255               | 14                      | A                      | MisL | 3,389              |                                    |  |
| 399         | 0                                   | 15              |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         | D                      | MisL | 3,319              |                                    |  |
| 400         | 0                                   | 12              | x                                                | x                   |                                     | x                                                       | x                 | Aux Vases               | MisU             | S                      | Por                   | 3,065           | 3,080               | 14                      |                        |      |                    |                                    |  |
| 401         | 0                                   | 3               | x                                                | x                   |                                     | 29.4                                                    | x                 | McClosky                | MisL             | L                      | Por                   | 3,135           | 3,180               | 3                       |                        |      |                    |                                    |  |
| 402         | 0                                   | 3               | x                                                | x                   |                                     | x                                                       | x                 | Aux Vases               | MisU             | S                      | Por                   | 3,129           | 3,150               | 12                      | D                      | MisL | 3,320              |                                    |  |
| 403         | 0                                   | 1               |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         | D                      | Dev  | 5,645              |                                    |  |
| 404         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Rosiclare               | MisL             | S                      | Por                   | 3,318           | 3,345               | 5                       |                        |      |                    |                                    |  |
| 405         | 0                                   | 0               | x                                                | x                   |                                     | 34.4                                                    | 0.18              | McClosky                | MisL             | L                      | Por                   | 3,377           | 3,399               | 7                       |                        |      |                    |                                    |  |
| 406         | 0                                   | 247             |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         | A                      | MisL | 3,389              |                                    |  |
| 407         | 0                                   | 33              | x                                                | x                   |                                     | 39.4                                                    | 0.41              | Aux Vases               | MisU             | S                      | Por                   | 2,980           | 3,040               | 12                      |                        |      |                    |                                    |  |
| 408         | 0                                   |                 | x                                                | x                   |                                     | x                                                       | x                 | Levias <sup>28</sup>    | MisL             | L                      | Por                   | 3,040           | 3,070               | 10                      |                        |      |                    |                                    |  |
| 409         | 0                                   | 207             | x                                                | x                   |                                     | 39.4                                                    | 0.16              | McClosky                | MisL             | L                      | Por                   | 3,070           | 3,150               | 15                      |                        |      |                    |                                    |  |
| 410         | 0                                   | 7               |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 411         | 0                                   | 2               |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 412         | 0                                   | 1               | x                                                | x                   |                                     | 39.0                                                    | x                 | Aux Vases               | MisU             | S                      | Por                   | 3,032           | 3,052               | 20                      |                        | A    | MisL               | 3,237                              |  |
| 413         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | McClosky                | MisL             | L                      | Por                   | 3,212           | 3,215               | 3                       |                        |      |                    |                                    |  |
| 414         | 0                                   | 0               | x                                                | x                   |                                     | x                                                       | x                 | McClosky                | MisL             | L                      | Por                   | 3,107           | 3,115               | 6                       |                        | A    | MisL               | 3,185                              |  |
| 415         | 0                                   | 14              | x                                                | x                   |                                     | 39.0                                                    | 0.19              | McClosky                | MisL             | L                      | Por                   | 3,413           | 3,453               | 11                      |                        | D    | MisL               | 3,485                              |  |
| 416         | 0                                   | 11              |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         | D                      | MisL | 3,215              |                                    |  |
| 417         | 0                                   | 3               | x                                                | x                   |                                     | 39.2                                                    | 0.11              | Aux Vases               | MisU             | S                      | Por                   | 2,973           | 2,990               | 17                      |                        |      |                    |                                    |  |
| 418         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Rosiclare               | MisL             | S                      | Por                   | 3,068           | 3,075               | 7                       |                        |      |                    |                                    |  |
| 419         | 0                                   | 6               | x                                                | x                   |                                     | 39.8                                                    | 0.18              | McClosky                | MisL             | L                      | Por                   | 3,080           | 3,092               | y                       |                        |      |                    |                                    |  |
| 420         | 0                                   | 1               |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 421         | 0                                   | 1               |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        | D    | MisL               | 3,380                              |  |
| 422         | 0                                   | 1               | x                                                | x                   |                                     | x                                                       | x                 | Rosiclare               | MisL             | S                      | Por                   | 3,255           | 3,264               | 9                       |                        |      |                    |                                    |  |
| 423         | 0                                   | 0               | x                                                | x                   |                                     | 31.7                                                    | x                 | McClosky                | MisL             | L                      | Por                   | 3,265           | 3,279               | 11                      |                        |      |                    |                                    |  |
| 424         | 0                                   | 6               | x                                                | x                   |                                     | 38.0                                                    | 0.16              | McClosky                | MisL             | L                      | Por                   | 3,340           | 3,380               | 7                       | D                      | MisL | 3,380              |                                    |  |
| 425         | 0                                   | 0               | x                                                | x                   |                                     | 38.5                                                    | x                 | McClosky                | MisL             | L                      | Por                   | 3,144           | 3,154               | 5                       | D                      | MisL | 3,154              |                                    |  |
| 426         | 0                                   | 55              |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         | A                      | MisL | 3,306              |                                    |  |
| 427         | 0                                   | 10              | x                                                | x                   |                                     | 40.4                                                    | 0.20              | Aux Vases               | MisU             | S                      | Por                   | 3,030           | 3,045               | 15                      |                        |      |                    |                                    |  |
| 428         | 0                                   |                 | x                                                | x                   |                                     | 39.1                                                    | x                 | Levias <sup>28</sup>    | MisL             | L                      | Por                   | 3,112           | 3,117               | 5                       |                        |      |                    |                                    |  |
| 429         | 0                                   |                 | x                                                | x                   |                                     | x                                                       | x                 | Rosiclare <sup>28</sup> | MisL             | S                      | Por                   | 3,130           | 3,145               | 8                       |                        |      |                    |                                    |  |
| 430         | 0                                   | 27              | x                                                | x                   |                                     | 39.1                                                    | x                 | McClosky                | MisL             | L                      | Por                   | 3,170           | 3,220               | 8                       |                        |      |                    |                                    |  |
| 431         | 0                                   | 18              |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         |                        |      |                    |                                    |  |
| 432         | 0                                   | 6               |                                                  |                     |                                     |                                                         |                   |                         |                  |                        |                       |                 |                     |                         | A                      | MisL | 3,209              |                                    |  |

TABLE I.—(Continued)

| Line Number | Field, County                        | Year of Discovery | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas Wells |             |           |                       |                            |
|-------------|--------------------------------------|-------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|--------------------------------|-------------|-----------|-----------------------|----------------------------|
|             |                                      |                   | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942       | During 1942 |           | End of 1942           |                            |
|             |                                      |                   |                    |                  |                            |             |                                        |             |                                | Completed   | Abandoned | Temporarily Shut Down | Producing Oil <sup>c</sup> |
|             |                                      |                   |                    |                  |                            |             |                                        |             |                                |             |           |                       |                            |
| 433         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 434         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                              | 3           | 1         | 0                     | 2                          |
| 435         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 2           | 0         | 0                     | 2                          |
| 436         |                                      |                   |                    |                  |                            |             |                                        |             | 1                              | 1           | 0         | 0                     | 1                          |
| 437         | Aden, Wayne, Hamilton...             | 1938              | 370                | 0                | 530,000                    | 141,000     | 0                                      | 0           | 10                             | 1           | 1         | 0                     | 9                          |
| 438         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                                |             |           |                       |                            |
| 439         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                                |             |           |                       |                            |
| 440         |                                      |                   |                    |                  |                            |             |                                        |             | 9                              | 0           | 1         | 0                     | 8                          |
| 441         | Burnt Prairie, White.....            | 1940              | 270                | 0                | 327,000                    | 73,000      | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 442         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 20                             | 0           | 0         | 0                     | 20                         |
| 443         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 0           | 0         | 0                     | 2                          |
| 444         | Carmi, White.....                    | 1940              | 30                 | 0                | 4,000                      | 2,000       | 0                                      | 0           | 18                             | 0           | 0         | 0                     | 18                         |
| 445         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 1           | 1         | 0                     | 1                          |
| 446         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 447         | Carmi North, White.....              | 1942              | 50                 | 0                | 21,000                     | 21,000      | 0                                      | 0           | 1                              | 0           | 1         | 0                     | 0                          |
| 448         | Centerville, White.....              | 1940              | 60                 | 0                | 156,000                    | 41,000      | 0                                      | 0           | 3                              | 3           | 0         | 0                     | 3                          |
| 449         | Centerville East, White...           | 1941              | 500                | 0                | 503,000                    | 485,000     | 0                                      | 0           | 5                              | 0           | 0         | 0                     | 5                          |
| 450         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 36                             | 30          | 1         | 0                     | 35                         |
| 451         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 20                             | 16          | 1         | 0                     | 19                         |
| 452         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0           | 0         | 0                     | 1                          |
| 453         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 454         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 4                              | 4           | 0         | 0                     | 4                          |
| 455         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                                |             |           |                       |                            |
| 456         |                                      |                   |                    |                  |                            |             |                                        |             | 9                              | 8           | 0         | 0                     | 9                          |
| 457         | Concord, White.....                  | 1942              | 10                 | 0                | 8,000                      | 8,000       | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 458         | Epworth, White.....                  | 1941              | 100                | 0                | 100,000                    | 86,000      | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 459         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 10                             | 6           | 1         | 0                     | 9                          |
| 460         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 1           | 0         | 0                     | 2                          |
| 461         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 7                              | 5           | 1         | 0                     | 6                          |
| 462         | Grayville West, White....            | 1941              | 30                 | 0                | 23,000                     | 14,000      | 0                                      | 0           | 1                              | 0           | 0         | 0                     | 1                          |
| 463         |                                      |                   | 10                 | 0                | x                          | x           | 0                                      | 0           | 3                              | 0           | 1         | 0                     | 2                          |
| 464         |                                      |                   | 20                 | 0                | x                          | x           | 0                                      | 0           | 1                              | 0           | 0         | 0                     | 1                          |
| 465         | Herald, White.....                   | 1940              | 80                 | 0                | 49,000                     | 26,000      | 0                                      | 0           | 2                              | 0           | 1         | 0                     | 1                          |
| 466         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 8                              | 3           | 3         | 0                     | 5                          |
| 467         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 0           | 0         | 0                     | 2                          |
| 468         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                              | 0           | 1         | 0                     | 2                          |
| 469         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 470         | Iron, White.....                     | 1940              | 770                | 0                | 2,390,000                  | 472,000     | 0                                      | 0           | 2                              | 2           | 2         | 0                     | 0                          |
| 471         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 64                             | 1           | 3         | 0                     | 61                         |
| 472         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 5                              | 0           | 1         | 0                     | 4                          |
| 473         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 33                             | 0           | 1         | 0                     | 32                         |
| 474         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 0           | 0         | 0                     | 2                          |
| 475         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 476         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 20                             | 0           | 1         | 0                     | 19                         |
| 477         | Maunie, White.....                   | 1941              | 20                 | 0                | 13,000                     | 9,000       | 0                                      | 0           | 3                              | 0           | 0         | 0                     | 3                          |
| 478         | Maunie North, White.....             | 1941              | 40                 | 0                | 20,000                     | 14,000      | 0                                      | 0           | 2                              | 0           | 0         | 0                     | 2                          |
| 479         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 5                              | 2           | 0         | 1                     | 4                          |
| 480         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0           | 0         | 0                     | 1                          |
| 481         | Maunie South, White.....             | 1939              | 670                | 0                | 982,000                    | 608,000     | 0                                      | 0           | 4                              | 2           | 0         | 1                     | 3                          |
| 482         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 69                             | 17          | 2         | 0                     | 67                         |
| 483         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 5                              | 1           | 0         | 0                     | 5                          |
| 484         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 34                             | 4           | 2         | 0                     | 32                         |
| 485         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0           | 0         | 0                     | 1                          |
| 486         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 17                             | 9           | 0         | 0                     | 17                         |
| 487         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0           | 0         | 0                     | 1                          |
| 488         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 6                              | 1           | 0         | 0                     | 6                          |
| 489         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1           | 0         | 0                     | 1                          |
| 490         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0           | 0         | 0                     | 1                          |
| 491         | New Harmony Consoli-<br>dated, White | 1939              | 6,760              | 0                | 18,957,000                 | 7,251,000   | 0                                      | 0           | 3                              | 1           | 0         | 0                     | 3                          |
| 492         |                                      |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 710                            | 61          | 5         | 0                     | 704                        |
|             |                                      |                   |                    |                  |                            |             |                                        |             | 7                              | 6           | 0         | 0                     | 7                          |

ALFRED H. BELL AND CHARLES W. CARTER

TABLE I.—(Continued)

| Line Number | Oil-production Methods, End of 1942 |                 | Reservoir Pressure, <sup>4</sup> Lb. per Sq. In. |                     | Character of Oil | Producing Formation                  |                                                        |                         |      |                  |                        |                       |                 |                     |                         | Deepest Zone Tested to End of 1942 |      |          |
|-------------|-------------------------------------|-----------------|--------------------------------------------------|---------------------|------------------|--------------------------------------|--------------------------------------------------------|-------------------------|------|------------------|------------------------|-----------------------|-----------------|---------------------|-------------------------|------------------------------------|------|----------|
|             | Number of Wells                     |                 | Initial                                          | Avg. at End of 1942 |                  | Repressuring Operations <sup>d</sup> | Gravity A.P.I. at 60°F., Weighted Average <sup>a</sup> | Sulphur, Per Cent       | Name | Age <sup>c</sup> | Character <sup>f</sup> | Porosity <sup>g</sup> | Depth, Avg. Ft. |                     |                         | Structure <sup>4</sup>             | Name | Depth of |
|             | Flowing                             | Artificial Lift |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       | Top Prod. Zone  | Bottoms Prod. Wells | Net Thickness, Avg. Ft. |                                    |      |          |
| 433         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Aux Vases               | MisU | S                | Por                    | 3,131                 | 3,141           | 10                  |                         |                                    |      |          |
| 434         | 0                                   | 2               | z                                                | z                   |                  | z                                    | z                                                      | Rosiclare               | MisL | S                | Por                    | 3,150                 | 3,160           | 8                   |                         |                                    |      |          |
| 435         | 0                                   | 2               | z                                                | z                   |                  | 37.5                                 | 0.19                                                   | McClosky                | MisL | L                | Por                    | 3,183                 | 3,190           | 4                   |                         |                                    |      |          |
| 436         | 0                                   | 1               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 437         | 0                                   | 9               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 438         |                                     |                 | z                                                | z                   |                  | z                                    | z                                                      | Aux Vases <sup>28</sup> | MisU | S                | Por                    | 3,177                 | 3,192           | 15                  | A                       | MisL                               | 3,   |          |
| 439         | 0                                   | 8               | z                                                | z                   |                  | 40.0                                 |                                                        | McClosky                | MisL | L                | Por                    | 3,287                 | 3,337           | 7                   |                         |                                    |      |          |
| 440         | 0                                   | 1               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 441         | 0                                   | 20              |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 442         | 0                                   | 2               | z                                                | z                   |                  | z                                    | z                                                      | Rosiclare               | MisL | S                | Por                    | 3,260                 | 3,404           | 9                   | D                       | MisL                               | 3,   |          |
| 443         | 0                                   | 18              | z                                                | z                   |                  | 37.0                                 | 0.28                                                   | McClosky                | MisL | L                | Por                    | 3,425                 | 3,436           | 11                  |                         |                                    |      |          |
| 444         | 0                                   | 1               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     | D                       | MisL                               | 3,   |          |
| 445         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Levias                  | MisL | L                | Por                    | 3,130                 | 3,140           | 8                   |                         |                                    |      |          |
| 446         | 0                                   | 0               | z                                                | z                   |                  | z                                    | z                                                      | McClosky                | MisL | L                | Por                    | 3,148                 | 3,167           | 4                   |                         |                                    |      |          |
| 447         | 0                                   | 3               | z                                                | z                   |                  | 37.0                                 | 0.14                                                   | Aux Vases               | MisU | S                | Por                    | 3,228                 | 3,250           | 14                  | D                       | MisU                               | 3,   |          |
| 448         | 0                                   | 5               | z                                                | z                   |                  | 36.8                                 | 0.17                                                   | McClosky                | MisL | L                | Por                    | 3,355                 | 3,373           | 4                   | D                       | MisL                               | 3,   |          |
| 449         | 0                                   | 35              |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     | D                       | MisL                               | 3,   |          |
| 450         | 0                                   | 19              | z                                                | z                   |                  | 37.2                                 | 0.20                                                   | Tar Springs             | MisU | S                | Por                    | 2,530                 | 2,545           | 15                  |                         |                                    |      |          |
| 451         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Cypress                 | MisU | S                | Por                    | 2,915                 | 2,925           | 10                  |                         |                                    |      |          |
| 452         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Bethel                  | MisU | S                | Por                    | 2,960                 | 2,974           | 14                  |                         |                                    |      |          |
| 453         | 0                                   | 4               | z                                                | z                   |                  | z                                    | z                                                      | Aux Vases               | MisU | S                | Por                    | 3,083                 | 3,094           | 11                  |                         |                                    |      |          |
| 454         | 0                                   | 4               | z                                                | z                   |                  | z                                    | z                                                      | Levias <sup>28</sup>    | MisL | L                | Por                    | 3,177                 | 3,182           | 5                   |                         |                                    |      |          |
| 455         | 0                                   | 9               | z                                                | z                   |                  | 40.0                                 |                                                        | McClosky                | MisL | L                | Por                    | 3,264                 | 3,276           | 12                  |                         |                                    |      |          |
| 456         | 0                                   | 1               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 457         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Aux Vases               | MisU | S                | Por                    | 2,904                 | 2,914           | 10                  | A                       | MisU                               | 3,(  |          |
| 458         | 0                                   | 9               |                                                  |                     |                  | z                                    | z                                                      |                         |      |                  |                        |                       |                 |                     | D                       | MisL                               | 3,   |          |
| 459         | 0                                   | 2               | z                                                | z                   |                  | z                                    | z                                                      | Degonia                 | MisU | S                | Por                    | 2,092                 | 2,108           | 6                   |                         |                                    |      |          |
| 460         | 0                                   | 6               | z                                                | z                   |                  | 36.2                                 | z                                                      | Clore                   | MisU | S                | Por                    | 2,072                 | 2,109           | 18                  |                         |                                    |      |          |
| 461         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Palestine               | MisU | S                | Por                    | 2,099                 | 2,188           | 14                  |                         |                                    |      |          |
| 462         | 0                                   | 2               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     | D                       | MisL                               | 3,   |          |
| 463         | 0                                   | 1               | z                                                | z                   |                  | 37.0                                 | z                                                      | Cypress                 | MisU | S                | Por                    | 2,870                 | 2,890           | 20                  |                         |                                    |      |          |
| 464         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | McClosky                | MisL | L                | Por                    | 3,172                 | 3,273           | 8                   |                         |                                    |      |          |
| 465         | 0                                   | 5               |                                                  |                     |                  | 28.0                                 | z                                                      | Pennsylvanian           | Pen  | S                | Por                    | 1,565                 | 1,571           | 6                   | A                       | MisL                               | 3,   |          |
| 466         | 0                                   | 2               | z                                                | z                   |                  | 37.2                                 | 0.24                                                   | Tar Springs             | MisU | S                | Por                    | 2,259                 | 2,276           | 18                  |                         |                                    |      |          |
| 467         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Cypress                 | MisU | S                | Por                    | 2,654                 | 2,664           | 10                  |                         |                                    |      |          |
| 468         | 0                                   | 0               | z                                                | z                   |                  | z                                    | z                                                      | Bethel                  | MisU | S                | Por                    | 2,792                 | 2,800           | 8                   |                         |                                    |      |          |
| 469         | 0                                   | 61              |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     | A                       | MisL                               | 3,   |          |
| 470         | 0                                   | 4               | z                                                | z                   |                  | 36.4                                 | z                                                      | Tar Springs             | MisU | S                | Por                    | 2,425                 | 2,440           | 6                   |                         |                                    |      |          |
| 471         | 0                                   | 32              | z                                                | z                   |                  | 38.4                                 | 0.30                                                   | Hardinsburg             | MisU | S                | Por                    | 2,537                 | 2,556           | 18                  |                         |                                    |      |          |
| 472         | 0                                   | 2               | z                                                | z                   |                  | 38.0                                 | z                                                      | Cypress                 | MisU | S                | Por                    | 2,708                 | 2,753           | 24                  |                         |                                    |      |          |
| 473         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Bethel                  | MisU | S                | Por                    | 2,792                 | 2,800           | 8                   |                         |                                    |      |          |
| 474         | 0                                   | 19              | z                                                | z                   |                  | 39.0                                 | 0.20                                                   | McClosky                | MisL | L                | Por                    | 3,061                 | 3,142           | 10                  |                         |                                    |      |          |
| 475         | 0                                   | 3               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 476         | 0                                   | 2               | z                                                | z                   |                  | 38.0                                 | z                                                      | Palestine               | MisU | S                | Por                    | 2,012                 | 2,018           | 6                   | D                       | MisL                               | 3,(  |          |
| 477         | 0                                   | 4               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     | D                       | MisL                               | 3,   |          |
| 478         | 0                                   | 1               | z                                                | z                   |                  | 36.5                                 | z                                                      | Bethel                  | MisU | S                | Por                    | 2,826                 | 2,847           | 21                  |                         |                                    |      |          |
| 479         | 0                                   | 3               | z                                                | z                   |                  | z                                    | z                                                      | McClosky                | MisL | L                | Por                    | 3,075                 | 3,092           | 6                   |                         |                                    |      |          |
| 480         | 0                                   | 67              |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     | A                       | MisL                               | 3,(  |          |
| 481         | 0                                   | 5               | z                                                | z                   |                  | 37.0                                 | z                                                      | Pennsylvanian           | Pen  | S                | Por                    | 1,455                 | 1,480           | 25                  |                         |                                    |      |          |
| 482         | 0                                   | 32              | z                                                | z                   |                  | 33.8                                 | 0.28                                                   | Palestine               | MisU | S                | Por                    | 2,020                 | 2,038           | 18                  |                         |                                    |      |          |
| 483         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Waltersburg             | MisU | S                | Por                    | 2,208                 | 2,217           | 9                   |                         |                                    |      |          |
| 484         | 0                                   | 17              | z                                                | z                   |                  | 38.0                                 | z                                                      | Tar Springs             | MisU | S                | Por                    | 2,254                 | 2,268           | 14                  |                         |                                    |      |          |
| 485         | 0                                   | 1               | z                                                | z                   |                  | 39.0                                 | z                                                      | Cypress                 | MisU | S                | Por                    | 2,561                 | 2,569           | 8                   |                         |                                    |      |          |
| 486         | 0                                   | 6               | z                                                | z                   |                  | z                                    | z                                                      | Aux Vases               | MisU | S                | Por                    | 2,844                 | 2,866           | 22                  |                         |                                    |      |          |
| 487         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | Levias                  | MisL | L                | Por                    | 2,865                 | 2,880           | 3                   |                         |                                    |      |          |
| 488         | 0                                   | 1               | z                                                | z                   |                  | z                                    | z                                                      | McClosky                | MisL | L                | Por                    | 2,871                 | 2,873           | 2                   |                         |                                    |      |          |
| 489         | 0                                   | 3               |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 490         | 0                                   |                 |                                                  |                     | PM               |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 491         | 0                                   |                 |                                                  |                     |                  |                                      |                                                        |                         |      |                  |                        |                       |                 |                     |                         |                                    |      |          |
| 492         | 0                                   | 7               | z                                                | z                   |                  | z                                    | z                                                      | Biehl                   | Pen  | S                | Por                    | 1,830                 | 1,870           | 40                  | A                       | MisL                               | 3,   |          |

TABLE I.—(Continued)

| Line Number | Field, County                                | Year of Discovery | Area Proved, Acres |                  | Total Oil Production, Bbl. |             | Total Gas Production, Millions Cu. Ft. |             | Number of Oil and/or Gas Wells |                    |           |                       |                            |                            |
|-------------|----------------------------------------------|-------------------|--------------------|------------------|----------------------------|-------------|----------------------------------------|-------------|--------------------------------|--------------------|-----------|-----------------------|----------------------------|----------------------------|
|             |                                              |                   | Oil                | Gas <sup>b</sup> | To End of 1942             | During 1942 | To End of 1942                         | During 1942 | Completed to End of 1942       | During 1942        |           | End of 1942           |                            |                            |
|             |                                              |                   |                    |                  |                            |             |                                        |             |                                | Completed          | Abandoned | Temporarily Shut Down | Producing Oil <sup>a</sup> | Producing Gas <sup>a</sup> |
| 493         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 19                             | 3                  | 1         | 0                     | 18                         | 0                          |
| 494         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 27                             | 5                  | 0         | 0                     | 27                         | 0                          |
| 495         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 86                             | 6                  | 0         | 0                     | 86                         | 0                          |
| 496         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 11                             | 0                  | 0         | 0                     | 11                         | 0                          |
| 497         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 125                            | 8                  | 0         | 0                     | 124                        | 0                          |
| 498         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 165                            | 20                 | 3         | 0                     | 162                        | 0                          |
| 499         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 0                  | 0         | 0                     | 2                          | 0                          |
| 500         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 98                             | 4                  | 0         | 0                     | 98                         | 0                          |
| 501         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 170                            | 9                  | 1         | 0                     | 169                        | 0                          |
| 502         | New Harmony South, White                     | 1941              | 60                 | 0                | 35,000                     | 11,000      | 0                                      | 0           | 4                              | 0                  | 2         | 0                     | 2                          | 0                          |
| 503         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0                  | 0         | 0                     | 1                          | 0                          |
| 504         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0                  | 0         | 0                     | 1                          | 0                          |
| 505         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0                  | 0         | 0                     | 1                          | 0                          |
| 506         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0                  | 1         | 0                     | 0                          | 0                          |
| 507         | New Haven, White.....                        | 1941              | 210                | 0                | 299,000                    | 127,000     | 0                                      | 0           | 21                             | 2                  | 0         | 0                     | 21                         | 0                          |
| 508         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 4                              | 0                  | 0         | 0                     | 4                          | 0                          |
| 509         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0                  | 0         | 0                     | 1                          | 0                          |
| 510         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 7                              | 1                  | 0         | 0                     | 7                          | 0                          |
| 511         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 4                              | 1                  | 0         | 0                     | 4                          | 0                          |
| 512         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0                  | 0         | 0                     | 1                          | 0                          |
| 513         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 4                              | 0                  | 0         | 0                     | 4                          | 0                          |
| 514         | Phillipstown, White.....                     | 1939              | 490                | 0                | 330,000                    | 205,000     | 0                                      | 0           | 39                             | 28                 | 0         | 0                     | 39                         | 0                          |
| 515         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 1                  | 0         | 0                     | 2                          | 0                          |
| 516         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 2                  | 0         | 0                     | 2                          | 0                          |
| 517         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 2                  | 0         | 0                     | 2                          | 0                          |
| 518         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 23                             | 22                 | 0         | 0                     | 23                         | 0                          |
| 519         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 2                              | 0                  | 0         | 0                     | 2                          | 0                          |
| 520         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                              | 0                  | 0         | 0                     | 3                          | 0                          |
| 521         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 4                              | 0                  | 0         | 0                     | 4                          | 0                          |
| 522         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1                  | 0         | 0                     | 1                          | 0                          |
| 523         | Stokes, White.....                           | 1939              | 640                | 0                | 670,000                    | 414,000     | 0                                      | 0           | 28                             | 12                 | 0         | 0                     | 27                         | 0                          |
| 524         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                                |                    |           |                       |                            |                            |
| 525         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 7                              | 4                  | 0         | 0                     | 7                          | 0                          |
| 526         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 7                              | 6                  | 0         | 0                     | 7                          | 0                          |
| 527         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1                  | 0         | 0                     | 1                          | 0                          |
| 528         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 12                             | 0                  | 0         | 0                     | 11                         | 0                          |
| 529         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1                  | 0         | 0                     | 1                          | 0                          |
| 530         | Storms, White.....                           | 1939              | 1,510              | 0                | 3,676,000                  | 729,000     | 0                                      | 0           | 156                            | 1                  | 4         | 0                     | 152                        | 0                          |
| 531         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 152                            | 1                  | 4         | 0                     | 148                        | 0                          |
| 532         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 0                  | 0         | 0                     | 1                          | 0                          |
| 533         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                              | 0                  | 0         | 0                     | 3                          | 0                          |
| 534         | Roland, White, Gallatin...                   | 1940              | 1,820              | 0                | 2,983,000                  | 1,887,000   | 0                                      | 0           | 141                            | 49                 | 6         | 0                     | 135                        | 0                          |
| 535         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 68                             | 25                 | 4         | 0                     | 64                         | 0                          |
| 536         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 4                              | 1                  | 0         | 0                     | 4                          | 0                          |
| 537         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 5                              | 1                  | 1         | 0                     | 4                          | 0                          |
| 538         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           |                                |                    |           |                       |                            |                            |
| 539         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 15                             | 8                  | 1         | 0                     | 14                         | 0                          |
| 540         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 17                             | 6                  | 0         | 0                     | 17                         | 0                          |
| 541         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 1                              | 1                  | 0         | 0                     | 1                          | 0                          |
| 542         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 31                             | 7                  | 0         | 0                     | 31                         | 0                          |
| 543         | Mill Shoals, White, Hamilton                 | 1939              | 1,090              | 0                | 2,564,000                  | 906,000     | 0                                      | 0           | 109                            | 16                 | 0         | 0                     | 109                        | 0                          |
| 544         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 87                             | 14                 | 0         | 0                     | 87                         | 0                          |
| 545         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 19                             | 2                  | 0         | 0                     | 19                         | 0                          |
| 546         |                                              |                   | x                  | 0                | x                          | x           | 0                                      | 0           | 3                              | 0                  | 0         | 0                     | 3                          | 0                          |
| 547         | Total fields after Jan. 1, 1937 <sup>a</sup> |                   | 119,730            | 1,700            | 487,362,000                | 101,837,000 | 4,291                                  | 1,472       | 12,032 <sup>a</sup>            | 1,179 <sup>a</sup> | 358       | 324                   | 11,404                     | 56                         |
| 548         | Total for Illinois <sup>a</sup>              |                   | 218,750            | 17,535           | 939,648,000                | 106,590,000 | 6,692                                  | 1,485       | 32,794 <sup>a</sup>            | 1,179 <sup>a</sup> | 358       | 324                   | 24,275                     | 64                         |

<sup>a</sup> Total from U. S. Bureau of Mines monthly reports. Includes oil marketed in addition to that shown above.<sup>b</sup> Includes six small capped gas wells not shown above.

## ALFRED H. BELL AND CHARLES W. CARTER

TABLE I.—(Continued)

| Line Number | Oil-<br>production<br>Methods,<br>End of<br>1942 |                    | Reservoir<br>Pressure, <sup>a</sup><br>Lb. per<br>Sq. In. |                        | Repressuring Operation <sup>d</sup> | Character<br>of Oil                                          |                                 | Producing Formation |                  |                        |                       |                    |                                                      |                        | Deepest Zone<br>Tested to End<br>of 1942 |          |       |      |       |  |
|-------------|--------------------------------------------------|--------------------|-----------------------------------------------------------|------------------------|-------------------------------------|--------------------------------------------------------------|---------------------------------|---------------------|------------------|------------------------|-----------------------|--------------------|------------------------------------------------------|------------------------|------------------------------------------|----------|-------|------|-------|--|
|             | Flowing                                          | Artificial<br>Lift | Initial                                                   | Avg. at End<br>of 1942 |                                     | Gravity A.P.I. at<br>60°F., Weighted<br>Average <sup>b</sup> | Sulphur,<br>Per Cent            | Name                | Age <sup>c</sup> | Character <sup>f</sup> | Porosity <sup>g</sup> | Depth,<br>Avg. Ft. |                                                      | Structure <sup>a</sup> | Name                                     | Depth of |       |      |       |  |
|             |                                                  |                    |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       | Top Prod.<br>Zone  | Bottoms<br>Prod. Wells<br>Net Thickness,<br>Avg. Ft. |                        |                                          |          |       |      |       |  |
| 493         | 0                                                | 18                 | x                                                         | x                      | Repressuring Operation <sup>d</sup> | 37.6                                                         | 0.40                            | Waltersburg         | MisU             | S                      | Por                   | 2,156              | 2,197                                                | 20                     | A                                        | MisL     | 3,000 |      |       |  |
| 494         | 0                                                | 27                 | x                                                         | x                      |                                     | 36.0                                                         | 0.19                            | Tar Springs         | MisU             | S                      | Por                   | 2,225              | 2,296                                                | 15                     |                                          |          |       |      |       |  |
| 495         | 0                                                | 86                 | x                                                         | x                      |                                     | 39.0                                                         | x                               | Cypress             | MisU             | S                      | Por                   | 2,561              | 2,605                                                | 25                     |                                          |          |       |      |       |  |
| 496         | 0                                                | 11                 | x                                                         | x                      |                                     | 38.0                                                         | x                               | Paint Creek Stray   | MisU             | S                      | Por                   | 2,659              | 2,679                                                | 20                     |                                          |          |       |      |       |  |
| 497         | 0                                                | 124                | x                                                         | x                      |                                     | 36.0                                                         | 0.24                            | Bethel              | MisU             | S                      | Por                   | 2,684              | 2,751                                                | 25                     |                                          |          |       |      |       |  |
| 498         | 0                                                | 162                | x                                                         | x                      |                                     | 39.0                                                         | x                               | Aux Vases           | MisU             | S                      | Por                   | 2,820              | 2,840                                                | 10                     |                                          |          |       |      |       |  |
| 499         | 0                                                | 2                  | x                                                         | x                      |                                     | x                                                            | x                               | Rosiclare           | MisL             | S                      | Por                   | 2,906              | 2,920                                                | 15                     |                                          |          |       |      |       |  |
| 500         | 0                                                | 98                 | x                                                         | x                      |                                     | 39.2                                                         | 0.20                            | McClosky            | MisL             | L                      | Por                   | 2,920              | 2,930                                                | 8                      |                                          |          |       |      |       |  |
| 501         | 0                                                | 169                |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 502         | 0                                                | 2                  |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 503         | 0                                                | 1                  | x                                                         | x                      |                                     | x                                                            | Waltersburg                     | MisU                | S                | Por                    | 2,262                 | 2,282              | 20                                                   | A                      | MisL                                     | 2,900    |       |      |       |  |
| 504         | 0                                                | 0                  | x                                                         | x                      | x                                   | x                                                            | Tar Springs                     | MisU                | S                | Por                    | 2,355                 | 2,373              | 16                                                   |                        |                                          |          |       |      |       |  |
| 505         | 0                                                | 1                  | x                                                         | x                      | x                                   | x                                                            | Bethel                          | MisU                | S                | Por                    | 2,820                 | 2,830              | 10                                                   |                        |                                          |          |       |      |       |  |
| 506         | 0                                                | 0                  | x                                                         | x                      | 38.0                                | x                                                            | McClosky                        | MisL                | L                | Por                    | 3,011                 | 3,020              | 8                                                    |                        |                                          |          |       |      |       |  |
| 507         | 0                                                | 21                 |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 508         | 0                                                | 4                  | x                                                         | x                      | 36.4                                | 0.27                                                         | Tar Springs                     | MisU                | S                | Por                    | 2,115                 | 2,125              | 10                                                   |                        |                                          |          |       |      |       |  |
| 509         | 0                                                | 1                  | x                                                         | x                      | 38.0                                | x                                                            | Hardinsburg                     | MisU                | S                | Por                    | 2,246                 | 2,251              | 5                                                    |                        |                                          |          |       |      |       |  |
| 510         | 0                                                | 7                  | x                                                         | x                      | 38.0                                | x                                                            | Cypress                         | MisU                | S                | Por                    | 2,436                 | 2,448              | 12                                                   |                        |                                          |          |       |      |       |  |
| 511         | 0                                                | 4                  | x                                                         | x                      | 39.0                                | x                                                            | Aux Vases                       | MisU                | S                | Por                    | 2,717                 | 2,732              | 15                                                   |                        |                                          |          |       |      |       |  |
| 512         | 0                                                | 1                  | x                                                         | x                      | 38.0                                | x                                                            | McClosky                        | MisL                | L                | Por                    | 2,845                 | 2,850              | 5                                                    |                        |                                          |          |       |      |       |  |
| 513         | 0                                                | 4                  |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 514         | 0                                                | 39                 |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      | A                      | Dev                                      | 5,300    |       |      |       |  |
| 515         | 0                                                | 2                  | x                                                         | x                      | x                                   | x                                                            | Degonia                         | MisU                | S                | Por                    | 1,997                 | 2,007              | 10                                                   | A                      | MisL                                     | 3,100    |       |      |       |  |
| 516         | 0                                                | 2                  |                                                           | 700±                   | 36.0                                | x                                                            | Clore                           | MisU                | S                | Por                    | 2,019                 | 2,027              | 8                                                    |                        |                                          |          |       |      |       |  |
| 517         | 0                                                | 2                  | x                                                         | 700±                   | 36.0                                | x                                                            | Palestine                       | MisU                | S                | Por                    | 2,052                 | 2,060              | 8                                                    |                        |                                          |          |       |      |       |  |
| 518         | 0                                                | 23                 | x                                                         | 800±                   | 36.0                                | x                                                            | Tar Springs                     | MisU                | S                | Por                    | 2,293                 | 2,320              | 30                                                   |                        |                                          |          |       |      |       |  |
| 519         | 0                                                | 2                  | x                                                         | x                      | 39.4                                | x                                                            | Aux Vases                       | MisU                | S                | Por                    | 2,942                 | 2,964              | 8                                                    |                        |                                          |          |       |      |       |  |
| 520         | 0                                                | 3                  | x                                                         | x                      | x                                   | x                                                            | Rosiclare                       | MisU                | S                | Por                    | 2,955                 | 2,967              | 10                                                   |                        |                                          |          |       |      |       |  |
| 521         | 0                                                | 4                  | x                                                         | x                      | 38.2                                | 0.21                                                         | McClosky                        | MisL                | S                | Por                    | 2,994                 | 3,004              | 10                                                   |                        |                                          |          |       |      |       |  |
| 522         | 0                                                | 1                  |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 523         | 0                                                | 27                 |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 524         | 0                                                | x                  | x                                                         | x                      | x                                   | x                                                            | Tar Springs                     | MisU                | S                | Por                    | 2,270                 | 2,285              | 15                                                   |                        |                                          |          | A     | MisL | 3,000 |  |
| 525         | 0                                                | 7                  | x                                                         | x                      | x                                   | x                                                            | Paint Creek Stray               | MisU                | S                | Por                    | 2,760                 | 2,805              | 27                                                   |                        |                                          |          |       |      |       |  |
| 526         | 0                                                | 7                  | x                                                         | x                      | x                                   | x                                                            | Bethel                          | MisU                | S                | Por                    | 2,813                 | 2,827              | 8                                                    |                        |                                          |          |       |      |       |  |
| 527         | 0                                                | 11                 | x                                                         | x                      | x                                   | 0.26                                                         | Aux Vases                       | MisU                | S                | Por                    | 2,890                 | 2,904              | 14                                                   |                        |                                          |          |       |      |       |  |
| 528         | 0                                                | 11                 | x                                                         | x                      | 35.8                                | 0.26                                                         | McClosky                        | MisL                | L                | Por                    | 3,077                 | 3,124              | 12                                                   |                        |                                          |          |       |      |       |  |
| 529         | 0                                                | 1                  |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 530         | 0                                                | 152                |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 531         | 0                                                | 148                | x                                                         | x                      | 32.1                                | 0.28                                                         | Waltersburg                     | MisU                | S                | Por                    | 2,234                 | 2,285              | 18                                                   |                        |                                          |          |       |      |       |  |
| 532         | 0                                                | 1                  | x                                                         | x                      | x                                   | x                                                            | Cypress                         | MisU                | S                | Por                    | 2,656                 | 2,685              | 10                                                   |                        |                                          |          |       |      |       |  |
| 533         | 0                                                | 3                  | x                                                         | x                      | x                                   | x                                                            | Paint Creek Stray               | MisU                | S                | Por                    | 2,807                 | 2,832              | 14                                                   |                        |                                          |          |       |      |       |  |
| 534         | 0                                                | 135                |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      | A                      | Dev                                      | 5,200    |       |      |       |  |
| 535         | 0                                                | 64                 | x                                                         | x                      | 31.7                                | 0.25                                                         | Waltersburg                     | MisU                | S                | Por                    | 2,159                 | 2,174              | 15                                                   | A                      | MisL                                     | 3,400    |       |      |       |  |
| 536         | 0                                                | 4                  | x                                                         | x                      | 32.0                                | x                                                            | Tar Springs                     | MisU                | S                | Por                    | 2,231                 | 2,243              | 12                                                   |                        |                                          |          |       |      |       |  |
| 537         | 0                                                | 4                  | x                                                         | x                      | x                                   | x                                                            | Cypress                         | MisU                | S                | Por                    | 2,551                 | 2,568              | 17                                                   |                        |                                          |          |       |      |       |  |
| 538         | 0                                                |                    | x                                                         | x                      | x                                   | x                                                            | Paint Creek Stray <sup>28</sup> | MisU                | S                | Por                    | 2,751                 | 2,763              | 12                                                   |                        |                                          |          |       |      |       |  |
| 539         | 0                                                | 14                 | x                                                         | x                      | 39.0                                | x                                                            | Bethel                          | MisU                | S                | Por                    | 2,724                 | 2,741              | 17                                                   |                        |                                          |          |       |      |       |  |
| 540         | 0                                                | 17                 | x                                                         | x                      | x                                   | x                                                            | Aux Vases                       | MisU                | S                | Por                    | 2,880                 | 2,898              | 18                                                   |                        |                                          |          |       |      |       |  |
| 541         | 0                                                | 1                  | x                                                         | x                      | x                                   | x                                                            | McClosky                        | MisL                | S                | Por                    | 2,997                 | 3,007              | 10                                                   |                        |                                          |          |       |      |       |  |
| 542         | 0                                                | 31                 |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 543         | 0                                                | 109                |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 544         | 0                                                | 87                 | x                                                         | x                      | 39.8                                | 0.14                                                         | Aux Vases                       | MisU                | S                | Por                    | 3,221                 | 3,241              | 20                                                   |                        |                                          |          | A     | MisL | 3,400 |  |
| 545         | 0                                                | 19                 | x                                                         | x                      | 38.0                                | 0.16                                                         | McClosky                        | MisL                | L                | Por                    | 3,316                 | 3,391              | 14                                                   |                        |                                          |          |       |      |       |  |
| 546         | 0                                                | 3                  |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 547         | 279                                              | 11,125             |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |
| 548         | 279                                              | 23,996             |                                                           |                        |                                     |                                                              |                                 |                     |                  |                        |                       |                    |                                                      |                        |                                          |          |       |      |       |  |

TABLE 2.—*Discovery Wells of New Fields in Illinois in 1942*

| Pool                                    | County     | Company and Farm                          | Location           | Total Depth, Ft. | Depth to Top, Ft. | Producing Formation      | Initial Production, Bbl. <sup>a</sup> | Date of Completion, Discovery Well | Number of Wells Producing in Field Jan. 5, 1943 |
|-----------------------------------------|------------|-------------------------------------------|--------------------|------------------|-------------------|--------------------------|---------------------------------------|------------------------------------|-------------------------------------------------|
| 1 Akin.....                             | Franklin   | Seaboard Oil, U. S. Coal & Coke Co. No. 1 | C SW SE 14-4S-4E   | 2,880            | 2,839             | Cypress ss.              | 113 + 85                              | 3-24-42                            | 3                                               |
| 2 Albion North.....                     | Edwards    | Taylor Drilling, Ode No. 1                | S SE SW 30-1S-11E  | 3,261            | 2,934             | Aux Vases ss.            | 19                                    | 3-31-42                            | 42                                              |
| 3 Amity.....                            | Richland   | Boles Bros. W. C. Petty No. 1             | NE SE NE 10-1S-14W | 2,991            | 2,991             | McClosky ls.             | 80 + 54                               | 9-29-42                            | 1                                               |
| 4 Barnhill East <sup>a</sup> .....      | Clinton    | Ne Penn Dev. Corp., J. L. Wagner No. 1    | NW SW NE 30-2S-0E  | 2,441            | 2,432             | McClosky ls.             | 20                                    | 3-7-39                             | 4                                               |
| 5 Bartleso South.....                   | Wayne      | J. F. Ashoff, Jr., Hulsman No. 1          | SE NE NE 20-1N-3W  | 2,478            | 2,463             | Devonian ls.             | 100                                   | 12-8-42                            | 1                                               |
| 6 Beaver Creek.....                     | Bond       | W. C. McBride, Inc., V. Jacobs No. 1      | SW SW NW 31-4N-2W  | 2,526            | 1,403             | Bethel ss.               | 24 + 28                               | 6-23-42                            | 2                                               |
| 7 Bible Grove.....                      | Clay       | Cameron Bros., Landwehr No. 1             | SW NW NE 8-5N-7E   | 2,825            | 2,820             | McClosky ls.             | 695                                   | 3-24-42                            | 32                                              |
| 8 Bible Grove South.....                | Clay       | Knigwood et al., J. E. Esser No. 1        | NW NW SE 20-5N-7E  | 2,929            | 2,833             | Aux Vases ss.            | 64 + 6                                | 9-1-42                             | 1                                               |
| 9 Blarsville.....                       | Hamilton   | The Texas, S. Minton No. 1                | E SE NE 20-4S-7E   | 3,251            | 2,294             | Aux Vases ss.            | 123                                   | 8-25-42                            | 10                                              |
| 10 Carmi North.....                     | White      | Seaboard Oil, Gates No. 1                 | SW NW SW 3-5S-0E   | 3,241            | 3,228             | Aux Vases ss.            | 35 + 33                               | 3-24-42                            | 2                                               |
| 11 Casne North.....                     | Wayne      | Shell Oil, Rutger No. 1                   | E NE NE 17-1N-7E   | 3,227            | 3,170             | McClosky ls.             | 450 + 25                              | 3-31-42                            | 13                                              |
| 12 Coil.....                            | Wayne      | First Nat. Petr. Trust, Ellis No. 1       | C SW NE 18-1S-5E   | 2,930            | 2,918             | Aux Vases ss.            | 15 + 30                               | 10-13-42                           | 1                                               |
| 13 Coil West.....                       | Jefferson  | Gulf Refining, Bradford No. 1             | NW SE SW 14-5S-4E  | 2,684            | 2,794; 2,844      | Levias ls.; McClosky ls. | 28 + 4                                | 3-17-42                            | 1                                               |
| 14 Concord.....                         | White      | Minerva Oil, Ramsey No. 1                 | NW NE NE 32-6S-0E  | 2,917            | 2,904             | Aux Vases ss.            | 871                                   | 6-30-42                            | 32                                              |
| 15 Covington.....                       | Wayne      | Deep Rock Oil, Blackburn No. 1            | CW NE NE 30-1S-7E  | 2,280            | 3,238             | McClosky ls.             | 22 + 33                               | 7-7-42                             | 1                                               |
| 16 Dubois West.....                     | Washington | Gulf Refining, Leffler No. 1              | SE NE NE 12-3S-9W  | 2,685            | 3,346             | Bethel ss.               | 212                                   | 7-14-42                            | 11                                              |
| 17 Dundas East.....                     | Richland   | Hammerich & Payne, Staff Heirs No. 1      | SE NE NE 3-5N-10E  | 3,011            | 2,999             | McClosky ls.             | 35 + 70                               | 11-10-42                           | 1                                               |
| 18 Ellery North.....                    | Edwards    | Standard Oil & Gas, Broder No. 1          | SE SE NE 7-2S-10E  | 2,496            | 3,418             | McClosky ls.             | 16 + 77                               | 9-29-42                            | 1                                               |
| 19 Fairfield.....                       | Wayne      | Robinson & Continental, Osborn No. 1      | CW NE SW 47-3S-5E  | 3,359            | 3,236             | Aux Vases ss.            | 35                                    | 9-22-42                            | 6                                               |
| 20 Friendsville.....                    | Wayne      | Sikes et al., Whealy No. 1                | E NE SE 3-1S-13E   | 2,477            | 2,464             | Bethel ss.               | 100                                   | 9-15-42                            | 2                                               |
| 21 Geff West.....                       | Wayne      | V. A. Thompson, Whitlock No. 1            | NW NE SW 42-5S-7E  | 3,320            | 3,129             | Aux Vases ss.            | 5 + 28                                | 5-19-42                            | 5                                               |
| 22 Ingraham <sup>b</sup> .....          | Clay       | Nat. Petroleum, Hintz No. 1               | SW SE NE 10-1N-3E  | 3,139            | 3,008             | McClosky ls.             | 75                                    | 5-26-42                            | 2                                               |
| 23 Inman West.....                      | Gallatin   | N. V. Duncan, Anderson, Rogers No. 1      | SW SE NE 15-3S-9E  | 2,493            | 2,432             | Cypress ss.              | 17 + 65                               | 3-10-42                            | 0                                               |
| 24 Johnsonville South.....              | Wayne      | Bell Bros., Jones No. 1                   | CW NE SW 14-1S-0E  | 3,113            | 3,107             | McClosky ls.             | 8                                     | 4-21-42                            | 0                                               |
| 25 Johnsonville West <sup>b</sup> ..... | Wayne      | Deaton & Bears, Howard No. 1              | NE NW SE 5-1S-3E   | 2,627            | 2,625             | McClosky ls.             | 192                                   | 4-21-42                            | 0                                               |
| 26 Kell.....                            | Jefferson  | L. & W. Drilling, Sanders, Thompson No. 1 | NW SE SW 21-3S-0E  | 2,715            | 2,661             | Bethel ss.               | 25 + 20                               | 9-26-42                            | 1                                               |
| 27 Kenner.....                          | Clay       | Levia Prod. Sta. Game Preserve No. 1      | SW SE SW 21-3S-0E  | 2,762            | 2,740             | Aux Vases ss.            | 153 + 15                              | 6-23-42                            | 5                                               |
| 28 King.....                            | Jefferson  | Lazio Oil & Gas, Starr Bros. No. 1        | NW SE SW 4-3S-4E   | 3,214            | 3,077; 3,122      | Levias ls.; McClosky ls. | 190 + 90                              | 8-4-42                             | 12                                              |
| 29 Mackham City.....                    | Jefferson  | W. R. Holmes, Neumann No. 1               | NW SE SW 29-3N-5W  | 602              | 600               | Penusylvanian ss.        | 45                                    | 12-15-42                           | 1                                               |
| 30 Mt. Olive.....                       | Montgomery | Kuhn, Rhodes No. 1                        | NE SE NE 19-4N-13W | 1,380            | 1,169             | Penusylvanian ss.        | 55 + 75                               | 3-10-42                            | 2                                               |
| 31 New Bellair.....                     | Crawford   | White, Rhodes No. 1                       | NW SE SW 35-3N-8W  | 421              | 400               | Penusylvanian ss.        | 10 + 10                               | 1-27-42                            | 2                                               |
| 32 Pianview.....                        | Macoupin   | M. D. Bracy, H. Meyer No. 1               | SW SE NE 16-3N-6W  | 2,354            | 2,278             | "Trenton," ls.           | 118                                   | 6-2-42                             | 23                                              |
| 33 St. Jacob.....                       | Madison    | I. H. Jones, Casey No. 1                  | NE NW NE 11-3N-7E  | 2,958            | 2,940             | McClosky ls.             | 508                                   | 6-2-42                             | 4                                               |
| 34 Sailor Springs South.....            | Edwards    | M. E. McDowell No. 2                      | SW SE NE 31-1N-1E  | 2,437            | 2,403             | Waltersburg ss.          | 132                                   | 1-20-42                            | 0                                               |
| 35 Samsville <sup>c</sup> .....         | Franklin   | I. W. Taylor, Old Pen Coal No. 1          | E NW NE 19-5S-2E   | 2,716            | 2,701             | Aux Vases ss.            | 20 + 100                              | 6-2-42                             | 3                                               |
| 36 Sesser.....                          | Wayne      | The Texas, Talbert No. 2                  | SW SE SE 17-1S-0E  | 3,209            | 3,183             | McClosky ls.             | 303                                   | 1-6-42                             | 3                                               |
| 37 Sims North.....                      | Wayne      | The Texas, Talbert No. 1                  | SE SE NE 22-4S-1W  | 1,150            | 1,127             | Cypress ss.              | 16                                    | 3-24-42                            | 3                                               |
| 38 Tamara.....                          | Clay       | Harsh, Newborn No. 1                      | SW SE SE 35-5N-6E  | 2,887            | 2,790             | McClosky ls.             | 216                                   | 9-15-42                            | 1                                               |
| 39 Toliver.....                         | Clay       | Pig Chain Drilling, Barbee No. 1          | SW SE SE 35-5N-6E  | 2,887            | 2,790             | McClosky ls.             | 15 + 24                               | 5-28-42                            | 1                                               |
| 40 Valer.....                           | Franklin   | Menial, Valer Coal No. 2                  | NE NE SE 7-6S-2E   | 2,725            | 2,713             | McClosky ls.             |                                       |                                    |                                                 |

<sup>a</sup> Wells in secs. 29 and 30, T. 2 S., R. 9 E., Wayne County, formerly included in Goldensale pool assigned name Barnhill East 11/17/42.<sup>b</sup> Abandoned 1942.<sup>c</sup> This pool was extended and is now (12/31/42) included with Sailor Springs pool.<sup>d</sup> Oil and water.



TABLE 3.—*Extensions to Pools in Illinois in 1942*

| Pool                                 | County    | Company and Farm                         | Location           | Total Depth, Ft. | Depth to Top, Ft.   | Producing Formation                     | Initial Production, Bbl.         | Date of Completion |
|--------------------------------------|-----------|------------------------------------------|--------------------|------------------|---------------------|-----------------------------------------|----------------------------------|--------------------|
| 1 Bible Grove.....                   | Clay      | Illinois Producers, Veith No. 1          | SE SW NW 5-5N-7E   | 2,837            | 2,808               | McClosky ls.                            | 66                               | 6-2-42             |
| 2 Bone Gap.....                      | Edwards   | C. F. Steele, C. Couch No. 1             | SW frac. 6-1S-11E  | 3,261            | 3,254               | McClosky ls.                            | 104 <sup>1</sup> 75 <sup>2</sup> | 6-6-42             |
| 3 Bonpas West.....                   | Richland  | Bonpas Development, Woods No. 2          | W SW SE 21-2N-14W  | 3,097            | 3,090               | McClosky ls.                            | 1,086                            | 2-17-42            |
| 4 Boylston.....                      | Wayne     | H. H. Weinert, Succort Commun. No. 1     | E NE NE 11-2S-7E   | 3,330            | 3,318               | McClosky ls.                            | 15 + 200                         | 6-23-42            |
| 5 Boylston.....                      | Wayne     | Pure Oil, Reynolds No. 1                 | C SE NW 25-1S-7E   | 3,494            | 3,346               | McClosky ls.                            | 26 + 6                           | 7-7-42             |
| 6 Centerville East.....              | White     | Sun Oil, Hertlein No. 1                  | S SE NW 13-4S-9E   | 3,264            | 3,259               | McClosky ls.                            | 260                              | 4-7-42             |
| 7 Clay City Consolidated.....        | Wayne     | Pure Oil, Webster No. 1                  | C SW NW 14-1N-8E   | 3,080            | 3,065               | McClosky ls.                            | 260                              | 10-20-42           |
| 8 Coal.....                          | Wayne     | W. C. McBride, Youngblood-Gregory No. 1  | C SW SE 19-1S-5E   | 2,893            | 2,883               | Aux Vases ss.                           | 221                              | 9-15-42            |
| 9 Cooks Mills.....                   | Coles     | Baker, Moore No. 1                       | SE SW NE 34-14N-7E | 1,872            | 1,806               | Aux Vases ss.                           | 10                               | 7-21-42            |
| 10 Dix.....                          | Marion    | Braniger et al., Hatfield No. 1          | C SW SE 23-1N-10E  | 2,109            | 2,101               | Rosiclare ss.                           | 10                               | 9-8-42             |
| 11 Dundas East.....                  | Jasper    | Helmerich & Payne et al., Stiff No. 1    | SE NW SE 23-3N-10E | 3,065            | 2,940               | Levias ls.                              | 316 + 300                        | 10-6-42            |
| 12 Flora.....                        | Clay      | Kingwood Oil, Gatewood No. 1             | W NE NE 23-3N-6E   | 2,983            | 2,963               | McClosky ls.                            | 205 + 9                          | 1-5-42             |
| 13 Friendsville.....                 | Wabash    | W. E. Bailor, R. R. Liddle No. 3         | NW SW SW 26-1N-13W | 1,771            | 1,759               | Bieh ss.                                | 50 + 20                          | 12-22-42           |
| 14 Gelf.....                         | Wayne     | Deep Rock Oil, St. Louis Bank No. 1      | C NW SE 18-1S-8E   | 3,319            | 3,182               | McClosky ls.                            | 270 + 14                         | 1-5-42             |
| 15 Gelf.....                         | Wayne     | Pure Oil, G. W. Pike No. 1               | C NW NW 13-1S-7E   | 3,212            | 3,065               | Aux Vases ss.                           | 237                              | 7-28-42            |
| 16 Goldengate.....                   | Wayne     | New Penn Development, Harris No. 1       | W NW NW 38-2S-9E   | 3,311            | 3,305               | Rosiclare ss.                           | 201                              | 3-10-42            |
| 17 Herald.....                       | White     | Carter Oil, E. A. Martin No. 1           | C SW NW 35-6S-9E   | 2,798            | 2,792               | Bethel ss.                              | 73 + 58                          | 4-14-42            |
| 18 Herald.....                       | White     | Sinclair-Wyoming Oil, E. O. Porter No. 1 | SW NW NE 17-7S-9E  | 3,173            | 2,841               | Bethel ss.                              | 25 + 30                          | 11-10-42           |
| 19 Inman East.....                   | Gallatin  | Cherry & Kidd, Kerwin No. 1              | SE NE SW 11-8S-10E | 1,851            | 1,840               | Palestine ss.                           | 180 + 54                         | 8-25-42            |
| 20 Inman North.....                  | Gallatin  | Aetna Oil, Foster No. 1                  | SE SE NE 10-8S-9E  | 3,060            | 2,816               | Aux Vases ss.                           | 12 + 2                           | 8-25-42            |
| 21 Iola.....                         | Clay      | H. Luttrell, Reed Hens No. 1             | SE NW NE 15-5N-5E  | 3,206            | 2,292               | Bethel ss.                              | 82                               | 11-24-42           |
| 22 Johnsonville South.....           | Wayne     | Shell Oil, Montgomery No. 1              | C NW SW 14-1S-6E   | 3,237            | 3,032               | Aux Vases ss.                           | 19 + 8                           | 8-25-42            |
| 23 King.....                         | Jefferson | Oil Carriers, Inc., Mace No. 1           | C NE SE 33-3S-3E   | 2,848            | 2,740               | Aux Vases ss.                           | 103                              | 9-15-42            |
| 24 King.....                         | Jefferson | Nash Redwine, Wilmore et al. No. 1       | SW NW SW 27-3S-3E  | 2,812            | 2,717               | McClosky ls.                            | 20                               | 10-13-42           |
| 25 Lancaster.....                    | Wabash    | Hayes Drilling, Neikirk Heirs No. 1      | S NW NW 9-1N-13W   | 2,765            | 3,064               | Bethel ss.                              | 513                              | 9-15-42            |
| 26 Markham City.....                 | Jefferson | Ohio Oil, Lingle No. 1                   | SE SW SW 36-2S-4E  | 3,087            | 2,014               | Bethel ss.                              | 40 + 200                         | 10-13-42           |
| 27 Lawrence South <sup>a</sup> ..... | Lawrence  | Luttrell, See No. 1                      | SE SW SE 27-2N-12W | 2,023            | 2,771               | McClosky ls.                            | 126                              | 5-5-42             |
| 28 Mason South.....                  | White     | Dawson et al., Clark No. 1               | NW NW NE 34-6N-5E  | 3,209            | 2,296               | McClosky ls.                            | 84 + 74                          | 7-14-42            |
| 29 Maunie North.....                 | Wayne     | Magnolia Petroleum, Pearce Trust No. 1   | NW SW NE 36-5S-10E | 3,094            | 3,048               | Levias ls.                              | 23 + 13                          | 2-10-42            |
| 30 Maunie South.....                 | Wayne     | H. H. Weinert, Thomason Commun. No. 1    | N SW SE 32-2S-6E   | 3,028            | 2,878               | McClosky ls.                            | 90                               | 6-16-42            |
| 31 Mayberry.....                     | Wayne     | Pure Oil, Marvel No. 1                   | C SE NW 26-1N-8E   | 3,145            | 3,373               | McClosky ls.                            | 40                               | 11-17-42           |
| 32 Mt. Erie.....                     | Wayne     | Pure Oil, Allen No. 1                    | C SE NE 11-1S-8E   | 3,215            | 2,933               | Aux Vases ss.                           | 9 + 22                           | 9-8-42             |
| 33 Mt. Erie.....                     | Wayne     | H. H. Weinert, Crews No. 1               | S SE NE 28-1S-8E   | 3,380            | 3,255               | Rosiclare ss.                           | 20 + 20                          | 7-28-42            |
| 34 Mt. Erie South.....               | Richland  | Pure Oil, W. G. Murvin "B" No. 1         | C NW NW 27-4N-9E   | 2,710            | 2,627               | Cypress ss.                             | 165                              | 4-14-42            |
| 35 Noble.....                        | Richland  | Pure Oil, Berger Cons. No. 1             | C NW NW 26-4N-9E   | 2,588            | 2,547               | Walter ss.                              | 41 + 7                           | 12-15-42           |
| 36 Noble.....                        | White     | Sinclair-Wyoming Oil, Cobbel No. 1       | SE SW SW 36-6S-5E  | 3,158            | 2,836; 2,955; 3,154 | Bethel ss.; Aux Vases ss.; McClosky ls. | 159                              | 7-7-42             |
| 37 Roland.....                       | Hamilton  | D. Ring, Craddock No. 1                  | NE SE NW 22-6S-5E  | 3,225            | 3,189               | Aux Vases ss.                           | 180 + 14                         | 1-6-42             |
| 38 Rural Hill.....                   | Hamilton  | D. Ring, Johnson No. 1                   | C NW SE 21-6S-5E   | 3,257            | 3,170               | Aux Vases ss.                           | 11 + 43                          | 3-21-42            |
| 39 Rural Hill.....                   | Hamilton  | Ohio Oil, M. C. Moore No. 1              | NE SE NW 35-6S-5E  | 3,315            | 3,296               | Aux Vases ss.                           | 146 + 26                         | 7-28-42            |
| 40 Rural Hill.....                   | Madison   | Oberling, Buchman No. 1                  | SW NW SE 27-3N-6W  | 2,357            | 2,209               | "Tranton" ls.                           | 147                              | 9-1-42             |
| 41 St. Jacob.....                    | Clay      | W. C. McBride, W. F. Meach No. 1         | SE NE NW 10-3N-7E  | 2,605            | 2,592               | Walter ss.                              | 71 + 4                           | 10-13-42           |
| 42 Sailor Springs.....               | Marion    | J. W. Menhall, Boles No. 1               | W SW NW 15-1N-2E   | 2,085            | 2,061               | Rosiclare ss.                           | 48                               | 5-5-42             |
| 43 Salem.....                        | Franklin  | Big Chief Drilling, Old Ben Coal No. 1   | NW NE NW 25-5S-1E  | 2,882            | 2,690               | Aux Vases ss.                           | 60                               | 6-9-42             |
| 44 Sesser.....                       | Franklin  | J. D. Derrnell, Old Ben Coal No. 1       | SE NE NW 20-5S-2E  | 2,715            | 2,705               | Aux Vases ss.                           | 32 + 11                          | 6-16-42            |
| 45 Sesser.....                       | Franklin  | Nash Redwine, L. Irvin No. 1             | E SE NW 35-6S-5E   | 3,149            | 3,134               | Aux Vases ss.                           | 311                              | 10-13-42           |
| 46 Walpole.....                      | Franklin  | E. S. Adkins, Orient "B" No. 1           | SE SE SW 12-7S-2E  | 2,975            | 2,698               | Aux Vases ss.                           | 15                               | 8-25-42            |
| 47 West Frankfort.....               | Franklin  | E. S. Adkins, Orient "B" No. 1           | NW NW SW 18-7S-3E  | 2,055            | 2,037               | Tur Springs ss.                         | 108                              | 12-8-42            |
| 48 West Frankfort.....               | Franklin  | E. S. Adkins, Peabody Coal No. 1         | NW NW SW 18-7S-3E  | 2,055            | 2,037               | Tur Springs ss.                         | 108                              | 12-8-42            |

<sup>a</sup> Included (11-10-42) with Alendale.<sup>b</sup> (N) + water

TABLE 4.—*Discovery Wells of Additional Producing Zones in Pools in Illinois in 1942*

|    | Pool                        | County     | Company and Farm                       | Location  | Total Depth, Ft. | Depth to Top, Ft. | Producing Formation | Initial Production, Bbl. | Date Completion |
|----|-----------------------------|------------|----------------------------------------|-----------|------------------|-------------------|---------------------|--------------------------|-----------------|
| 1  | Aden.....                   | Wayne      | The Texas, H. Silverman No. 5          | 16-3S-7E  | 3,340            | 3,331             | McClosky ls.        | 141                      | 10-20           |
| 2  | Alma.....                   | Marion     | The Texas, J. Mazanek No. 1            | 36-4N-2E  | 1,939            | 1,930             | Bethel ss.          | 15 + 3 <sup>b</sup>      | 1-20            |
| 3  | Benton North...             | Franklin   | A. W. Torbett, Isaacs No. 1-A          | 1-6S-2E   | 2,626            | 2,600             | Paint Creek ss.     | 30 + 25                  | 3-24            |
| 4  | Bible Grove.....            | Clay       | The Texas, W. Landwehr No. 1           | 8-5N-7E   | 2,501            | 2,490             | Cypress ss.         | 132                      | 4-28            |
| 5  | Blairsville.....            | Hamilton   | The Texas, Minton No. 5                | 20-4S-7E  | 3,458            | 3,440             | McClosky ls.        | 2,128                    | 1-5-4           |
| 6  | Boos North.....             | Jasper     | Pure, Swick Cons. "A" No. 1            | 20-6N-10E | 2,858            | 2,807             | Rosiclare ss.       | 748                      | 11-3            |
| 7  | Boulder.....                | Clinton    | E. F. Jones, Harrison No. 2            | 2-2N-2W   | 2,670            | 2,584             | Devonian ls.        | 341 + 38                 | 10-6            |
| 8  | Boyleston.....              | Wayne      | Gulf Ref., P. Carter No. 1             | 2-2S-7E   | 3,236            | 3,214             | Levias ls.          | 19 + 1                   | 12-1            |
| 9  | Centerville E.....          | White      | Sun Oil, G. Spencer No. 1              | 8-4S-10E  | 2,976            | 2,960             | Bethel ss.          | 64                       | 6-16            |
| 10 | Coil.....                   | Wayne      | W. C. McBride, S. Gregory No. 1        | 30-1S-5E  | 3,056            | 2,971             | McClosky ls.        | 4 + 11                   | 12-1            |
| 11 | Covington.....              | Wayne      | Gulf Ref., Blackburn-Thomas No. 3      | 19-1S-7E  | 3,240            | 3,219             | Rosiclare ss.       | 151                      | 8-25            |
| 12 | Covington.....              | Wayne      | Kewanee O. & G. Co., Beck et al. No. 1 | 29-1S-7E  | 3,225            | 3,209             | Levias ls.          | 139                      | 7-21            |
| 13 | Covington.....              | Wayne      | Pure, L. C. Finley No. 1               | 25-1S-6E  | 3,153            | 3,115             | Aux Vases ss.       | 10 + 16                  | 9-1-4           |
| 14 | Dale-Hoodville..            | Hamilton   | Magnolia Petr., Betts et al. No. 1     | 11-6S-6E  | 3,163            | 3,150             | Levias ls.          | 32 + 6                   | 4-21            |
| 15 | Friendsville.....           | Wabash     | Skiles, Smalley No. 2                  | 3-1S-13W  | 2,325            | 2,289             | Cypress ss.         | 176                      | 11-17           |
| 16 | Geff.....                   | Wayne      | Pure Oil, G. W. Pike No. 1             | 13-1S-7E  | 3,147            | 3,065             | Aux Vases ss.       | 237                      | 7-28            |
| 17 | Grayville.....              | White      | Skelly Oil, S. Fearn No. 1             | 19-3S-14W | 1,842            | 1,836             | Biehl ss.           | 12 + 30                  | 5-26            |
| 18 | Inman East.....             | Gallatin   | Cherry & Kidd, Kerwin No. 1            | 11-8S-10E | 1,851            | 1,840             | Palestine ss.       | 180 + 54                 | 9-29            |
| 19 | Inman East.....             | Gallatin   | Cherry & Kidd, Kerwin No. 5            | 11-8S-10E | 2,057            | 1,725             | Clore ss.           | 177 + 15                 | 11-3            |
| 20 | Inman East.....             | Gallatin   | Skelly Oil, Egyptian T. & T. No. 1     | 21-8S-10E | 2,002            | 1,980             | Waltersburg ss.     | 210 + 36                 | 6-23            |
| 21 | Iola.....                   | Clay       | H. Luttrell, Reed Heirs No. 1          | 15-5N-5E  | 2,306            | 2,292             | Bethel ss.          | 82                       | 11-24           |
| 22 | Irvington.....              | Washington | Gulf, Brink No. 4                      | 14-1S-1W  | 1,389            | 1,386             | Weiler ss.          | 14                       | 1-5-4           |
| 23 | King.....                   | Jefferson  | Oil Carriers Inc., Mace No. 1          | 33-3S-3E  | 2,848            | 2,771             | Levias ls.          | 103                      | 9-15            |
| 24 | King.....                   | Jefferson  | Oil Carriers Inc., Mace No. 1          | 33-3S-3E  | 2,848            | 2,823             | McClosky ls.        |                          |                 |
| 25 | Lawrence South <sup>a</sup> | Lawrence   | W. R. White, A. Hershey No. 1          | 27-2N-12W | 2,023            | 2,014             | Bethel ss.          | 126                      | 5-5-4           |
| 26 | Maunie.....                 | White      | McElvain et al., Poole-Parr No. 3      | 13-6S-10E | 2,855            | 2,843             | Aux Vases ss.       | 185                      | 7-14            |
| 27 | Maunie.....                 | White      | McElvain et al., Poole-Parr No. 6-C    | 13-6S-10E | 2,203            | 2,190             | Tar Springs ss.     | 192                      | 9-8-4           |
| 28 | Maunie.....                 | White      | H. K. Riddle, E. P. Hubele No. 1       | 7-6S-11E  | 1,335            | 1,315             | Pennsylvanian ss.   | 58                       | 5-12            |
| 29 | Maunie South...             | White      | B. Lambert, Sisson-Higgins No. 1       | 24-6S-10E | 1,925            | 1,904             | Degonia ss.         | 19                       | 6-16            |
| 30 | Mt. Erie.....               | Wayne      | Jablonski & Duncan, Garrison No. 1     | 35-1N-8E  | 2,988            | 2,973             | Aux Vases ss.       | 180                      | 9-8-4           |
| 31 | Mt. Erie South...           | Wayne      | H. H. Weinert, J. Crews No. 1          | 28-1S-8E  | 3,380            | 3,255             | Rosiclare ss.       | 20 + 20                  | 7-28            |
| 32 | Parkersburg.....            | Edwards    | Magnolia Petr., C. C. Brake No. 1      | 31-2N-14W | 2,970            | 2,953             | Paint Creek ss.     | 47                       | 6-2-4           |
| 33 | Parkersburg.....            | Edwards    | Sinclair-Wyoming, A. Bierhaus No. 1    | 6-1N-14W  | 2,870            | 2,832             | Weiler ss.          | 23                       | 7-28            |
| 34 | Phillipstown.....           | White      | Jarvis Bros., K. & E. Spencer No. 1    | 31-4S-11E | 2,034            | 2,019             | Clore ss.           | 40                       | 7-21            |
| 35 | Phillipstown.....           | White      | Jarvis Bros., Spencer No. 2            | 31-4S-11E | 2,059            | 2,052             | Palestine ss.       | 30 + 70                  | 6-23            |
| 36 | Roaches.....                | Jefferson  | E. M. Self, J. German No. 1            | 16-2S-1E  | 2,200            | 2,160             | Levias ls.          | 10 + 50                  | 10-13           |
| 37 | Roland.....                 | White      | Kingwood-Sinclair, Hale "B" No. 1      | 1-7S-8E   | 3,050            | 2,997             | McClosky ls.        | 203 + 10                 | 7-28            |

<sup>a</sup> Included (11-16-42) with Allendale pool<sup>b</sup> Oil + water.

footage of wildcat wells drilled in 1942 was 1,367,291 ft., of which a total of 253,125 ft. was drilled in successful wells.

Subsurface geology and geophysics, largely the reflection seismograph, are still the principal methods used in exploration and development in Illinois. The number of seismograph parties operating throughout the year was as follows: 15 on Jan. 1, 1942; 11 on Apr. 1; 13 on Oct. 1; and 12 on Jan. 1, 1943.

Although the amount of seismograph work done in 1942 seems to have been as great as that in 1941, it is noteworthy that the number of well locations made on the basis of seismograph surveys decreased from 90 in 1941 to 38 in 1942, and of these 28 discovered new pools or extensions in 1941 as compared with 10 in 1942. On the other hand, the number of wildcat locations and successful wildcats found by the use of only geology increased in 1942 as compared with 1941.

#### DEEP TESTS DURING 1942 (TABLE 7)

Five St. Peter sandstone tests were drilled during 1942 but none was found to be productive. Thirty-one "Trenton" tests were drilled in the state. One of these opened the Madison County St. Jacob pool, which produced 261,000 bbl. of oil from 23 wells by the end of the year. Of

the 18 Devonian tests drilled one was productive—discovering the Devonian oil pay in the Boulder gas field.

#### DEVELOPMENT

Most of the new discoveries and development during 1942 took place in White, Wayne, Hamilton, Clay, and Jasper Counties in the southeastern part of the state. In White County 302 wells were drilled, of which 213 were producing wells (Table 8). Field development during the year was principally in the Rural Hill (White County), New Harmony Consolidated (White County), Sims (Wayne County), and Roland (White County) fields.

#### PROSPECTS FOR 1943

It is anticipated that fewer wells will be drilled in 1943 than in 1942, but reduction probably will be in pool wells rather than in "wildcat" drilling. The abundance of geologic data available from the many wells previously drilled, the large areas yet untested to the deeper formations, and the need for more oil, are factors that should stimulate "wildcat" drilling.

#### ECONOMIC DATA

On the basis of posted prices, the total value of the oil produced in 1942 was

TABLE 4.—(Continued)

|    | Pool                           | County    | Company and Farm                     | Location | Total Depth, Ft. | Depth to Top, Ft. | Producing Formation | Initial Production, Bbl. | Date of Completion |
|----|--------------------------------|-----------|--------------------------------------|----------|------------------|-------------------|---------------------|--------------------------|--------------------|
| 38 | Rural Hill.....                | Hamilton  | Gulf, B. W. Johnson No. 1            | 17-6S-7E | 2,755            | 2,707             | Cypress ss.         | 30                       | 10-27-42           |
| 39 | Sailor Springs S. <sup>c</sup> | Clay      | W. C. McBride, Harrison et al. No. 1 | 3-3N-7E  | 2,608            | 2,597             | Weiler ss.          | 34 + 9                   | 9-15-42            |
| 40 | Salem.....                     | Marion    | Big Chief Drilling, H. Boles No. 1   | 15-1N-2E | 2,085            | 2,061             | Rosiclare ss.       | 48                       | 5-5-42             |
| 41 | Sims.....                      | Wayne     | The Texas, H. O. Fuhrer No. 2        | 28-1S-6E | 3,185            | 3,070             | Levias ls.          | 30                       | 1-20-42            |
| 42 | Sims North.....                | Wayne     | Pure Oil, W. L. Reed No. 1           | 17-1S-6E | 3,178            | 3,150             | Rosiclare ss.       | 243                      | 3-17-42            |
| 43 | Stokes.....                    | White     | Pure, Pyle Cons. No. 2               | 18-6S-9E | 2,915            | 2,890             | Aux Vases ss.       | 152                      | 12-8-42            |
| 44 | Walpole.....                   | Hamilton  | The Texas, R. Hall No. 3             | 27-6S-6E | 2,472            | 2,464             | Tar Springs ss.     | 94 + 4                   | 5-26-42            |
| 45 | Woodlawn.....                  | Jefferson | J. B. Jackson, T. Myers No. 4        | 34-2S-1E | 1,829            | 1,815             | Weiler ss.          | 10 + 3                   | 9-1-42             |

<sup>c</sup> Included (12-31-42) with Sailor Springs pool.

TABLE 5.—*Completions and Production in Illinois since January 1, 1936*

|                | Number of Completions <sup>a</sup> | Number of Producing Wells | Production, Thousands of Barrels |                           |       |
|----------------|------------------------------------|---------------------------|----------------------------------|---------------------------|-------|
|                |                                    |                           | New Fields <sup>b</sup>          | Old Fields <sup>b,c</sup> | Total |
| 1936.....      | 93                                 | 82                        |                                  |                           | 4,    |
| 1937.....      | 449                                | 292                       | 2,884                            | 4,542                     | 7,    |
| 1938.....      | 2,541                              | 2,010                     | 19,771                           | 4,304                     | 24,   |
| 1939.....      | 3,075                              | 2,970                     | 90,908                           | 4,004                     | 94,   |
| 1940.....      | 3,829                              | 3,080                     | 142,969                          | 4,678                     | 147,  |
| 1941.....      | 3,838                              | 2,925                     | 128,993                          | 5,145                     | 134,  |
| 1942:          |                                    |                           |                                  |                           |       |
| January.....   | 272                                | 190                       | 11,176                           | 499                       | 11,   |
| February.....  | 103                                | 64                        | 9,450                            | 374                       | 9,    |
| March.....     | 71                                 | 37                        | 9,579                            | 407                       | 9,    |
| April.....     | 95                                 | 41                        | 8,650                            | 398                       | 9,    |
| May.....       | 149                                | 85                        | 8,646                            | 396                       | 8,    |
| June.....      | 160                                | 74                        | 8,127                            | 393                       | 8,    |
| July.....      | 223                                | 119                       | 8,077                            | 400                       | 8,    |
| August.....    | 179                                | 92                        | 8,075                            | 373                       | 8,    |
| September..... | 163                                | 91                        | 7,563                            | 395                       | 7,    |
| October.....   | 246                                | 163                       | 7,731                            | 405                       | 8,    |
| November.....  | 176                                | 111                       | 7,424                            | 377                       | 7,    |
| December.....  | 179                                | 112                       | 7,339                            | 420                       | 7,    |
|                | 2,016                              | 1,179                     | 101,837                          | 4,753                     | 106,  |

<sup>a</sup> Includes only oil or gas producers and dry holes.<sup>b</sup> Production figures based on information furnished by oil companies and pipe line companies.<sup>c</sup> Includes Devonian production at Sandoval and Bartleso.<sup>d</sup> From the U. S. Bureau of Mines.

approximately \$145,315,350. Posted prices for Illinois crude oil in 1942 were \$1.37 for the central basin fields, Salem area and Griffin area, and \$1.22 per barrel for oil in the old fields.

TABLE 6.—*Wildcat Wells Drilled in Illinois in 1942*  
CLASSIFIED ACCORDING TO METHOD  
OF LOCATION

| Method                       | Number of Wells | Number of Producers | Percentage of Wells Successful |
|------------------------------|-----------------|---------------------|--------------------------------|
| Geology.....                 | 360             | 68                  | 19                             |
| Seismograph.....             | 29              | 5                   | 17                             |
| Seismograph and geology..... | 19              | 5                   | 26                             |
| Total scientific.....        | 408             | 78                  | 19                             |
| Nonscientific.....           | 90              | 7                   | 8                              |
| Unknown.....                 | 51              | 11                  | 20                             |
| Total.....                   | 549             | 96 <sup>a</sup>     | 17                             |

<sup>a</sup> Includes six small gas producers from which no gas has been marketed and two small oil wells that were not commercial but that may be "edge wells."

In 1942 a total of 5,339,504 ft. of hole was drilled in the state. Of this amount 3,194,564 ft. represents producing wells. With an assumed average cost of \$4.00

per foot, the total investment in drilling was \$21,358,016, including both producing wells and dry holes. In the 549 (19 "wildcats," 1,367,291 ft. of hole was drilled. At \$4.00 per foot, the drilling cost of these "wildcats" amounted to \$5,461,640. The average depth of all wells drilled in the state in 1942 was 2607 ft., as compared with 2480 ft. in 1941.

The average initial production of 1 oil wells for 1942 was 182 bbl. as against 278 bbl. for 1941.

#### PIPE LINES

Construction of pipe lines in Illinois in 1942 was limited principally to lines connecting new pools with existing true lines, as follows:

#### Crude Oil

Ashland Oil and Refining Co., Inc.—5 mi 4-in., Sims field northeast to Johnsonville (Sohio) pump station, Wayne County 9 miles 4-in., Coil field northeast to Johnsonville station, Wayne County.  
Central Pipe Line Co.—3 miles 4-in., Bonfield to Parkersburg field pump station

ALFRED H. BELL AND CHARLES W. CARTER

TABLE 7.—*Important Tests in 1942*

|    | County         | Pool or Wildcat | Location   | Company and Farm                          | Total Depth, Ft. | Deepest Formation Tested | Top, Ft. | Remarks   | Da Corplet |
|----|----------------|-----------------|------------|-------------------------------------------|------------------|--------------------------|----------|-----------|------------|
| 1  | Adams.....     | Wildcat         | 26-2S-8W   | Ohio Oil, G. Fingerlin No. 1              | 675              | St. Peter                | 666      | Dry       | 3/3/4      |
| 2  | Adams.....     | Wildcat         | 35-1S-6W   | A. L. Williams, Pieper No. 1              | 987              | "Trenton"                | 789      | Dry       | 10/6/      |
| 3  | Alexander....  | Wildcat         | 4-1S-3W    | Whitebread & Kippings, R. W. Menton No. 1 | 609              | "Trenton"                | ?        | Dry       | 10/6/      |
| 4  | Bond.....      | Wildcat         | 8-6N-4W    | E. J. Hubbert et al., Shideler No. 1      | 2,051            | Devonian                 | 1,910    | Dry       | 2/24/      |
| 5  | Bond.....      | Wildcat         | 31-7N-4W   | Downing & George, Sorento Bank No. 1      | 2,025            | Devonian                 | 1,914    | Dry       | 3/24/      |
| 6  | Champaign...   | Wildcat         | 20-20N-8E  | Barber & Sievers, Lindsey No. 1           | 2,054            | St. Peter                | 2,027    | Dry       | 11/1/      |
| 7  | Clark.....     | Wildcat         | 32-9N-14W  | C. R. Craft, W. Finney No. 1              | 2,691            | Devonian                 | 2,504    | Dry       | 6/23/      |
| 8  | Clark.....     | Wildcat         | 7-10N-11W  | Craft et al., Imle No. 1                  | 2,623            | Devonian                 | 2,464    | Dry       | 6/23/      |
| 9  | Clinton.....   | Wildcat         | 19-2N-1W   | Texas, C. Zimmerman No. 1                 | 2,970            | Devonian                 | 2,835    | Dry       | 8/4/       |
| 10 | Clinton.....   | Wildcat         | 23-2N-5W   | E. J. Ruwaldt, Twiss No. 1                | 3,044            | "Trenton"                | 2,944    | Dry       | 8/25/      |
| 11 | Clinton.....   | Boulder         | 2-2N-2W    | E. Frank Jones, Harrison No. 2            | 2,670            | Devonian                 | 2,584    | 341 + 38" | 10/6/      |
| 12 | Clinton.....   | Wildcat         | 29-2N-4W   | Olson Oil, H. B. Albertson No. 1          | 3,250            | "Trenton"                | 3,105    | Dry       | 12/1/      |
| 13 | Clinton.....   | Wildcat         | 33-3N-1W   | Gulf, E. Martin No. 1                     | 2,953            | Devonian                 | 2,836    | Dry       | 12/2/      |
| 14 | Coles.....     | Wildcat         | 26-14N-9E  | W. L. Topf, T. D. Basler No. 1            | 1,054            | Devonian                 | 1,050    | Dry       | 8/25/      |
| 15 | Crawford.....  | Crawford main   | 35-6N-13W  | Ohio Oil, C. L. Ducommun No. 28           | 4,654            | St. Peter                | 4,650    | Dry       | 3/17/      |
| 16 | Crawford.....  | Crawford main   | 4-6N-13W   | W. A. Waymire, W. R. Buck No. 1           | 2,817            | Devonian                 | 2,780    | Dry       | 8/25/      |
| 17 | Crawford.....  | Wildcat         | 26-8N-13W  | G. Moulton, Lamb Unit No. 1               | 2,842            | Devonian                 | 2,796    | Dry       | 9/8/       |
| 18 | Edgar.....     | Wildcat         | 14-13N-14W | D. Russell, Whiteside No. 1               | 1,228            | Devonian                 | 1,199    | Dry       | 8/25/      |
| 19 | Edgar.....     | Wildcat         | 12-15N-14W | Olson Oil, Morrow No. 1                   | 929              | Devonian                 | 897      | Dry       | 9/22/      |
| 20 | Fulton.....    | Wildcat         | 28-4N-2E   | Lagers & Webb, Clear No. 1                | 1,165            | "Trenton"                | 976      | Dry       | 1/20/      |
| 21 | Fulton.....    | Wildcat         | 19-5N-4E   | Bowton et al., P. J. McNally No. 1        | 1,110            | "Trenton"                | 1,097    | Dry       | 4/28/      |
| 22 | Hancock.....   | Wildcat         | 24-4N-7W   | W. C. Cain, Tobias No. 1                  | 865              | "Trenton"                | 730      | Dry       | 3/3/       |
| 23 | Henderson...   | Wildcat         | 22-11N-5W  | C. M. Stotts, Stotts-Richmond No. 1       | 900              | Glenwood                 | 865      | Dry       | 1/5/       |
| 24 | Iroquois.....  | Wildcat         | 7-25N-13W  | Robinson-Puckett, Inc., Behrens No. 1     | 935              | Silurian                 | 313      | Dry       | 1/6/       |
| 25 | Iroquois.....  | Wildcat         | 17-26N-12W | Detrick & Stuart, Lockhart No. 1          | 1,032            | "Trenton"                | 940      | Dry       | 2/24/      |
| 26 | Jefferson..... | Wildcat         | 8-3S-1E    | Magnolia Petroleum, Riddle Bros. No. 1    | 3,860            | Devonian                 | 3,705    | Dry       | 2/3/       |
| 27 | Jefferson..... | Wildcat         | 16-3S-3E   | Texas, H. P. Crouch No. 1                 | 4,759            | Devonian                 | 4,520    | Dry       | 9/15/      |
| 28 | McDonough...   | Wildcat         | 4-4N-4W    | J. B. Bushnell, Newland No. 1             | 535              | Maquoketa                | 535      | Dry       | 2/10/      |
| 29 | McDonough...   | Wildcat         | 29-4N-4W   | C. B. Talbot, F. W. Powell No. 1          | 725              | "Trenton"                | 700 Est. | Dry       | 2/17/      |
| 30 | McDonough...   | Wildcat         | 2-4N-4W    | D. K. Degenther, E. W. Hagon No. 1        | 782              | "Trenton"                | 650      | Dry       | 6/16/      |
| 31 | McDonough...   | Wildcat         | 30-5N-4W   | H. J. Hensley, Bushnell No. 1             | 851              | "Trenton"                | 750      | Dry       | 7/14/      |
| 32 | McLean.....    | Wildcat         | 33-24N-5E  | J. M. McLaughlin, J. McGowan No. 1        | 2,261            | St. Peter                | 2,125    | Dry       | 11/7/      |
| 33 | Madison.....   | Wildcat         | 33-5N-6W   | Alch & Carroll, Rinkel No. 1              | 2,584            | "Trenton"                | 2,457    | Dry       | 3/10/      |
| 34 | Madison.....   | Wildcat         | 16-3N-6W   | M. D. Bryant et al., H. Meyer No. 1       | 2,354            | "Trenton"                | 2,319    | 118       | 6/2/       |
| 35 | Madison.....   | Wildcat         | 19-3N-6W   | J. W. Menhall, Holtgrave No. 1            | 2,403            | "Trenton"                | 2,379    | Dry       | 9/2/       |
| 36 | Madison.....   | Wildcat         | 21-4N-8W   | Gulf Oil, Stewart No. 1                   | 2,136            | "Trenton"                | 1,976    | Dry       | 9/8/       |
| 37 | Madison.....   | Wildcat         | 28-3N-6W   | Oils Inc., Noll No. 1                     | 2,506            | "Trenton"                | 2,481    | Dry       | 11/7/      |
| 38 | Madison.....   | Wildcat         | 2-4N-6W    | L. Sloan, Kisner No. 1                    | 2,619            | "Trenton"                | 2,517    | Dry       | 11/7/      |

\* Oil + water.

- Edwards County; 5 miles 4-in., Lancaster station south to Friendsville field, Wabash County; 3 miles 4-in., Benton North field south to Benton field, Franklin County.
- Gulf Pipe Line Co.—2 miles 3-in., Mason field to the Edgewood station, Clay County.
- Illinois Pipe Line Co.—18 miles 6-in. and 4-in. combination, Bible Grove field to Montrose Station, Effingham County; 8 miles 8-in. Parkersburg field east to Lancaster Station, Wabash County.
- Louden Pipe Line Co.—2 miles 2-in., Kell field northwest to the C. & E. I. R. R. near Kell, Marion County.
- Magnolia Pipe Line Co.—3 miles 4-in., Roaches field to Woodlawn field, Jefferson County.
- Pure Oil Co.—3 miles 4-in. Sainte Marie field to (Sohio) trunk line, Jasper County; 6 miles 6-in. Johnsonville field to Cisne Station, Wayne County; 8 miles 6-in. loop in Cisne field to Clay City field line, Clay County.
- Shell Pipe Line Corp.—3 miles 6-in., Rural Hill field north to Illinois Pipe Line, Hamilton County.
- Slater Oil and Grease Co.—3 miles 3-in., King field south to C. and E. I. R. R. at Bonnie, Jefferson County.
- Sohio Pipe Line Co.—6 miles 4-in., St. Jacob field north to Magnolia trunk line near Marine, Ill.; 5 miles 2-in., St. James field to St. Paul field, Fayette County; 1 mile 2-in., Dundas East field southeast to the Sohio Pipe Line trunk line, Richland County; 20 miles 4-in. and 6-in., Johnsonville field to Flora pump station (Sohio), Clay County; 6 miles 6-in., Covington pump station to

TABLE 7.—(Continued)

|    | County         | Pool or Wildcat | Location   | Company and Farm                          | Total Depth, Ft. | Deepest Formation Tested | Top, Ft. | Remarks | Date Completed |
|----|----------------|-----------------|------------|-------------------------------------------|------------------|--------------------------|----------|---------|----------------|
| 39 | Madison.....   | Wildcat         | 20-4N-7W   | Ledbetter & Gardenhire, Holtman No. 1     | 2,320            | "Trenton"                | 2,207    | Dry     | 11/10/42       |
| 40 | Madison.....   | Wildcat         | 7-6N-7W    | E. C. Stout et al., Goebel et al., No. 1  | 2,079            | "Trenton"                | 1,987    | Dry     | 12/15/42       |
| 41 | Montgomery..   | Wildcat         | 29-8N-5W   | W. R. Holmes, Niemann No. 1               | 602              | Pennsylvanian            | 600      | 15      | 12/15/42       |
| 42 | Morgan.....    | Wildcat         | 25-13N-10W | G. L. Hills et al., J. W. Sharp No. 1     | 952              | Devonian                 | 807      | Dry     | 7/28/42        |
| 43 | Morgan.....    | Wildcat         | 29-14N-10W | Allan J. Coe, Robinson No. 1              | 1,041            | Devonian                 | 937      | Dry     | 7/21/42        |
| 44 | Perry.....     | Wildcat         | 23-4S-2W   | Shell Oil, J. Schubert No. 1              | 3,014            | Devonian                 | 2,853    | Dry     | 3/17/42        |
| 45 | Perry.....     | Wildcat         | 1-5S-2W    | Texas, W. Malinski No. 1                  | 3,087            | Devonian                 | 2,889    | Dry     | 6/9/42         |
| 46 | Pulaski.....   | Wildcat         | 9-15S-1E   | R. G. Williams et al., W. L. Richey No. 1 | 3,885            | St. Peter                | 3,872    | Dry     | 7/28/42        |
| 47 | St. Clair..... | Wildcat         | 24-1S-10W  | W. Payne, W. Ehlers No. 1                 | 1,097            | "Trenton"                | 983      | Dry     | 6/23/42        |
| 48 | St. Clair..... | Wildcat         | 5-2N-6W    | Weinert et al., North No. 1               | 2,471            | "Trenton"                | 2,440    | Dry     | 9/22/42        |
| 49 | St. Clair..... | Wildcat         | 28-2S-8W   | T. R. Kerwin, Harbaugh No. 1              | 1,396            | "Trenton"                | 1,356    | Dry     | 9/15/42        |
| 50 | St. Clair..... | Wildcat         | 5-1N-8W    | Mid-Sun Oil, Schneppe Community No. 1     | 2,001            | "Trenton"                | 1,930    | Dry     | 10/27/42       |
| 51 | St. Clair..... | Wildcat         | 17-2N-7W   | L. L. Benoist, Hobrein No. 1              | 2,095            | "Trenton"                | 2,021    | Dry     | 11/3/42        |
| 52 | St. Clair..... | Wildcat         | 31-2N-7W   | P. S. Pritchard et al., Holiday No. 1     | 2,039            | "Trenton"                | 1,920    | Dry     | 10/27/42       |
| 53 | St. Clair..... | Wildcat         | 14-1N-6W   | Smokey Oil, E. Morris Community No. 1     | 2,765            | "Trenton"                | 2,672    | Dry     | 1/5/43         |
| 54 | St. Clair..... | Wildcat         | 2-1N-8W    | Mid-Sun Oil, Randle No. 1                 | 1,977            | "Trenton"                | 1,875    | Dry     | 12/15/42       |
| 55 | St. Clair..... | Wildcat         | 26-2N-6W   | V. J. Nolan, J. D. Schoene No. 1          | 2,689            | "Trenton"                | 2,648    | Dry     | 1/5/43         |
| 56 | St. Clair..... | Wildcat         | 16-2N-8W   | Smokey Oil, A. Kinsella No. 1             | 2,009            | "Trenton"                | 1,925    | Dry     | 1/5/43         |
| 57 | Schuyler.....  | Wildcat         | 25-3N-4W   | W. Vette, Prudential Life Ins. No. 1      | 924              | "Trenton"                | 764      | Dry     | 5/5/42         |
| 58 | Tazewell.....  | Wildcat         | 24-25N-3W  | R. Bartelmay, Mathis No. 1-A              | 1,675            | "Trenton"                | 1,672    | Dry     | 3/24/42        |
| 59 | White.....     | Maunie          | 7-6S-11E   | H. K. Riddle, E. P. Hubele No. 1          | 1,335            | Pennsylvanian            | ?        | 58      | 5/12/42        |
| 60 | White.....     | Storms          | 27-6S-8E   | Green-Johnston, Aud No. 1                 | 89               | Pennsylvanian            | ?        | Dry     | 11/24/42       |

Johnsonville pump station, Wayne County; 7 miles 2-in., Bone Gap field south to Albion field, Edwards County; 2 miles 3-in., Barnhill East field south to Sohio trunk line, Wayne County; 12 miles 4-in. Woodlawn field to Dix to Centralia (Sohio) line and 6 miles 6-in. from there to Centralia field to

Robinson, Ill. trunk line (Sohio); 1 mile 2-in. Sailor Springs Cons. field to the Sohio trunk line, Clay County; 3 miles 2-in., Friendsville field to Maud field, Wabash County; 2 miles 4-in., Concord field northeast to Sohio trunk line, White County; 5 miles 4-in., Rural Hill field north to Sohio trunk line, Hamilton

TABLE 8.—Summary of Drilling and Initial Production in Illinois for 1942

| County |                 | Number of Wells Drilled |                 | Total Initial Production |           | Footage Drilled*      |           |                 |
|--------|-----------------|-------------------------|-----------------|--------------------------|-----------|-----------------------|-----------|-----------------|
|        |                 | Total Completions       | Total Producing |                          | Oil, Bbl. | Gas, Millions Cu. Ft. | Total     | Producing Wells |
|        |                 |                         | Oil             | Gas                      |           |                       |           |                 |
| 1      | Adams.....      | 2                       | 0               | 0                        | 0         | 0                     | 2,237     |                 |
| 2      | Alexander.....  | 1                       | 0               | 0                        | 0         | 0                     | 609       |                 |
| 3      | Bond.....       | 16                      | 3               | 1                        | 43        | 0.50                  | 18,870    | 4,50            |
| 4      | Champaign.....  | 1                       | 0               | 0                        | 0         | 0                     | 577       |                 |
| 5      | Christian.....  | 2                       | 0               | 0                        | 0         | 0                     | 2,997     |                 |
| 6      | Clark.....      | 11                      | 1               | 0                        | 5         | 0                     | 13,470    | 1,50            |
| 7      | Clay.....       | 137                     | 74              | 0                        | 12,387    | 0                     | 387,891   | 201,8           |
| 8      | Clinton.....    | 59                      | 28              | 0                        | 3,890     | 0                     | 86,002    | 37,0            |
| 9      | Coles.....      | 12                      | 1               | 0                        | 10        | 0                     | 17,749    | 1,8             |
| 10     | Crawford.....   | 16                      | 3               | 0                        | 73        | 0                     | 31,871    | 5,1             |
| 11     | Cumberland..... | 5                       | 0               | 0                        | 0         | 0                     | 10,171    |                 |
| 12     | Edgar.....      | 3                       | 0               | 0                        | 0         | 0                     | 3,016     |                 |
| 13     | Edwards.....    | 49                      | 30              | 0                        | 8,850     | 0                     | 156,230   | 95,5            |
| 14     | Effingham.....  | 38                      | 16              | 0                        | 1,316     | 0                     | 84,500    | 35,7            |
| 15     | Fayette.....    | 69                      | 47              | 0                        | 6,125     | 0                     | 147,146   | 103,8           |
| 16     | Franklin.....   | 65                      | 23              | 0                        | 1,700     | 0                     | 178,300   | 57,7            |
| 17     | Fulton.....     | 2                       | 0               | 0                        | 0         | 0                     | 2,275     |                 |
| 18     | Gallatin.....   | 53                      | 30              | 1                        | 3,233     | 2.00                  | 130,315   | 70,8            |
| 19     | Hamilton.....   | 256                     | 185             | 0                        | 47,341    | 0                     | 810,785   | 581,2           |
| 20     | Hancock.....    | 1                       | 0               | 0                        | 0         | 0                     | 865       |                 |
| 21     | Hardin.....     | 1                       | 0               | 0                        | 0         | 0                     | 1,822     |                 |
| 22     | Henderson.....  | 1                       | 0               | 0                        | 0         | 0                     | 900       |                 |
| 23     | Iroquois.....   | 2                       | 0               | 0                        | 0         | 0                     | 1,967     |                 |
| 24     | Jackson.....    | 5                       | 0               | 0                        | 0         | 0                     | 6,493     |                 |
| 25     | Jasper.....     | 101                     | 71              | 0                        | 18,398    | 0                     | 289,945   | 202,7           |
| 26     | Jefferson.....  | 84                      | 32              | 0                        | 4,524     | 0                     | 216,626   | 80,4            |
| 27     | Johnson.....    | 1                       | 0               | 0                        | 0         | 0                     | 705       |                 |
| 28     | La Salle.....   | 1                       | 0               | 0                        | 0         | 0                     | 420       |                 |
| 29     | Lawrence.....   | 58                      | 37              | 5                        | 3,779     | 5.17                  | 98,799    | 66,7            |
| 30     | Livingston..... | 1                       | 0               | 0                        | 0         | 0                     | 315       |                 |
| 31     | McDonough.....  | 5                       | 1               | 0                        | 2         | 0                     | 3,340     | 4               |
| 32     | McLean.....     | 1                       | 0               | 0                        | 0         | 0                     | 2,261     |                 |
| 33     | Macon.....      | 1                       | 0               | 0                        | 0         | 0                     | 1,333     |                 |
| 34     | Macoupin.....   | 20                      | 1               | 4                        | 10        | 1.85                  | 9,477     | 2,5             |
| 35     | Madison.....    | 35                      | 23              | 0                        | 5,034     | 0                     | 85,323    | 54,6            |
| 36     | Marion.....     | 42                      | 13              | 0                        | 512       | 0                     | 94,044    | 21,1            |
| 37     | Monroe.....     | 1                       | 0               | 0                        | 0         | 0                     | 242       |                 |
| 38     | Montgomery..... | 4                       | 1               | 1                        | 45        | 0.60                  | 2,536     | 6               |
| 39     | Morgan.....     | 3                       | 0               | 0                        | 0         | 0                     | 2,403     |                 |
| 40     | Peoria.....     | 1                       | 0               | 0                        | 0         | 0                     | 966       |                 |
| 41     | Perry.....      | 14                      | 3               | 0                        | 50        | 0                     | 22,793    | 3,4             |
| 42     | Pulaski.....    | 1                       | 0               | 0                        | 0         | 0                     | 3,885     |                 |
| 43     | Putnam.....     | 1                       | 0               | 0                        | 0         | 0                     | 375       |                 |
| 44     | Randolph.....   | 2                       | 0               | 0                        | 0         | 0                     | 2,707     |                 |
| 45     | Richland.....   | 92                      | 49              | 1                        | 7,231     | 3.80                  | 271,856   | 142,2           |
| 46     | St. Clair.....  | 24                      | 5               | 0                        | 155       | 0                     | 13,210    | 3,3             |
| 47     | Saline.....     | 12                      | 0               | 0                        | 0         | 0                     | 37,609    |                 |
| 48     | Schuyler.....   | 1                       | 0               | 0                        | 0         | 0                     | 924       |                 |
| 49     | Shelby.....     | 4                       | 0               | 0                        | 0         | 0                     | 7,765     |                 |
| 50     | Tazewell.....   | 1                       | 0               | 0                        | 0         | 0                     | 1,675     |                 |
| 51     | Wabash.....     | 95                      | 61              | 0                        | 6,076     | 0                     | 220,307   | 139,9           |
| 52     | Washington..... | 29                      | 14              | 0                        | 576       | 0                     | 43,811    | 20,7            |
| 53     | Wayne.....      | 297                     | 201             | 0                        | 52,292    | 0                     | 955,420   | 645,5           |
| 54     | White.....      | 302                     | 213             | 0                        | 27,982    | 0                     | 830,614   | 612,9           |
| 55     | Williamson..... | 7                       | 0               | 0                        | 0         | 0                     | 19,160    |                 |
|        |                 | 2,048                   | 1,166           | 13                       | 211,639   | 13.92                 | 5,339,504 | 3,194,5         |

\* Includes old wells deepened.

TABLE 9.—*Fields with Wells Producing from More than One Formation*

|    | Field                         | County             | Total Number of Combination Wells | Number of Wells and Producing Formations <sup>a</sup>                                                                                                                                         |
|----|-------------------------------|--------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Iola.....                     | Clay               | 1                                 | 1BA                                                                                                                                                                                           |
| 2  | Clay City Consolidated.....   | Clay, Wayne        | 12                                | 6RM, 1ARM, 1AM, 1CR, 1CB, 2AF                                                                                                                                                                 |
| 3  | Albion.....                   | Edwards            | 5                                 | 2BA, 1BM, 2BAM                                                                                                                                                                                |
| 4  | Mason South.....              | Effingham          | 6                                 | 6BA                                                                                                                                                                                           |
| 5  | Louden.....                   | Effingham, Fayette | 101                               | 101CP, 45CB, 14PB, 31CPB                                                                                                                                                                      |
| 6  | Inman East.....               | Gallatin           | 7                                 | 2CW, 1CrT, 2TW, 1PaW, 1PWT                                                                                                                                                                    |
| 7  | Blairsville.....              | Hamilton           | 1                                 | 1ALM                                                                                                                                                                                          |
| 8  | Dale-Hoodville Consolidated.. | Hamilton           | 45                                | 1CA, 1CM, 1LA, 1CB, 40BA, 1RM                                                                                                                                                                 |
| 9  | Rural Hill.....               | Hamilton           | 60                                | 20AL, 19ALM, 8LM, 12AM, 1RA                                                                                                                                                                   |
| 10 | King.....                     | Jefferson          | 2                                 | 1ALM, 1LM                                                                                                                                                                                     |
| 11 | Markham City.....             | Jefferson          | 1                                 | 1LM                                                                                                                                                                                           |
| 12 | Salem.....                    | Marion             | 689                               | 470BA, 215MS, 2BAM, 1AM, 1MD                                                                                                                                                                  |
| 13 | Dundas Consolidated.....      | Richland, Jasper   | 5                                 | 1AM, 4RM                                                                                                                                                                                      |
| 14 | Keensburg Consolidated.....   | Wabash             | 14                                | 2BiC, 6BC, 2BA, 2AM, 1CBA, 1CA                                                                                                                                                                |
| 15 | Maud.....                     | Wabash             | 1                                 | 1WM                                                                                                                                                                                           |
| 16 | Mt. Carmel.....               | Wabash             | 11                                | 1RM, 2BiC, 2BiCM, 6CM                                                                                                                                                                         |
| 17 | Irvington.....                | Washington         | 1                                 | 1CB                                                                                                                                                                                           |
| 18 | Barnhill.....                 | Wayne              | 2                                 | 2RM                                                                                                                                                                                           |
| 19 | Boyleston.....                | Wayne              | 3                                 | 2LM, 1RM                                                                                                                                                                                      |
| 20 | Covington.....                | Wayne              | 2                                 | 2LM                                                                                                                                                                                           |
| 21 | Johnsonville.....             | Wayne              | 7                                 | 5AM, 2AL                                                                                                                                                                                      |
| 22 | Mt. Erie.....                 | Wayne              | 1                                 | 1RM                                                                                                                                                                                           |
| 23 | Sims.....                     | Wayne              | 18                                | 1AL, 4LM, 1RM, 3LAM, 9AM                                                                                                                                                                      |
| 24 | Sims North.....               | Wayne              | 1                                 | 1RM                                                                                                                                                                                           |
| 25 | Aden.....                     | Wayne, Hamilton    | 1                                 | 1AM                                                                                                                                                                                           |
| 26 | Centerville East.....         | White              | 1                                 | 1LT                                                                                                                                                                                           |
| 27 | New Haven.....                | White              | 4                                 | 2TC, 2CM                                                                                                                                                                                      |
| 28 | Phillipstown.....             | White              | 1                                 | 1CT                                                                                                                                                                                           |
| 29 | Stokes.....                   | White              | 1                                 | 1TP                                                                                                                                                                                           |
| 30 | Roland.....                   | White              | 31                                | 1WP, 1WCP, 1WP, 3BA, 1BAM, 1WCA, 3CB, 9WB, 9WA, 1CBA, 1CA                                                                                                                                     |
| 31 | Iron.....                     | White              | 3                                 | 1TC, 1TH, 1BM                                                                                                                                                                                 |
| 32 | Maunie South.....             | White              | 3                                 | 3PaT                                                                                                                                                                                          |
| 33 | New Harmony Consolidated..... | White              | 169                               | 5CP, 1TPB, 30PB, 1TB, 7CBM, 7WCBA, 3CBAM, 1TCM, 2WC, 27CB, 28CBA, 2WA, 3TCA, 3TA, 1TCB, 5AM, 13BA, 1WB, 1TM, 1CM, 2WCBA, 1WCB, 1CPM, 13CA, 2TC, 1CPB, 1BM, 1CPBAM, 1BiCA, 1PA, 1WM, 1WBM, 1RM |
| 34 | Mills Shoals.....             | White, Hamilton    | 3                                 | 3AM                                                                                                                                                                                           |
|    |                               |                    | 1,303                             |                                                                                                                                                                                               |

<sup>a</sup> Names of sands indicated as follows:

Bi, Biehl  
 Bu, Buchanan  
 Pa, Palestine  
 Cl, Clore  
 W, Waltersburg

T, Tar Springs  
 H, Hardinsburg  
 C, Cypress  
 P, Paint Creek Stray  
 B, Bethel

A, Aux Vases  
 L, Levias  
 R, Rosiclare  
 M, McClosky  
 S, Salem  
 D, Devonian

TABLE 10.—*Natural Gas Produced and Marketed in Illinois in 1942*

| Field                     | County   | Where Marketed                            | Amount Produced and Marketed, M Cu. Ft. |
|---------------------------|----------|-------------------------------------------|-----------------------------------------|
| Russellville gas.....     | Lawrence | Illinois, Indiana, Kentucky               | 1,472,183                               |
| Ayers gas.....            | Bond     | Greenville, Illinois                      | 13,454                                  |
| Salem <sup>a</sup> .....  | Marion   | Centralia, Salem and Mt. Vernon, Illinois | 284,584                                 |
| Louden <sup>a</sup> ..... | Fayette  | Brownstown, St. Elmo, Vandalia, Illinois  | 703,216                                 |
| Albion <sup>b</sup> ..... | Edwards  | Albion, Illinois                          | 100,000                                 |
| Total Illinois.....       |          |                                           | 2,573,437                               |

<sup>a</sup> Residue gas from natural-gasoline plants.<sup>b</sup> Used in brick plants until latter shut down 3/31/42.



County; 4 miles 4-in., Walpole field north to Dale-Hoodville Consolidated field, Hamilton County; 3 miles 6-in. loop on Storms to Indiana line.

Sun Oil Co.—2 miles 4-in., Centerville East field west to Centerville Station, White County; 5 miles 4-in., Rural Hill field northeast to Illinois Pipe Line line, Hamilton County.

Texas Pipe Line Co.—4 miles 4-in., 4 miles 6-in., Rural Hill field northeast to pump station and 33 miles 6-in. from there north to Sims field and northeast to Johnsonville pump station, Wayne County; 7 miles 6-in., Blairsville field north to Aden field, Hamilton County.

War Emergency Pipeline—107 miles 24-in., Mississippi River near Thebes, Ill. northeast to the Wabash River at sec. 23, T. 4 S., R. 14 W., White County.

### Natural Gas

Illinois Iowa Power Co.—4 miles 6-in., Salem field southwest to Centralia to Mt. Vernon line; 20 miles 4-in., Centralia, Ill. to Mt. Vernon, Ill.; 14 miles 4-in., Monmouth, Ill. to Galesburg, Ill.; 2 miles 4-in., Oglesby, Ill. north to La Salle, Ill.; 2 miles 4-in., La Salle, Ill. west to Peru, Ill.; 2 miles 4-in., Spring Valley, Ill. east to Peru, Ill.; 4 miles 3-in., Peru, Ill. north to trunk line.

Illinois St. Louis Gas Line Co.—9 miles 4-in., Salem field to Centralia, Ill.

Industrial Natural Gas Co.—12 miles 4-in., 8 miles 6-in., Salem field to Mt. Vernon, Ill.

Natural Gas Pipe Line Co. of America.—2 miles 2-in., Geneseo, Ill. southeast to trunk line; 10 miles 6-in., Sterling, Ill. south to trunk line; 10 miles 8-in., Rockford, Ill. southeast to trunk line; 18 miles 4-in., Sycamore, Ill. northwest to trunk line.

Texas Pipe Line Co.—75 miles 6-in., Salem field to Lawrenceville Station, Lawrence County.

### REFINERIES

No new refineries were constructed in Illinois during 1942, but the total daily refinery capacity was increased from 275,450 to 281,100 barrels.

During the year, 33.1 per cent of Illinois crude oil production was sent to refineries

in the Central refining district (Illinois, Indiana, Kentucky, Michigan and western Ohio) and to the Appalachian refining district (eastern Ohio, western New York, western Pennsylvania and West Virginia). For December 1942, the runs to stills in the Central and the Appalachian refining districts were 26,967,000 bbl. Of this amount, Illinois production was 28.8 per cent. Stocks of crude petroleum on hand in Illinois on Dec. 31, 1942 were 9,170,000 bbl., as compared with 18,280,000 bbl. on Dec. 31, 1941. Stocks of refined products in the Central and Appalachian refining districts compared with the previous year, according to the U. S. Bureau of Mines, are as follows:

| Product                       | Dec. 31,<br>1942, Bbl. | Dec. 31,<br>1941, Bbl. |
|-------------------------------|------------------------|------------------------|
| Gasoline.....                 | 19,026,000             | 22,011,000             |
| Gas oil and distillate fuel.. | 6,643,000              | 4,763,000              |
| Residual fuel oil.....        | 3,025,000              | 4,479,000              |

### PRODUCTION OF NATURAL GAS

The amount of natural gas produced and marketed in Illinois during 1941 was 2,573,437 M cu. ft. The amount sold from each field is given in Table 10.

*Russellville Gas Field.*—Five new wells were drilled within proved territory in the Russellville gas field during 1942, bringing the total number of producing wells in the field to 53. Three of these wells produce from the Bridgeport sand and two from the Buchanan sand. To the end of 1942 the productive area of Buchanan sand proved by drilling was 1600 acres, and of the Bridgeport, 270 acres. The initial productions of the wells was of the order of 2,000,000 cu. feet.

*Ayers Gas Field.*—One well was completed in the Ayers gas field, Bond County, during the year and brought the number of producing wells in that field to 8. The field was discovered in 1922, covers 335 acres and has produced a total of approximately 221,000,000 cu. ft. of gas from the

Bethel sandstone at a depth of about 950 feet.

#### NATURAL GASOLINE PLANTS

Natural gas accompanying oil production in the Loudon field during 1942 is estimated at 8,400,000,000 cu. ft. The average daily production at the end of the year was approximately 20,000,000 cu. ft. The greater part of this gas is processed daily by the Carter Oil Company's two repressuring plants and 6,000,000 cu. ft. of residue gas is injected into the producing sands. Residue gas from the two plants is furnished also to the G. H. and G. Pipe Line Co. for the towns of St. Elmo, Brownstown, and Vandalia, Ill., at the rate of 1,900,000 cu. ft. per day. The pipe-line company also receives 50,000 cu. ft. of gas daily from a well in the Loudon field, which is producing from a basal Pennsylvanian sandstone.

The production of natural gas in the Salem field for 1942 is estimated at 23,700,000,000 cu. ft. At the end of the year the estimated daily production was 63,000,000 cu. ft. Of this amount 49,800,000 cu. ft. per day is processed by the four natural-gasoline plants in the field. The Texas Company returns approximately 5,000,000 cu. ft. of residue gas daily to the producing sands in its repressuring operations in the Salem field. Residue gas from the Warren Petroleum Company's plant is supplied to the cities of Salem, Centralia, and Mt. Vernon, Illinois. This consumption at the end of the year was approximately 800,000 cu. ft. per day.

Two new natural-gasoline plants were built in Illinois during 1942. The Warren Petroleum Corporation's plant at Crossville began operation in July and the Texas Company's plant near Hoodville began operation in December. A small amount of gas was returned to the producing sands of this field through several input wells during 1942, marking the beginning of a large-scale pressure-maintenance system there.

The Warren Petroleum Corporation's Crossville plant is in the New Harmo Consolidated field, White County. This field made an estimated 8,700,000,000 cu. ft. of gas during 1942. At the end of the year the estimated daily production was 21,000,000 cu. ft. Part of this was processed by the Crossville plant; an average of approximately 1,500,000 cu. ft. of residue gas was returned to the producing sands daily during the latter half of 1942. The estimated 100,000,000 cu. ft. of natural gas produced with the oil in the Albion pool, Edwards County, was marketed by brick-manufacturing plants at Albion, Ill., during the first quarter of 1942. The average production for the Albion field for 1942 was approximately 2,000,000 cu. feet.

New oil fields and further extension of the productive acreage of the older fields increased the production of natural gas accompanying oil production during 1942. The total gas production for 1942 for the fields discovered after January 1, 1937, is estimated at 84,400,000,000 cu. ft. A large part of this production is burned in flares.

#### NATURAL GASOLINE AND LIQUEFIED PETROLEUM GASES

Natural gasoline is produced in 40 plants in the old Southeastern field, with a total capacity of approximately 10,000 gal. daily; seven plants, including two in the Loudon field, one in the New Harmo Consolidated field and four in the Salem field, have a total capacity of approximately 280,000 gal. daily. According to the U. S. Bureau of Mines,\* 66,616,000 gal. of natural gasoline was produced in Illinois in 1942. In January, the amount was 5,582,000 and there was not much fluctuation from this figure throughout the year. The production of liquefied petroleum gases for 1942 amounted to 73,619,000 gal., according to the U. S. Bureau of Mines.

\* G. R. Hopkins, personal communication, February 1943.

In January the amount was 5,325,000 gal. and there was a steady increase to 7,680,000 for December.

### SECONDARY RECOVERY

The most important event in secondary recovery in Illinois in 1942 was the inauguration of two water-flooding projects by the Forest Producing Corporation, one in Cumberland County and one in Clark. This company brought to Illinois the wide experience gained in successful operations in Pennsylvania and Oklahoma. Water input began in July 1942 following the drilling of some 34 input wells and 20 oil wells. Later the Pure Oil Co. started three "circle" floods in the "McClosky" in the Clay City area, by converting former oil wells into water-input wells. The Adams Corners Oil Co. continued its successful flooding operations on the Biehl sand in the Allendale field. More than 50 water-input wells are being operated in the state. Two important flooding operations in the Patoka field (Marion County) and in the Colmar-Plymouth field (McDonough County), planned in 1942 were not started until 1943. These projects have aroused great interest among producers throughout the state and the results so far obtained encourage the hope that through this process many fields will have a new lease on life.

The practice of repressuring with gas, air, or a combination of the two, was somewhat extended over that of 1941, the principal companies reporting more than 500 input wells in operation. The skillfully engineered pressure-maintenance operation conducted by the Carter Oil Co. in the Loudon field was expanded by the addition of six new input wells. An operation was started at New Harmony covering a large part of the pool. The Warren Petroleum Co. erected a combined gasoline and repressuring plant near Crossville, extracting gasoline and liquefied petroleum gases by pressure and absorption from the casing-head gas. A large part of the residue gas

from this plant is being injected into the oil sands. These large operations at Loudon, Salem, and New Harmony are doing much to make use of the gas and to conserve the reservoir energy of their respective territories. Repressuring in the old field showed little change, except that new operations were planned which did not begin until 1943.

### LEGISLATION AND REGULATION

Federal Conservation Order M-68, which restricted drilling to one well to 40 acres in order to save steel, was in effect during the first eight months of 1942. Order M-68-5 superseded it Aug. 31 and was in effect for the last four months of the year. The latter permitted a well spacing of one well to 10 acres for wells producing from sandstone formations less than 2500 ft. deep and one well to 20 acres for wells producing from sandstone formations 2500 ft. deep or more. The spacing of one well to 40 acres for limestone formations was continued.

Rules and regulations for water-flooding of oil properties and rules and regulations relating to wells to be drilled for oil, gas, coal, or water, the plugging of wells, issuance of permits therefor, prevention of waste, etc., were issued by the Department of Mines and Minerals, Springfield, Ill. during 1942. The former were approved Feb. 20, 1942; the latter were adopted Aug. 26, 1942. The rules and regulations were issued pursuant to Section 6 of the Illinois Act entitled "An Act in Relation to the Conservation of the Oil, Gas, and Coal Resources in this State," which was effective July 29, 1941.

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## FOOTNOTES TO COLUMN HEADINGS—TABLE I

<sup>a</sup> All fields to be listed alphabetically for the district; or alphabetically by counties in alphabetical order.

<sup>b</sup> Areas where both oil and gas are produced, unless gas is marketed outside the field, are included in column headed "Oil." Manufacture of casinghead gasoline and carbon black is interpreted as outside marketing of gas.

<sup>c</sup> Wells producing both oil and gas are classified as "Producing Oil." Gas wells are those producing gas, but include those producing wet gas, from which casinghead gasoline may be produced.

<sup>d</sup> State by letters, as indicated, type of operation: PM, pressure maintenance from early life of field; RP, field repressuring in its later life; SR, repressuring operations of secondary recovery type.

<sup>e</sup> Cam, Cambrian; Ord, Ordovician; Sil, Silurian; Dev, Devonian; Mis, Mississippian; MisL, Lower Mississippian; MisU, Upper Mississippian; Pen, Pennsylvanian; Per, Permian; Tri, Triassic; Jur, Jurassic; CreL, Lower Cretaceous; CreU, Upper Cretaceous; Eoc, Eocene; Olig, Oligocene; Mio, Miocene; Pli, Pliocene.

<sup>f</sup> S, sandstone; H, shale; L, limestone; oolitic limestone; LS, limestone, sandy; chalk; A, anhydrite; D, dolomite; Da, ark dolomite; Gw, granite wash; P, serpentine; conglomerate.

<sup>g</sup> Figures are entered only for fields where the reservoir rock is of pore type. Figures represent ratio of pore space to total volume of reservoir rock expressed in per cent. "P" indicates that the reservoir rock is of pore type but said ratio is not known by the author. "Cav" indicates that the reservoir rock is cavernous type; "Fis," fissure type.

<sup>h</sup> A, anticline; AF, anticline with fault as important feature; Af, anticline with fault as minor feature; AM, accumulation due to both anticlinal and monoclinical structure; strata are horizontal or near horizontal; M, monocline-fault; MU, monocline-unconformity; ML, monocline-lens; MC, monocline v accumulation due to change in character of stratum; MI, monocline with accumulation against igneous barrier; MUP, monocline v accumulation due to sealing at outcrop; asphalt; D, dome; Ds, salt dome; T, terrace; TF, terrace with faulting as important feature; N, nose; S, syncline.