

NEW MEXICO

BUREAU OF MINES AND MINERAL RESOURCES

A Department of the School of Mines

E. C. ANDERSON

Director

Circular 14

OIL AND GAS PRODUCTION DATA, EDDY COUNTY, NEW MEXICO

1943 - 1945

Compiled by

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Socorro

1947

GENERAL STATEMENT

The most recent statistical summary of Eddy County oil and gas production, which was issued by the Lea County Operators Committee, covered the year 1942. The present report presents the production and engineering data for the years 1943, 1944, and 1945. A supplementary report, giving the figures for 1946, is being prepared.

The compilation of these figures is done as a service to the oil operators of New Mexico.

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Artesia,
New Mexico

W. B. MACEY
New Mexico Oil Conservation Commission

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EDDY COUNTY PRODUCTION BY POOLS, 1943-1945 (PIPE-LINE RUNS)

| NO. | POOL | * | 1943 | 1944 | 1945 | CUMULATIVE TO 1-1-46 |
|-------|------------------------------------|--------|---------|---------|---------|-------------------------|
| 1 | Anderson | G | 75648 | 52894 | 53548 | 621551 |
| 2 | Artesia | G | 116424 | 107959 | 159412 | 4702778 |
| 3 | Atoka | SA | 329 | 362 | 53 | 1282 |
| 4 | Barber | Y | 74208 | 54526 | 46652 | 400815 |
| 5 | Benson | Y | 13583 | 67033 | 36191 | 116807 |
| 6 | Black River (abandoned) | D | | | | 3649 |
| 7 | Burton | Y | | | | |
| 8 | Cave (abandoned) | G | | 265 | | 488 |
| 9 | Culwin | Q | 3987 | 2220 | 1494 | 10212 |
| 10 | Daugherty | SA | 1648 | 2255 | 1762 | 14989 |
| 11 | Dayton | G | 16853 | 18757 | 16178 | 108276 |
| 12 | Dayton, East | G | | | 242 | 242 |
| 13 | Empire | Q,G,SA | 76520 | 61831 | 72984 | 903161 |
| 14 | Fenton | D | 545 | 290 | 185 | 1020 |
| 15 | Fren | SR | 3889 | 130258 | 272439 | 406586 |
| 16 | Getty | Y | 75766 | 78960 | 67701 | 746990 |
| 17 | Grayburg-Jackson | SA | 1630797 | 1714850 | 1662095 | 16335070 |
| 18 | Hale (gas only) | T | | | | |
| 19 | Henshaw | SA | 158 | 476 | 731 | 3779 |
| 20 | High Lonesome | Q | 2347 | 1564 | 173 | 21824 |
| 21 | High Lonesome, South | G | 1069 | 1148 | 907 | 10098 |
| 22 | Leo | G | 19258 | 11691 | 12360 | 120774 |
| 23 | Loco Hills | G | 20422 | 29613 | 40787 | 135170 |
| 24 | Loco Hills Pressure Maintenance | G | 1361836 | 1079415 | 940971 | 9750945 |
| 25 | Lusk, West | Y | | | 1513 | 1513 |
| 26 | McMillan | SA | | | | 196 |
| 27 | Palmillo (abandoned) | G | | | | 206 |
| 28 | PCA | Y | 101317 | 58335 | 32374 | 348341 |
| 29 | Premier | G | 383307 | 401387 | 296915 | 1698852 |
| 30 | Red Lake | G | 50582 | 57714 | 135416 | 601410 |
| 31 | Robinson | G,SA | 31194 | 23722 | 27462 | 498287 |
| 32 | Russell | Y | 27722 | 45622 | 101073 | 179302 |
| 33 | Scanlon (gas only) | T | | | | |
| 34 | Shugart | Y,Q | 76706 | 70658 | 83723 | 419472 |
| 35 | Shugart, North | Q | 93836 | 69883 | 53898 | 688937 |
| 36 | Square Lake | G,SA | 1039903 | 1139015 | 992937 | 3525856 |
| 37 | Turkey Track | Q | 725 | 10634 | 24961 | 36320 |
| TOTAL | | | 5300399 | 5293292 | 5137137 | 42415198 |

*Principal producing formations, as follows:

D Delaware
 G Grayburg
 Q Queen
 SA San Andres
 SR Seven Rivers
 T Tansill
 Y Yates

ANDERSON POOL

LOCATION: T. 17 S., R. 29 E. S $\frac{1}{2}$ sec. 1, S $\frac{1}{2}$ sec. 2, SE $\frac{1}{4}$ sec. 3,
all secs. 11, 12, N $\frac{1}{2}$ sec. 13,
N $\frac{1}{2}$ sec. 14

T. 17 S., R. 30 E. SW $\frac{1}{2}$ sec. 6, N $\frac{1}{2}$ sec. 7.

DISCOVERY DATE: February 21, 1940.

DISCOVERY WELL: Mac T. Anderson No. 1 Root, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12-17-29.
T.D. 2563 in Grayburg lime. Initial potential,
flow 90 bbls. oil per day through 2" tubing.
Completed 2-21-40.

GRAVITY OF OIL: 36°. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 20'.

PRODUCING FORMATION: Grayburg, Permian.

AVERAGE PRODUCING DEPTH: 2500' to 2773'.

DEEPEST TEST: Morton & Elder No. 5 Root, sec. 7-17-30.

Drilled to 3475'; penetrated approximately 570'
of San Andres. P. & A. Top of Queen red sand,
2085'. (Lockhart No. 1 Root, outside of pool,
was drilled to 3763', penetrating 1058' of
San Andres.)

OIL WELLS, as of 1-1-46:

| | |
|----------|----|
| Flowing | 8 |
| Pumping | 19 |
| Gas lift | 0 |
| Shut in | 6 |

GAS WELLS: 0

ABANDONED WELLS: 4

TOTAL WELLS DRILLED: 37

| | | | |
|------------------------|---------------|---------------|---------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 30 | 25 | 26 |
| Yearly production | 75,648 | 52,894 | 53,548 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 515,109 bbls. | 568,003 bbls. | 621,551 bbls. |

GAS PRODUCTION: estimated, cumulative to 1-1-46, 398 million cu. ft.

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 1400 acres.

PER-ACRE RECOVERY to 1-1-46: 444 bbls.

GAS-OIL RATIO: estimated, as of 1-1-46, 2000/l.

Internal gas-drive type of reservoir.

SUBSURFACE COMPLETION DATA - ANDERSON POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|---------------------|------------------|------------------|---------|---------------|---------------------------|-------|------|--------------|------|------------|-------|--------|------|-------|
| | | | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| MACKENZIE DRLG. CO. | | | | | | | | | | | | | | |
| Root | 1 | L | 6-17-30 | 12-31-44 | F-65 | 3681 | 2780 | 2640 | 240q | 2665-2763 | 5 1/2 | 2500 | 2 | 2662 |
| " | 2 | M | " | 8-15-45 | P-60 | 3676 | 2809 | 2750 | 180q | 2700-2809 | 7 | 2475 | 2 | 2782 |

PRODUCTION DATA - ANDERSON POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE 1943 | | CUMULATIVE 1944 | | CUMULATIVE 1945 | | CUMULATIVE TO 1-1-46 |
|---|------------------|------------------|----------|-----------------|-------|-----------------|-------|-----------------|-------|-------------------------|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | |
| BARNSDALL OIL CO. | | | | | | | | | | |
| Dodd B | 1 | A | 14-17-29 | 23363 | 1322 | 24685 | 1348 | 26033 | 1037 | 27070 |
| " | 2 | H | " | 22535 | 5050 | 27585 | 3766 | 31351 | 2708 | 34059 |
| " | 4 | B | " | 16137 | 4096 | 20233 | 3294 | 23527 | 3429 | 26956 |
| " | 6 | C | " | 10892 | 3080 | 13972 | 2967 | 16939 | 3388 | 20327 |
| BREEDING, D. ET AL. | | | | | | | | | | |
| Root | 2 | E | 12-17-29 | 17123 | 3494 | 20617 | 929 | 21546 | | 21546 |
| " | 3 | D | " | 4579 | | 4579 | | 4579 | P&A | 4579 |
| EAST, C. L. | | | | | | | | | | |
| Root | 3 | N | " | 24530 | 2461 | 26991 | 2131 | 29122 | 3309 | 32431 |
| " | 6 | O | " | 19997 | 2915 | 22912 | 1729 | 24641 | 2773 | 27414 |
| HEGWER, C. T. | | | | | | | | | | |
| Root | 1 | B | " | 11052 | 1149 | 12201 | | 12201 | | 12201 |
| " | 2 | A | " | 4750 | 1147 | 5897 | | 5897 | | 5897 |
| KEY, GEO. D. | | | | | | | | | | |
| Dodd E | 1 | P | 11-17-29 | 12068 | 1242 | 13310 | 1780 | 15090 | 946 | 16036 |
| " | 2* | I | " | 23354 | 2416 | 25770 | 5891 | 31661 | 4396 | 36057 |
| MACKENZIE DRLG. CO. | | | | | | | | | | |
| Root | 1 | L | 6-17-30 | | | | | | 5155 | 5155 |
| " | 2 | M | " | | | | | | 3131 | 3131 |
| MACY-TALMADGE-COWELL, CARL FOLKNER, TRUSTEE | | | | | | | | | | |
| State | 2 | O | 2-17-29 | 12650 | 2570 | 15220 | 2231 | 17451 | 1130 | 18581 |

*Formerly C. B. Buck

PRODUCTION DATA - ANDERSON POOL - continued

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| RANDER, O. H. (Formerly Mac T. Anderson) | | | | | | | | | | |
| Root | 1 | M | 12-17-29 | 23914 | 1203 | 25117 | 190 | 25307 | 689 | 25996 |
| " | 2 | L | " | 27303 | 985 | 28288 | | 28288 | 218 | 28506 |
| " | 5 | P | 1-17-29 | 10251 | 4025 | 14276 | 3101 | 17377 | 2858 | 20235 |
| " | 14 | I | 12-17-29 | 15384 | 1119 | 16503 | | 16503 | | 16503 |
| " | 15 | K | " | 8307 | 1088 | 9395 | | 9395 | 1272 | 10667 |
| SAIKIN, DAVID C. (Formerly Elder & Breeding) | | | | | | | | | | |
| Root A | 1 | I | 12-17-29 | 20177 | 2492 | 22669 | 1078 | 23747 | 1414 | 25161 |
| " | 2 | E | 7-17-23 | 13840 | 2360 | 16200 | 1040 | 17240 | 1098 | 18338 |
| " | 6 | H | 12-17-29 | 5986 | 2360 | 8346 | 972 | 9318 | 465 | 9783 |
| " B | 5 | G | " | 20447 | 974 | 21421 | 662 | 22083 | | 22083 |
| " | 9 | C | " | 13717 | 1347 | 15064 | 1153 | 16217 | 703 | 16920 |
| " | 1 | F | " | 17330 | 3262 | 20592 | 928 | 21520 | 207 | 21727 |
| SHUMAKER & BROWN | | | | | | | | | | |
| Root | 1 | O | 1-17-29 | 3623 | 1133 | 4756 | 729 | 5485 | 995 | 6480 |
| TALMADGE-COWELL | | | | | | | | | | |
| State | 1 | I | 2-17-29 | 686 | P&A | 686 | | 686 | | 686 |
| " | 2 | J | " | 2657 | | 2657 | | 2657 | | 2657 |
| SMITH, LEMON & MACKENZIE (Formerly Morton & Elder) | | | | | | | | | | |
| Root | 2 | F | 7-17-30 | 14849 | 7515 | 22364 | 6489 | 28853 | 4799 | 33652 |
| " | 3 | G | " | 9869 | 5383 | 15252 | 3606 | 18858 | 2592 | 21450 |
| " | 4 | C | " | 6614 | 3505 | 10119 | 1785 | 11904 | 1611 | 13515 |
| STOUT, G. KELLY (Formerly Stout & Waddell) | | | | | | | | | | |
| State | 1 | N | 3-17-29 | 839 | 616 | 1455 | 426 | 1881 | 243 | 2124 |
| WESTERN PRODUCTION CO. | | | | | | | | | | |
| Keeley C | 2 | D | 13-17-29 | 13201 | 2675 | 15876 | 2327 | 18203 | 1495 | 19698 |
| " | 3 | B | " | 7437 | 2664 | 10101 | 2342 | 12443 | 1487 | 13930 |
| FIELD TOTAL | | | | 439461 | 75648 | 515109 | 52894 | 568003 | 53548 | 621551 |

7

ARTESIA POOL

LOCATION: T. 17 S., R. 28 E. S $\frac{1}{2}$ sec. 32, S $\frac{1}{2}$ sec. 33, S $\frac{1}{2}$ sec. 34,
SW $\frac{1}{4}$ sec. 35
T. 18 S., R. 27 E. SE $\frac{1}{4}$ sec. 1, SE $\frac{1}{4}$ sec. 11, all secs.
12, 13, E $\frac{1}{2}$ sec. 14, NE $\frac{1}{4}$ sec. 23,
E $\frac{1}{2}$, NW $\frac{1}{4}$ sec. 24, E $\frac{1}{2}$ sec. 25, E $\frac{1}{2}$
sec. 36
T. 18 S., R. 28 E. W $\frac{1}{2}$ sec. 2, all secs. 3, 4, 5, E $\frac{1}{2}$,
SW $\frac{1}{4}$ sec. 6, all secs. 7, 8, 9,
10, W $\frac{1}{2}$ sec. 11, all secs. 15 to
22, incl. and 27 to 34, incl.
T. 19 S., R. 28 E. All secs. 3, 4, 5, N $\frac{1}{2}$ sec. 6,
NE $\frac{1}{4}$ sec. 9, all sec. 10.

DISCOVERY DATE: August 1923.

DISCOVERY WELL: Flynn, Welch & Yates No. 1 State, NE $\frac{1}{4}$ sec. 31-18-28.
T.D. 1930 in Grayburg lime. Initial potential,
1500 MCF gas per day. Completed August 1923.

GRAVITY OF OIL: 32° to 37°. SULFUR: 0.85% to 1.02%.

AVERAGE THICKNESS OF PAY ZONE: 35' to 135'.

PRODUCING FORMATION: Grayburg, Permian.

AVERAGE PRODUCING DEPTH: 1825' to 2075'.

DEEPEST TEST: Crumley No. 1 Levers-State, sec. 34-17-28.

T.D. 3383'. P. & A. Elevation 3663'.

Top of Queen red sand, 1320'.

Completed 6-24-40.

OIL WELLS, as of 1-1-46:

| | |
|----------|-----|
| Flowing | 13 |
| Pumping | 137 |
| Gas lift | 0 |
| Shut in | 2 |

GAS WELLS:

| | |
|-----------|---|
| Input | 2 |
| Producing | 0 |
| Shut in | 3 |

DRY AND ABANDONED WELLS: 67

ABANDONED PRODUCERS: 64

TOTAL WELLS DRILLED: 288

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|-------------|-------------|-------------|
| No. of producing wells | 140 | 136 | 150 |
| Yearly production | 116,424 | 107,959 | 159,412 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |

435,407 bbls. 4,543,366 bbls. 4,702,778 bbls.

GAS PRODUCTION: estimated, cumulative to 1-1-46, 16,775 million cu. ft.

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 4320 acres.

PER-ACRE RECOVERY to 1-1-46: 1085 bbls.

GAS-OIL RATIO: estimated, as of 1-1-46, 1250/1.

Internal gas-drive type of reservoir.

SUBSURFACE COMPLETION DATA - ARTESIA POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH | |
|------------------------|-------------|------------------|----------|---------------|-----------------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|--|
| CHOATE & DAVIS | | | | | | | | | | | | |
| State | 1 | J | 14-18-27 | 9-11-45 | P&A | 3499 | 1940 | | 330q 1752-1853 | | | |
| " | 2 | J | 13-18-27 | 12-9-45 | P-40 | 3595 | 2100 | 2025 | 300q 2027-90 | 7 | 1850 2 2090 | |
| FLYNN, WELCH & YATES | | | | | | | | | | | | |
| State | 80 | H | 4-19-28 | 11-11-45 | P&A | 3529 | 2915 | | | | | |
| Powell-State | 1 | M | 14-18-27 | 11-19-45 | P&A | 3446 | 1800 | | 90q 1632-72 | | | |
| JONES, STANLEY | | | | | | | | | | | | |
| State | 1 | A | " | 10-31-44 | F-64 | 3536 | 2060 | 1833 | 330q 1770-1850 | 8 5/8 | 962 2 1800 | |
| JONES & McKee | | | | | | | | | | | | |
| Magruder | 1 | L | 12-18-27 | | Temp.) Abnd.) | 3591 | 594 | | 2000g | | | |
| " | 2 | M | " | 3-27-45 | P&A | 3555 | 2510 | | 290q 1788-1880 | | | |
| MILLER, MILLER & YATES | | | | | | | | | | | | |
| State | 1A | N | 13-18-27 | 7-5-45 | F-75 | 3567 | 2009 | 1950 | | 7 | 1875 2 1862 | |
| PAGE, HENRY | | | | | | | | | | | | |
| Jones-State | 2 | A | 23-18-27 | 12-1-45 | F-75 | 3514 | 1907 | 1818 | 180q 1825-75 | 7 | 1752 2 1811 | |
| State | 1 | | " | 10-25-45 | F-225 | 3499 | 1874 | 1825 | | 6 5/8 | 1740 2 1778 | |
| RESLER, DALE | | | | | | | | | | | | |
| Jones | 1 | F | 13-18-27 | 4-13-45 | P&A | 3526 | 2000 | | | | | |
| " | 2 | F | " | 8-8-45 | P&A | 3530 | 1956 | | | | | |
| State-Jones | 1 | E | " | 3-9-45 | P&A | 3553 | 2353 | | 280q 1881-1952 | | | |
| " | 2 | H | 14-18-27 | 3-30-45 | F-155 | 3536 | 1872 | 1788 | 70q 1790-1808 | | 2 1760 | |
| " | 3 | L | 13-18-27 | 4-18-45 | F-80 | 3515 | 1927 | 1865 | 240q 1852-1913 | 7 | 1800 2 1850 | |
| " | 4 | I | 14-18-27 | 5-10-45 | F-240 | 3493 | 1853 | 1802 | 100q 1799-1830 | 7 | 1725 2 1732 | |
| " | 5 | O | " | 6-29-45 | F-300 | 3485 | 1835 | 1790 | 110q 1789-1822 | 7 | 1670 2 1760 | |
| State | 1 | G | " | 7-29-45 | P&A | 3519 | 2575 | | | | | |
| " | 2 | D | 13-18-27 | 1-25-45 | F-75 | 3565 | 1950 | 1892 | 70q 1887-1907 | 7 | 1760 2 1860 | |
| " | 3 | C | " | 3-5-45 | P&A | 3567 | 2047 | | | | | |
| " | 4 | P | 14-18-27 | 6-4-45 | F-376 | 3493 | 1883 | 1836 | 130q 1827-67 | 7 | 1732 2 1770 | |
| " | 5 | M | 13-18-27 | 6-30-45 | F-50 | 3522 | 2054 | 1845 | 80q 1977-89 | 7 | 1725 2 1838 | |
| STALEY OIL CO. | | | | | | | | | | | | |
| State | 1 | L | 31-18-28 | 12-5-43 | P&A | 3547 | 2041 | | | | | |
| TAYLOR, ET AL. | | | | | | | | | | | | |
| Shaw | 1 | K | 13-18-27 | 3-5-45 | F-155 | 3529 | 1975 | 1902 | 80q 1902-26 | 7 | 1826 2 1894 | |
| VALLEY REFINING CO. | | | | | | | | | | | | |
| Hill | 1 | N | 1-18-27 | 12-20-43 | P&A | 3629 | 2404 | | | | | |
| " | 2 | K | " | 1-23-44 | P&A | 3661 | 529 | | | | | |

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PRODUCTION DATA - ARTESIA POOL

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---------------------------------|--------|-------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| AMERICAN REPUBLICS CORP. | | | | | | | | | | |
| Lavers-State | 1 | J | 4-18-28 | 35050 | 703 | 35753 | 575 | 36328 | 1045 | 37373 |
| " | 2 | O | " | 35046 | 702 | 35748 | 574 | 36322 | 844 | 37166 |
| " | 3 | P | " | 35042 | 700 | 35742 | 567 | 36309 | 843 | 37152 |
| " | 4 | I | " | 35010 | 698 | 35708 | 575 | 36283 | 846 | 37129 |
| Yates-State | 1 | K | 33-17-28 | 40742 | 4485 | 45227 | 4470 | 49697 | 2940 | 52637 |
| " | 2 | O | " | 36246 | 1538 | 37784 | 1516 | 39300 | 1440 | 40740 |
| " | 3 | P | " | 7924 | 1769 | 9693 | 1535 | 11228 | 1235 | 12463 |
| " | 4 | J | " | 3165 | 1768 | 4933 | 1537 | 6470 | 1493 | 7963 |
| ANCO OIL CO. | | | | | | | | | | |
| Crumley-Lavers State | 2 | M | 34-17-28 | 4270 | 1390 | 5660 | 1471 | 7131 | 422 | 7553 |
| BROWN, EVA | | | | | | | | | | |
| T. Allen | 1,2) | | | | | | | | | |
| " | 3,4) | J | 28-18-28) | | 4372) | | 3929) | | 3839) | |
| " | 5,6 | I | ") | | 2194) | | 1966) | | 1921) | |
| " | 7,8 | O | ") | 299598 | 2199) | 308363 | 1968) | 316226 | 1922) | 323908 |
| CHOATE & DAVIS | | | | | | | | | | |
| State | 2 | J | 13-18-27 | | | | | | 153 | 153 |
| EASTLAND OIL CO. | | | | | | | | | | |
| Twin Lakes | 1,2 | M | 28-18-28) | | 1086) | | 912) | | 951) | |
| " | 3 | B | ") | | 543) | | 456) | | 429) | |
| " | 4 | P | ") | | 1015) | | 826) | | 807) | |
| " | 5 | G | ") | 47924 | 189) | 50757 | 193) | 53144 | 127) | 55458 |
| FLYNN, WELCH & YATES | | | | | | | | | | |
| Dunn | 1 | F | 10-18-28) | | 335) | |) | |) | |
| " | 2 | E | 11-18-28) | | 348) | |) | |) | |
| Keyes-State | 1 | A | 21-18-28) | | 467) | | 456) | | 466) | |
| " | 2 | B | ") | | 455) | | 509) | | 464) | |
| " | 3 | C | ") | | 455) | | 480) | | 465) | |
| " | 4 | H | ") | | 455) | | 477) | | 467) | |
| Simpson | 1 | N | ") | | 1087) | | 1068) | | 991) | |
| State 647 | 42,50 | L | 3-18-28) | | 1110) | | 1080) | | 1027) | |
| " | 33,38 | M | ") | | 1109) | | 1080) | | 1026) | |
| " | 31 | F | 21-18-28) | | 505) | | 540) | | 512) | |
| " | 25,30 | I | ") | | 1019) | | 1107) | | 1030) | |

PRODUCTION DATA - ARTESIA POOL - continued

| COMPANY LEASE | " E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------------|------------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| FLYNN, WELCH & YATES - continued | | | | | | | | | | |
| State 647 | 21,23) | | | | | | | | | |
| " | 39,46) | O | 21-18-28) | | 5488) | | 5536) | | 4997) | |
| " | 24,47 | P | ") | | 2748) | | 2748) | | 2500) | |
| " | 68,70,74 | E | 27-18-28) | | 4122) | | 3800) | | 3761) | |
| " | 52,53 | A | 28-18-28) | | 2748) | | 2768) | | 2502) | |
| " | 13,51 | B | ") | | 2795) | | 2860) | | 2525) | |
| " | 14,17,18 | G | ") | | 4113) | | 4152) | | 3747) | |
| " | 32,43 | I | ") | | 2748) | | 2768) | | 2501) | |
| " | 49 | G | 29-18-28) | | 793) | | 743) | | 675) | |
| " | 15,29 | H | ") | | 1577) | | 1488) | | 1337) | |
| " | 76 | J | ") | | 795) | | 800) | | 675) | |
| " | 54 | O | ") | | 794) | | 743) | | 673) | |
| " | 8,12) | | | | | | | | | |
| " | 48,58) | P | ") | | 3217) | | 3082) | | 2681) | |
| " | 65,66 | P | 30-18-28) | | 948) | | 786) | | 630) | |
| " | 20,28 | A | 32-18-28) | | 1586) | | 1550) | | 1344) | |
| " | 55 | B | ") | | 795) | | 793) | | 675) | |
| " | 4,9 | C | ") | | 943) | | 788) | | 623) | |
| " | 3,5) | | | | | | | | | |
| " | 6,7) | D | ") | | 1896) | | 1555) | | 1237) | |
| " | 59* | G | 5-18-28) | | 474) | | 378) | | 313) | |
| " | 648 71,72,73 | B | 10-19-28) | | 3702) | | 3600) | | 2801) | |
| " | 64 | C | ") | | 1234) | | 1017) | | 932) | |
| " | 63 | F | ") | | 1234) | | 1017) | | 932) | |
| " | 62 | J | ") | 1772469 | 1260) | 1825824 | 1048) | 1876041 | 936) | 1921486 |
| FLYNN, WELCH & YATES & 3 SANDS OIL CO. | | | | | | | | | | |
| State | 9,11) | | | | | | | | | |
| " | 12,15) | C | 28-19-28) | | 1612) | | 1564) | | 1006) | |
| " | 16 | D | ") | | 404) | | 400) | | 252) | |
| " | 6 | E | ") | | 403) | | 370) | | 250) | |
| " | 1,2,4 | F | ") | 464155 | 1231) | 467805 | 1152) | 471291 | 754) | 473553 |
| HOVER, A. H. (Formerly Earl Ployhar) | | | | | | | | | | |
| State | 1 | D | 3-18-28 | 9574 | 1130 | 10704 | 1046 | 11750 | 2249 | 13999 |
| LAIN & HOWARD | | | | | | | | | | |
| Etz | 1 | D | 22-18-27 | 2084 | | 2084 | | 2084 | | 2084 |

*Well was completed as dry hole, but is credited with oil production as shown.

PRODUCTION DATA - ARTESIA POOL - continued

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------------|-------------|------------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| JONES, STANLEY | | | | | | | | | | |
| State | 1 | A | 14-18-27 | | | | 913 | 913 | 6805 | 7718 |
| LEVERS & CARPER | | | | | | | | | | |
| State | 1,6 | E | 3-18-28) | | 1148) | | 831) | | 1104) | |
| " | 2,3 | K | ") | | 974) | | 801) | | 920) | |
| " | 4 | C | ") | | 447) | | 75) | | 449) | |
| " | 5 | F | ") | 125942 | 546) | 129057 |) | 130764 | 152) | 133389 |
| LONG, BEN & PRISCILLA | | | | | | | | | | |
| Williams-State | 1,2) | | | | | | | | | |
| " | 3,4) | O | 17-18-28) | | 2265) | | 1615) | | 1100) | |
| " | 5 | P | ") | 113171 | 562) | 115998 | 399) | 118012 | 279) | 119391 |
| MILLER, MILLER & YATES | | | | | | | | | | |
| State A | 1 | N | 13-18-27 | | | | | | 4908 | 4908 |
| McGONAGILL | | | | | | | | | | |
| Daugherty-State | 1 | A | 4-18-28 | 941 | 243 | 1184 | | 1184 | | 1184 |
| PAGE, HENRY | | | | | | | | | | |
| Jones | 1 | B | 23-18-27 | | | | | | 3248 | 3248 |
| " | 2 | A | " | | | | | | 495 | 495 |
| PICHER OIL & GAS | | | | | | | | | | |
| Cronin | 1,2,3 | P | 12-18-27 | 17775 | | 17775 | | 17775 | | 17775 |
| RESLER, DALE | | | | | | | | | | |
| Jones-State | 2 | H | 14-18-27 | | | | | | 4351 | 4351 |
| " | 3 | L | " | | | | | | 7522 | 7522 |
| " | 4 | I | " | | | | | | 5949 | 5949 |
| " | 5 | O | " | | | | | | 5479 | 5479 |
| State | 2 | D | 13-18-27 | | | | | | 3257 | 3257 |
| " | 4 | P | 14-18-27 | | | | | | 5257 | 5257 |
| " | 5 | M | 13-18-27 | | | | | | 4283 | 4283 |
| ROTARY OIL CO. | | | | | | | | | | |
| State | 1 | B | 30-18-28 | 48282 | 2273 | 50555 | 2297 | 52852 | 2092 | 54944 |
| ROYAL DUKE OIL CO. | | | | | | | | | | |
| State | 1,3 | G | 29-18-28 | 8630 | 590 | 9220 | | 9220 | 568 | 9788 |
| RUDCO OIL & GAS CO. | | | | | | | | | | |
| McNutt | 2,3,4) | K | 21-18-28) | | 1349) | | 1644) | | 1346) | |
| " | 6,7) | L | ") | | 1029) | | 1048) | | 856) | |
| Yates-State | 1,3 | D | 33-18-28) | | 2961) | | 3346) | | 2703) | |
| " | 2,4 | C | ") | 598750 | 1541) | 605630 | 1293) | 612961 | 1046) | 618912 |

PRODUCTION DATA -- ARTESIA POOL -- continued

| COMPANY LEASE | W L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|-------------|------------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| SOLT, WALTER | | | | | | | | | | |
| Daugherty | 1 | E | 4-18-28) | | 517) | | 425) | | 375) | |
| New State | 1 | D | ") | | 2232) | | 981) | | 845) | |
| " | 2 | A | 5-18-28) | | 79) | | 985) | | 861) | |
| " | 3,6 | M | 4-18-28) | | 743) | | 701) | | 718) | |
| " B | 1 | B | 8-18-28) | | 565) | | 549) | | 517) | |
| " | 5 | O | 4-18-28) | | 431) | | 354) | | 362) | |
| " | 7,8,10 | N | ") | | 1109) | | 1057) | | 1078) | |
| " | 11,12 | I | 5-18-28) | | 739) | | 703) | | 717) | |
| State A | 1,2 | B | 4-18-28) | | 2240) | | 1945) | | 1795) | |
| State C.J.W. | 1,2 | L | 17-18-28) | | 1592) | | 1561) | | 1319) | |
| State-Marion | 1 | H | 5-18-28) | 249036 | 514) | 259797 | 426) | 269484 | 373) | 278444 |
| TAYLOR, ET AL. | | | | | | | | | | |
| Shaw | 1 | K | 13-18-27 | | | | | | 9755 | 9755 |
| THREE SANDS OIL CO. | | | | | | | | | | |
| State | 3,4,5 | K | 17-18-28) | | 2020) | | 1973) | | 1765) | |
| " | 6,7 | J | 17-18-27) | 131866 | 1335) | 135221 | 1301) | 138495 | 1184) | 141444 |
| WELCH, MARION C. (Formerly R. A. Chase) | | | | | | | | | | |
| State | 2,3 | H | 21-18-28) | | 1167) | | 1211) | | 944) | |
| " | 4,7,8 | J | ") | 196291 | 1727) | 199185 | 1706) | 202102 | 1422) | 204468 |
| FIELD TOTAL | | | | 4318983 | 116424 | 4435407 | 107959 | 4543366 | 159412 | 4702778 |

ATOKA POOL

LOCATION: T. 18 S., R. 26 E. E $\frac{1}{2}$ sec. 15.

DISCOVERY DATE: March 30, 1941.

DISCOVERY WELL: Jones and Yates No. 1 Everest, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15-18-26.
T.D. 1984 in San Andres lime. Top pay, 1485'.
Initial potential, 10 bbls. oil per day pumping.
The well was treated with 2000 gallons acid, shot
with 275 and 670 quarts in two shots.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: Upper San Andres, Permian.

AVERAGE PRODUCING DEPTH: 1710'.

DEEPEST TEST: Rhen et al. No. 1 Winens, NE $\frac{1}{4}$ sec. 15-18-26.

T.D. 2350' in San Andres. P. & A. (Stanolind No. 1
Terry, outside of pool, sec. 15-18-26, drilled to
3650', dry and abandoned. Top of San Andres, 1154';
Top of Glorieta, 2253'.)

OIL WELLS, as of 1-1-46:

| | |
|---------|---|
| Flowing | 0 |
| Pumping | 1 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS: 6

TOTAL WELLS DRILLED: 7

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|------------------------|-------------------------|-------------------------|
| No. of producing wells | 1 | 1 | 1 |
| Yearly production | 329 | 362 | 53 |
| Cumulative production | to 1-1-44 869 bbls. | to 1-1-45 1229 bbls. | to 1-1-46 1282 bbls. |

GAS PRODUCTION: small (none reported).

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-46: 32 bbls.

Internal gas-drive type of reservoir.

PRODUCTION DATA - ATOKA POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| JONES & YATES Everest | 1 | I | 15-18-26 | 538 | 329 | 867 | 362 | 1229 | 53 | 1282 |
| FIELD TOTAL | | | | 538 | 329 | 867 | 362 | 1229 | 53 | 1282 |

BARBER POOL

LOCATION: T. 20 S., R. 30 E. S $\frac{1}{2}$ sec. 17, all sec. 20.
DISCOVERY DATE: February 1937.
DISCOVERY WELL: Neil H. Wills No. 1 Colglazier, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20-20-30.
T.D. 1443. Initial production, 132 bbls. oil per day from limestone in Yates formation. Top Salado, 402'; Base Salado, 1062'; Top Yates, 1225'.
Elevation 3210'.
GRAVITY OF OIL: 20.5° API.
AVERAGE THICKNESS OF PAY ZONE: 90'.
PRODUCING FORMATION: Limestone of Yates.
AVERAGE PRODUCING DEPTH: 1410' to 1600'.
DEEPEST TEST: Neil H. Wills No. 2 Hale, sec. 12-20-30.
T.D. 1860'. D. & A. (For deepest test in area see Getty Dooley No. 7 in Getty Pool.)

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 9 |
| Gas lift | 0 |
| Shut in | 4 |

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 13

| | | | |
|------------------------|---------------|---------------|---------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 11 | 12 | 11 |
| Yearly production | 74,208 | 54,526 | 46,652 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 299,637 bbls. | 354,163 bbls. | 400,815 bbls. |

GAS PRODUCTION: small (none reported).

WATER PRODUCTION: none reported. However, the wells do produce water.

AREA OF PROVEN PRODUCTION: 520 acres.

PER-ACRE RECOVERY to 1-1-46: 770 bbls.

Ineffective water-drive type of reservoir.

SUBSURFACE COMPLETION DATA - BARBER POOL

| COMPANY LEASE | W U | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH | |
|---|-------------------|----------|---------------|-----------------------------------|-------|------|------|--------------|-----------|--------------------------|----------------------|--------|
| | E N L I L T | | | | | | | AMT. | INTERVAL | | SIZE | DEPTH |
| EASTHAM, HARRIS G. JR. (Formerly Hargraves & Eastham) | | | | | | | | | | | | |
| Colglazier | 1 J | 20-20-30 | 8-1-43 | P-56 | 3248 | 1600 | 1562 | 1000g | 1502-1600 | 7 | 1502 | 2 1600 |
| DENAN, WILLIAMS-HOVER | | | | | | | | | | | | |
| Hover-State | 1 A | 29-20-30 | 8-24-43 | P&A | 3366 | 1802 | | | | | | |

PRODUCTION DATA - BARBER POOL

| COMPANY LEASE | W U | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---|-------------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | E N L I L T | | | | | | | | |
| EASTHAM, HARRIS G. JR. (Formerly Hargraves & Eastham) | | | | | | | | | |
| Colglazier | 1 J | 20-20-30 | | | 2432 | 2432 | 4933 | 7365 | |
| WILLS, NEIL H. | | | | | | | | | |
| Colglazier | 1 B | ") | | 13141) | | 10522) | | 7343) | |
| " | 2 G | ") | | 5177) | | 2740) | | 4306) | |
| Morris-Hoover | 1 E | ") | |) | |) | |) | |
| " State | 1 D | ") | | 870) | | 374) | |) | |
| " State A | 1 O | 17-20-30) | | 11819) | | 9848) | | 5462) | |
| " | 3 N | 20-20-30) | | 1645) | | 362) | | 595) | |
| Stovall-Wood | 1 C | ") | | 23566) | | 19241) | | 17315) | |
| " | 2 F | ") | 205471 | 7900) | 269589 | 3448) | 316124 | 5192) | 356337 |
| Morris-Hoover | 2 L | ") | 5989 | 1583 | 7572 | 1298 | 8870 | 914 | 9784 |
| " State | 2 N | 17-20-30 | 856 | 2161 | 3017 | 3289 | 6306 | 1632 | 7938 |
| " State A | 4 J | ") | 6503 | 5189 | 11692 | 2273 | 13965 | 3068 | 17033 |
| " State B | 1 K | 20-20-30 | 6610 | 1157 | 7767 | 1131 | 8898 | 825 | 9723 |
| FIELD TOTAL | | | 225429 | 74208 | 299637 | 54526 | 354163 | 46652 | 400815 |

BENSON POOL

LOCATION: T. 19 S., R. 30 E. All sec. 16.

DISCOVERY DATE: July 1943.

DISCOVERY WELL: Harvey Yates No. 1 Snowden-McSweeney, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16-19-30.
T.D. 1836'. Top pay, 1828'. Initial production,
pump 120 bbls. oil per day and 432 bbls. water per
day from upper Seven Rivers formation. Base Salado,
1325'; Top Yates, 1520'. Elevation 3325'.

AVERAGE THICKNESS OF PAY ZONE: 32'.

PRODUCING FORMATION: Limestone of upper Seven Rivers.

AVERAGE PRODUCING DEPTH: 1725' to 1900'.

DEEPEST TEST: Harvey E. Yates No. 1 Foard, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 10-19-30
(adjoining pool). T.D. 2988'. P. & A. in San
Andres formation. Elevation 3371'.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 5 |
| Gas lift | 0 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS: 5

TOTAL WELLS DRILLED: 10

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|--------------|--------------|---------------|
| No. of producing wells | 3 | 3 | 5 |
| Yearly production | 13,583 | 67,033 | 36,191 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 13,583 bbls. | 80,616 bbls. | 116,807 bbls. |

GAS PRODUCTION: small (none reported).

WATER PRODUCTION: some water produced. Accurate figures are not available.

AREA OF PROVEN PRODUCTION: 200 acres.

PER-ACRE RECOVERY to 1-1-46: 584 bbls..

Combination drive type of reservoir.

SUBSURFACE COMPLETION DATA - BENSON POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING | |
|-------------------|------------------|------------------|----------|---------------|---------------------------|-------|------|-------------------------------|------------------------------------|--------|-------------|
| | | | | | TEST | ELEV. | T.D. | | | T.P. | SIZE |
| YATES, ESTELLE H. | | | | | | | | | | | |
| Lane | 1 | C | 21-19-30 | 12-31-43 | P&A | 3327 | 1950 | | | | |
| YATES, HARVEY E. | | | | | | | | | | | |
| Foard | 1 | M | 10-19-30 | 12-31-43 | P&A | 3371 | 2988 | 7 | 2665 | | |
| Snowden- | | | | | | | | | | | |
| McSweeney | 1 | F | 16-19-30 | 7-20-43 | P-120 | 3325 | 1836 | 1828 | 7 | 1726 | 3 1725 |
| " | 2 | J | " | 11-1-43 | P-150 | 3379 | 1900 | 1888 | 7 | 1751 | 2 1/2 1300 |
| " | 3 | I | " | 3-20-45 | P-100 | 3342 | 1856 | 1845 | 7 | 1843 | 2 1853 |
| State | 1 | B | " | 8-30-43 | P&A | 3367 | 1960 | | | | |
| " | 2 | G | " | 10-6-43 | F-100 | 3352 | 1760 | 1728 | 6 5/8 | 1350 | 2 1470 |
| " | 3 | K | " | 10-30-43 | P&A | 3365 | 1904 | | | | |
| Whalen-State | 1 | H | " | 12-31-44 | P-30 | 3354 | 1872 | 1845 | 4000g 1839-1872) 60q 1845-1870) | 7 | 1839 2 1860 |
| YATES-STROUP | | | | | | | | | | | |
| State | 1 | E | " | 1-10-44 | P&A | 3351 | 2012 | | | | |

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PRODUCTION DATA - BENSON POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE 1943 | | | CUMULATIVE 1944 | | | CUMULATIVE 1945 | | |
|-------------------|------------------|------------------|----------|-----------------|-------|-------|-----------------|-------|--------|-----------------|-------|--|
| | | | | TO 1-1-43 | PROD. | | TO 1-1-44 | PROD. | | TO 1-1-45 | PROD. | |
| YATES, HARVEY E. | | | | | | | | | | | | |
| Snowden-McSweeney | 1 | F | 16-19-30 | 8223 | 8223 | 19626 | 27849 | 9691 | 37540 | | | |
| " | 2 | J | " | 4487 | 4487 | 25357 | 29844 | 9696 | 39540 | | | |
| " | 3 | I | " | | | | | 4427 | 4427 | | | |
| State | 2 | G | " | 873 | 873 | 22050 | 22923 | 11812 | 34735 | | | |
| Whalen-State | 1 | H | " | | | | | 565 | 565 | | | |
| FIELD TOTAL | | | | 13583 | 13583 | 67033 | 80616 | 36191 | 116807 | | | |

BLACK RIVER POOL

LOCATION: T. 24 S., R. 26 E. NW $\frac{1}{4}$ sec. 13, NE $\frac{1}{4}$ sec. 14.
DISCOVERY DATE: 1937.
DISCOVERY WELL: T. D. Collins No. 1 Weiler, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 13-24-26.
T.D. 1969' in Delaware. Initial potential,
15 bbls. oil plus 20% water per day.
GRAVITY OF OIL: 39.5° API.
AVERAGE THICKNESS OF PAY ZONE: 10'.
PRODUCING FORMATION: Delaware.
AVERAGE PRODUCING DEPTH: 1940' to 1970'.
DEEPEST TEST: Grishum No. 1 Chaytor, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14-24-26.
T.D. 2320'. PB and completed for 10 bbls.
oil per day.
OIL WELLS, as of 1-1-46: 0
GAS WELLS: 0
ABANDONED WELLS: $\frac{2}{2}$
TOTAL WELLS DRILLED: 2
OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|--------------------------|--------------------------|--------------------------|
| No. of producing wells | 0 | 0 | 0 |
| Yearly production | 0 | 0 | 0 |
| Cumulative production | to 1-1-44 3,649 bbls. | to 1-1-45 3,649 bbls. | to 1-1-46 3,649 bbls. |

GAS PRODUCTION: none reported.
WATER PRODUCTION: small (none reported).
AREA OF PROVEN PRODUCTION: 80 acres.
PER-ACRE RECOVERY to 1-1-46: 45 bbls.

NOTE: Pool has been abandoned.

PRODUCTION DATA - BLACK RIVER POOL

| COMPANY LEASE | W L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|----------------------------|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| COLLINS, T. D. Weiler | 1 | D | 13-24-26 | 2922 | | 2922 | | 2922 | | 2922 |
| GRISHUM-CHAYTOR Chaytor | 1 | A | 14-24-26 | 727 | | 727 | | 727 | | 727 |
| FIELD TOTAL | | | | 3649 | | 3649 | | 3649 | | 3649 |

BURTON POOL

LOCATION: T. 20 S., R. 29 E. N $\frac{1}{2}$ sec. 8.

DISCOVERY DATE: July 1934.

DISCOVERY WELL: Getty, Inc. No. 2 Cook and Ironsides, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 8-20-29. T.D. 1597'. PB 1160'. Initial potential, swabbed 26 bbls. oil per day from Yates sand. Top pay, 1105'; Top Salado, 480'; Base Salado, 800'; Top Yates, 975'. Elevation 3276'.

GRAVITY OF OIL: 27° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Yates sand and dolomite.

AVERAGE PRODUCING DEPTH: 1160'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-46:

| | |
|----------------------|---|
| Flowing | 0 |
| Pumping | 0 |
| Gas lift | 0 |
| Shut in | 1 |
| GAS WELLS: | 0 |
| ABANDONED WELLS: | 1 |
| TOTAL WELLS DRILLED: | 2 |

NOTE: PRODUCTION DATA NOT AVAILABLE.

SUBSURFACE COMPLETION DATA - BURTON POOL

| COMPANY | W | U | | COMP. | INITIAL | | | | SHOT OR ACID | OIL STRING | TUBING |
|---------------------|---|---|---------|---------|---------|-------|------|------|---------------|------------|------------|
| LEASE | E | N | S-T-R | DATE | DAILY | ELEV. | T.D. | T.P. | AMT. INTERVAL | SIZE DEPTH | SIZE DEPTH |
| | L | I | | | PROD. | TEST | | | | | |
| MACKENZIE, W. R. | L | I | | | | | | | | | |
| Cook & Ironsides | 1 | F | 8-20-29 | 1-22-45 | P&A | 3275 | 1204 | | | | |

PRODUCTION DATA - BURTON POOL

NOTE: The Getty, Inc. No. 2 Cook and Ironsides produced a total of approximately 100 bbls. oil to 1-1-46.
The well is now shut in.

CAVE POOL

LOCATION: T. 17 S., R. 29 E. SE $\frac{1}{4}$ sec. 8, SW $\frac{1}{4}$ sec. 9, NW $\frac{1}{4}$ sec. 16,
NE $\frac{1}{4}$ sec. 17.

DISCOVERY DATE: October 1940.

DISCOVERY WELL: Herbert Aid No. 2 Leonard-State, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 16-17-29.
T.D. 3080'. PB 2450'. Initial potential, 8 bbls.
oil per day from Grayburg formation. Top Queen,
1715'; Top San Andres, 2415'. Elevation 3594'.

GRAVITY OF OIL: 36° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Limestone of basal Grayburg.

AVERAGE PRODUCING DEPTH: 2450'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-46: 0

GAS WELLS: 0

ABANDONED WELLS: $\frac{3}{3}$

TOTAL WELLS DRILLED: 3

| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|------------------------|------------------------|------------------------|
| No. of producing wells | 0 | 1 | 0 |
| Yearly production | 0 | 265 | 0 |
| Cumulative production | to 1-1-44 223 bbls. | to 1-1-45 488 bbls. | to 1-1-46 488 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-46: 12 bbls.

Internal gas-drive type reservoir.

NOTE: Pool has been abandoned.

SUBSURFACE COMPLETION DATA - CAVE POOL

| COMPANY LEASE | W | U | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|---|---|---|----------|---------------|-----------------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|
| | E | N | | | | | | | | | |
| BRODERICK, GORDON & HARDENDORF State | 1 | I | 8-17-29 | 3-15-43 | P&A | 3598 | 2500 | | | | |
| YATES & AID Leonard-State | 1 | A | 16-17-29 | 5-10-43 | P&A | 3562 | 2770 | | | | |

PRODUCTION DATA - CAVE POOL

| COMPANY LEASE | W | U | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-------------------------------|---|---|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | E | N | | | | | | | | |
| AID, HERBERT Leonard-State | 2 | D | 16-17-29 | 223 | | 223 | 265 | 488 | | 488 |
| FIELD TOTAL | | | | 223 | | 223 | 265 | 488 | | 488 |

CULWIN POOL

LOCATION: T. 19 S., R. 31 E. N $\frac{1}{2}$ sec. 6.
DISCOVERY DATE: August 1942.
DISCOVERY WELL: Culbertson-Irwin No. 1 Vandegriff, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec 6-19-31.
T.D. 3573'. Initial potential, pump 30 bbls. oil
per day from Queen formation. Top Rustler, 535';
Base Salado, 2050'; Top Yates, 2265'; Top Queen, 3187'.
Elevation 3540'.

GRAVITY OF OIL: 33° API.
AVERAGE THICKNESS OF PAY ZONE: 20'.
PRODUCING FORMATION: Queen.
AVERAGE PRODUCING DEPTH: 3573'.
DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 1 |
| Gas lift | 0 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 1

| | | | |
|------------------------|--------------------------|--------------------------|---------------------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 1 | 1 | 1 |
| Yearly production | 3,987 | 2,220 | 1,494 |
| Cumulative production | to 1-1-44 6,498 bbls. | to 1-1-45 8,718 bbls. | to 1-1-46 10,212 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-46: 255 bbls.

Type of drive unknown.

PRODUCTION DATA - CULWIN POOL

| COMPANY LEASE | W U | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---|-------------------|---------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | E N L I L T | | | | | | | | |
| HARDENDORF, A. J. (Formerly Carper Drlg. Co.) | | | | | | | | | |
| Vandegriff | 1 G | 6-19-31 | 2511 | 3987 | 6498 | 2220 | 8718 | 1494 | 10212 |
| FIELD TOTAL | | | 2511 | 3987 | 6498 | 2220 | 8718 | 1494 | 10212 |

DAUGHERTY POOL

LOCATION: T. 17 S., R. 27 E. All sec. 3.

DISCOVERY DATE: November 1938.

DISCOVERY WELL: P. B. English No. 1 Daugherty, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 3-17-27.
T.D. 2014' in San Andres formation.

GRAVITY OF OIL: 29° API.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: San Andres.

AVERAGE PRODUCING DEPTH: 2014'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 1 |
| Gas lift | 0 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS: $\frac{2}{2}$

TOTAL WELLS DRILLED: $\frac{3}{3}$

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|--------------|--------------|--------------|
| No. of producing wells | 1 | 1 | 1 |
| Yearly production | 1,648 | 2,255 | 1,762 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 10,972 bbls. | 13,227 bbls. | 14,989 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-46: 377 bbls.

PRODUCTION DATA - DAUGHERTY POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------------------------|-------------|------------------|----------------------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| BYRD-FROST (Formerly Daugherty) | P. 1 | B. N | English)* 3-17-27 | 9324 | 1648 | 10972 | 2255 | 13227 | 1762 | 14989 |
| FIELD TOTAL | | | | 9324 | 1648 | 10972 | 2255 | 13227 | 1762 | 14989 |

*Well completed 11-16-28

DAYTON POOL

LOCATION: T. 18 S., R. 26 E. S $\frac{1}{2}$ sec. 23, S $\frac{1}{2}$ sec. 24, all secs. 25, 26, N $\frac{1}{2}$ sec. 35.

DISCOVERY DATE: September 1940.

DISCOVERY WELL: Bassett & Birney, et al. No. 1 Platt, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26-18-26. T.D. 2545'. PB 1182'. Initial potential, 2 bbls. oil per day from middle Grayburg and upper San Andres.

GRAVITY OF OIL: 36° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 50'.

PRODUCING FORMATION: Lower Grayburg and upper San Andres.

AVERAGE PRODUCING DEPTH: 985' to 1182'.

DEEPEST TEST: Discovery well, described above. (National Exploration No. 2 Dayton, deepest test in area, was drilled to 4046' in 1919.)

OIL WELLS, as of 1-1-46:

| | |
|----------|----|
| Flowing | 13 |
| Pumping | 0 |
| Gas lift | 0 |
| Shut in | 2 |

GAS WELLS:

| | |
|-----------|---|
| Producing | 0 |
| Shut in | 1 |

ABANDONED WELLS: 3

TOTAL WELLS DRILLED: 19

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|---------------------------|---------------------------|----------------------------|
| No. of producing wells | 9 | 13 | 13 |
| Yearly production | 16,853 | 18,757 | 16,178 |
| Cumulative production | to 1-1-44 73,341 bbls. | to 1-1-45 92,098 bbls. | to 1-1-46 108,276 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 520 acres.

PER-ACRE RECOVERY to 1-1-46: 208 bbls.

Combination drive type reservoir.

SUBSURFACE COMPLETION DATA - DAYTON POOL

| COMPANY LEASE | W U E N L I L T | | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|--------------------------|--------------------------|----------|----------|---------------|-----------------------------------|-------|------|------|--------------|-----------|------------|-------|--------|------|
| | AMT. | INTERVAL | | | | | | | SIZE | DEPTH | SIZE | DEPTH | | |
| BASSETT & BIRNEY, ET AL. | | | | | | | | | | | | | | |
| Kimbell | 2 | O | 26-18-26 | 10-6-43 | F-16 | 3302 | 1238 | 1024 | 390q | 1020-1115 | 7 | 980 | 2 | 1100 |
| VALLEY REFINING CO. | | | | | | | | | | | | | | |
| Hoffman | 2 | B | 24-18-26 | 10-24-45 | F-6 | 3289 | 2899 | 1066 | 390q | 1040-1158 | 7 | 975 | 2 | 1088 |
| Kindle | 2 | A | 26-18-26 | 11-8-43 | F-8 | 3300 | 1047 | 985 | 70q | 982-1012 | 7 | 940 | 2 | 1025 |
| Scripps | 1 | L | 25-18-26 | 9-30-44 | F-20 | 3284 | 1041 | 1028 | 60q | 1025-41 | 7 | 924 | 2 | 1025 |
| Williams | 3 | B | " | 6-30-44 | F-10 | 3287 | 1083 | 1063 | | | 7 | 950 | 2 | 1035 |
| " | 4 | F | " | 11-15-44 | F-10 | 3285 | 1086 | 1058 | 60q | 1055-86 | 7 | 947 | 2 | 1085 |

PRODUCTION DATA - DAYTON POOL

| COMPANY LEASE | W U E N L I L T | | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------------------------|---|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | | | | | | | | | | |
| BASSETT & BIRNEY, ET AL. | | | | | | | | | | |
| Fedell | 1 | B | 35-18-26 | 12275 | 3514 | 15789 | 2513 | 18302 | 1776 | 20078 |
| Kimbell | 2 | O | 26-18-26 | | 478 | 478 | 2134 | 2612 | 1055 | 3667 |
| Platt | 1 | M | " | 1580 | | 1580 | | 1580 | | 1580 |
| " | 2 | D | " | 587 | | 587 | | 587 | | 587 |
| Roberts | 1 | C | 35-18-26 | 1827 | 1310 | 3137 | 1035 | 4172 | 867 | 5039 |
| MALCO REFINERIES, INC. (Formerly Brewer Drlg. Co.) | | | | | | | | | | |
| Hoffman | 1 | N | 24-18-26 | 7837 | 2822 | 10659 | 1563 | 12222 | 1102 | 13324 |
| " | 2 | O | " | | | | 1087 | 1087 | 987 | 2074 |
| Kindle | 2 | A | 26-18-26 | | 105 | 105 | 498 | 603 | 426 | 1029 |
| McCall | 1 | N | 24-18-26 | 12350 | 2378 | 14728 | 2055 | 16783 | 1224 | 18007 |
| Scripps | 1 | L | 25-18-26 | | | | 61 | 61 | 1041 | 1102 |
| Williams | 1 | C | " | 13600 | 3411 | 17011 | 2921 | 19932 | 1875 | 21807 |
| " | 2 | D | " | 5718 | 2490 | 8208 | 2111 | 10319 | 1723 | 12042 |
| " | 3 | B | " | | | | 2315 | 2315 | 1725 | 4040 |
| " | 4 | F | " | | | | 124 | 124 | 1882 | 2006 |
| NIX, ET AL. | | | | | | | | | | |
| Crozier | 1 | C | 26-18-26 | 714 | 345 | 1059 | 340 | 1399 | 495 | 1894 |
| FIELD TOTAL | | | | 56488 | 16853 | 73341 | 18757 | 92098 | 16178 | 108276 |

DAYTON, EAST, POOL

LOCATION: T. 18 S., R. 27 E. NW $\frac{1}{4}$ sec. 29.

DISCOVERY DATE: December 1944.

DISCOVERY WELL: Martin Yates, Jr. No. 1 Kaiser, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 29-18-27.
T.D. 1490' in Grayburg. Initial potential, pump
8 bbls. oil per day. Well was shot with 194 quarts
from 1350' to 1400'. The Grayburg pay has been
abandoned, and the well is being drilled deeper.

GRAVITY OF OIL: 32° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Grayburg.

AVERAGE PRODUCING DEPTH: 1350' to 1405'.

DEEPEST TEST: Discovery well, described above, is only well in pool.

OIL WELLS, as of 1-1-46: 0

GAS WELLS: 0

ABANDONED WELLS: $\frac{1}{1}$

TOTAL WELLS DRILLED: $\frac{1}{1}$

| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|-------------------|-------------------|------------------------|
| No. of producing wells | 0 | 0 | 1 |
| Yearly production | 0 | 0 | 242 |
| Cumulative production | to 1-1-44 none | to 1-1-45 none | to 1-1-46 242 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-46: 4 bbls.

SUBSURFACE COMPLETION DATA - DAYTON, EAST, POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|-----------------------------|-------------|------------------|----------|---------------|-----------------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|
| MARTIN YATES, JR. Kaiser | 1 | D | 29-18-27 | 12-4-44 | P-8 | 3285 | 1490 | 1395 | 194q 1350-1400 | 7 | 1175 2 1460 |

PRODUCTION DATA - DAYTON, EAST, POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--------------------------------------|-------------|------------------|----------|-----------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| MARTIN YATES, JR. Kaiser (Gainer) | 1 | D | 29-18-27 | (Well being drilled deeper) | | | | | 242 | 242 |
| FIELD TOTAL | | | | | | | | 242 | 242 | |

EMPIRE POOL

LOCATION: T. 17 S., R. 27 E. S $\frac{1}{2}$ sec. 13, all secs. 24, 25, E $\frac{1}{2}$ sec. 26,
S $\frac{1}{2}$ sec. 33, all secs. 34, 35, 36
T. 17 S., R. 28 E. S $\frac{1}{2}$ sec. 18, all sec. 19, W $\frac{1}{2}$ sec. 30
T. 18 S., R. 27 E. N $\frac{1}{2}$, SW $\frac{1}{2}$ sec. 2, all secs. 3, 4, 5, E $\frac{1}{2}$ sec.
6, E $\frac{1}{2}$ sec. 7, all sec. 8, NE $\frac{1}{4}$, W $\frac{1}{2}$ sec. 9.

DISCOVERY DATE: By order effective January 1, 1945 pool established and defined by New Mexico Oil Conservation Commission.

DISCOVERY WELL: The wells in the Empire pool originally were included in the Artesia and Red Lake pools.

GRAVITY OF OIL: 35° API.

AVERAGE THICKNESS OF PAY ZONE: 34'.

PRODUCING FORMATION: Yates, Grayburg, and San Andres.

AVERAGE PRODUCING DEPTH: Yates, 350' to 460'; Grayburg and San Andres, 1250' to 2275'.

DEEPEST TEST: Burnham Oil Co. deepened No. 3 Brooks A, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 19-17-28 to 2612'. P. & A. Top Yates, 315'; Top Queen, 1125'; Top San Andres, 1895'. Elevation 3633'.

OIL WELLS, as of 1-1-46:

| | |
|----------|----|
| Flowing | 2 |
| Pumping | 75 |
| Gas lift | 0 |
| Shut in | 24 |

GAS WELLS: 0

ABANDONED WELLS: 63

TOTAL WELLS DRILLED: 164

| | | | |
|------------------------|---------------|---------------|---------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 73 | 73 | 77 |
| Yearly production | 76,520 | 61,831 | 72,984 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 768,346 bbls. | 830,177 bbls. | 903,161 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 2800 acres.

PER-ACRE RECOVERY to 1-1-46: 323 bbls.

SUBSURFACE COMPLETION DATA - EMPIRE POOL

| COMPANY LEASE | W L | U I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|---|--------|-------------|----------|---------------|-----------------------------------|-------|-------|------|--------------|-----------|------------|-------|--------|-------|
| | | | | | | | | | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| ACREY & ACREY State | 3 | F | 36-17-27 | 1-4-43 | P-8 | 3601 | 500 | 459 | 2000g | 465-500 | 5 1/2 | 459 | 2 | 490 |
| BEDDINGFIELD, J. E. State A | 1 | B | " | 12-1-45 | P-2 | 3626 | 546 | 494 | 2000g | 494-531 | 7 | 492 | 2 | 497 |
| BURNHAM OIL CO. Brooks A | 1 | G | 19-17-28 | 7-23-45 | P&A | 3591 | 2373 | | 320q | 2298-2373 | | | | |
| BRAINARD, F. Brainard B | 1 | J | 6-18-27 | 6-26-43 | P-16 | 3457 | 1817 | 1791 | 600q | 1730-1817 | 8 1/4 | 1060 | 2 | 1800 |
| BRAINARD, F. (Flynn, Welch & Yates) Evarts | 1 | H | 6-18-27 | 7-31-44 | P-20 | 3480 | 1871 | 1843 | 130q | 1840-1871 | 7 | 1480 | 2 | 1840 |
| EAST & GRAY State C | 1 | P | 24-17-27 | 10-9-45 | P-10 | 3507 | 474 | 458 | 130q | 458-474 | 7 | 438 | 2 | 470 |
| HIGHTOWER, NAY Berry | 21 | K | " | 12-3-43 | P-12 | 3494 | 525 | 426 | | | 5 1/2 | 416 | 2 | 432 |
| HIGHTOWER & POTTORFF Hightower- State | 1 | M | 19-17-28 | 2-3-44 | P-5 | 3509 | 485 | 470 | 500g | 470-485 | 7 | 450 | 2 | 474 |
| HOVER, A. H. Aregood- State | 1 | N | " | 4-8-43 | P&A | 3520 | 528 | | | | | | | |
| Hastie | 6 | M | 18-17-28 | 1-15-45 | P-8 | 3577 | 553 | 542 | | | 7 | 520 | 2 | 541 |
| " | 7 | L | " | 6-24-45 | P-20 | 3563 | 547 | 529 | 30q | 533-545 | 7 | 528 | 2 | 540 |
| Saunders | 6 | P | 13-17-27 | 8-1-45 | P-5 | 3563 | 602 | 522 | 80q | 522-550 | 7 | 502 | 2 | 545 |
| MALCO REFINING CO. State A | 3 | D | 2-18-27 | 12-23-45 | P-10 | 3596 | 1650 | 1619 | 60q | 1637-1650 | 5 1/2 | 1018 | 2 | 1610 |
| " B | 1 | L | " | 1-23-44 | P-80 | 3541 | 2233) | 395 | 3000g | 395-435 | 7 | 385 | 2 | 430 |
| " D | 1 | F | " | 2-10-44 | P-6 | 3574 | 440 | 408 | | | 8 | 406 | 2 | 430 |
| " E | 1 | K | " | 4-15-44 | P-5 | 3541 | 442 | 417 | 1000g | 417-440 | 7 | 395 | 2 | 439 |
| PATON BROS. Magruder | 6 | J | 35-17-27 | 8-5-45 | P&A | 3624 | 461 | | 1000g | 420-461 | 7 | 407 | | |
| Russell A | 7 | O | " | 1-5-43 | P-280 | 3615 | 477 | 450 | | | 8 1/4 | 430 | 2 | 475 |
| State | 4 | C | 2-18-27 | 3-12-44 | P-8 | 3580 | 443 | 416 | 1000g | 416-441 | 7 | 411 | 2 | 440 |
| Wright- State | 2 | B | " | 3-29-44 | P-4 | 3586 | 440 | 417 | 3000g | 417-440 | | | 2 | 435 |

SUBSURFACE COMPLETION DATA - EMPIRE POOL - continued

| COMPANY LEASE | W L | U T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH | | |
|------------------------|--------|--------|----------|---------------|-----------------------------------|-------|-------|------|--------------|-----------|--------------------------|----------------------|-------|------|
| | | | | | | | | | AMT. | INTERVAL | | SIZE | DEPTH | |
| SAIKIN, DAVE, ET AL. | | | | | | | | | | | | | | |
| Vandegriff | 1 | D | 8-18-27 | 5-1-45 | P-6 | 3414 | 1799) | 1699 | 1000g | 1699-1735 | 7 | 1142 | 2 | 1705 |
| SIMON, JULIAN E. | | | | | | | | | | | | | | |
| Mann B | 1 | P | 3-18-27 | 3-28-44 | P-4 | 3496 | 370 | 352 | 1500g | 352-70 | 7 | 342 | 2 | 365 |
| " | 2 | P | " | 4-22-44 | P-20 | 3505 | 409 | 362 | | | 7 | 357 | 2 | 405 |
| " | 3 | O | " | 4-29-44 | P&A | 3501 | 385 | | 40q | 355-85 | | | | |
| " | 4 | P | " | 5-12-44 | P&A | 3500 | 530 | | | | | | | |
| SOUTHERN UNION GAS CO. | | | | | | | | | | | | | | |
| Stephens | 1 | P | 19-17-28 | 1-16-45 | F-100 | 3548 | 1840 | 1762 | | | 7 | 1718 | 2 | 1832 |
| State | 6 | I | " | 4-3-45 | F-125 | 3580 | 1922 | 1814 | 165q | 1814-1900 | 7 | 1704 | 2 | 1910 |
| " | 8 | K | " | 7-10-45 | P-70 | 3556 | 1901) | 525 | 1000g | 510-50 | 8 5/8 | 446 | 2 | 550 |
| " | 9 | O | " | 9-17-45 | F-40 | 3538 | 1839 | 1754 | 135q | 1754-1839 | 7 | 1648 | 2 | 1839 |
| " | 10 | G | 30-17-28 | 11-15-45 | P-8 | 3570 | 1826 | 1738 | 280q | 1740-1826 | 6 5/8 | 1641 | 2 | 1814 |

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PRODUCTION DATA - EMPIRE POOL

| COMPANY LEASE | W L | U T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 | CUMULATIVE TO 1-1-44 | 1944 | CUMULATIVE TO 1-1-45 | 1945 | CUMULATIVE TO 1-1-46 |
|---------------------|--------|--------|-----------|-------------------------|-------|-------------------------|-------|-------------------------|-------|-------------------------|
| | | | | | PROD. | | PROD. | | PROD. | |
| ACREY & ACREY | | | | | | | | | | |
| State | 1,3 | B | 36-17-27 | 3364 | 3122 | 6486 | 3054 | 9540 | 2611 | 12151 |
| BEDDINGFIELD, J. E. | | | | | | | | | | |
| Brooks | 1 | A | 19-17-28) | | 100 | | | | 372 | |
| " | 4,6 | | ") | 2805 | 401 | 3306 | 220 | 3526 | 1332 | 5230 |
| State | 7,8,9 | E | ") | | | | | | | |
| BRAINARD, F. | 1 | B | 36-17-27 | | | | | | | |
| Brainard | 1 | K | 5-18-27 | 51748 | 3871 | 55619 | 3922 | 59541 | 4076 | 63617 |
| " | 2 | L | " | 57956 | 5807 | 63763 | 4678 | 68441 | 4074 | 72515 |
| " | B | 1 | I | 6-18-27 | | 2789 | 4576 | 7365 | 3757 | 11122 |

PRODUCTION DATA - EMPIRE POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE | 1943 | CUMULATIVE | 1944 | CUMULATIVE | 1945 | CUMULATIVE |
|--|---------|-------------|----------|------------|-------|------------|-------|------------|-------|------------|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 |
| BRAINARD & GUY | | | | | | | | | | |
| Brainard | 1 | K | 6-18-27 | 251 | | 251 | | 251 | | 251 |
| BRAINARD, F. (Flynn, Welch & Yates) | | | | | | | | | | |
| Evarts | 1 | H | 6-18-27 | | | | 751 | 751 | 2717 | 3468 |
| CUNNINGHAM, W. D. | | | | | | | | | | |
| Price | 1 | L | 36-17-27 | 2297 | 904 | 3201 | | 3201 | | 3201 |
| Featherstone | 2 | H | 25-17-27 | 2938 | | 2938 | | 2938 | | 2938 |
| Quinn-State | 1 | E | 30-17-28 | 8660 | 2919 | 11579 | | 11579 | P&A | 11579 |
| CUNNINGHAM & PLOYHAR | | | | | | | | | | |
| State | 1,2 | D | " | 15863 | 1807 | 17670 | | 17670 | | 17670 |
| DOOLEY, W. P. | | | | | | | | | | |
| Ramapo-State | 1 | K | 36-17-27 | 3098 | 2013 | 5111 | 1131 | 6242 | 1542 | 7784 |
| " | 3 | J | " | 3010 | 690 | 3700 | 201 | 3901 | 733 | 4634 |
| " | 4 | N | " | 112 | 828 | 940 | 556 | 1496 | 667 | 2163 |
| EAST, C. L. & GRAY, N. M. | | | | | | | | | | |
| State | 1,2 | A | 24-17-27 | | | | | | 2868 | 2868 |
| FULTON, E. L. | | | | | | | | | | |
| Conklin-State | 1 | G | 36-17-27 | 5573 | 4327 | 9900 | 2051 | 11951 | | 11951 |
| Luthy-State | 1 | A | " | 715 | | 715 | | 715 | | 715 |
| Hapman-State | 2 | B | " | 840 | | 840 | | 840 | | 840 |
| HADLOCK, FRANK | | | | | | | | | | |
| State | 1 | E | " | 1071 | | 1071 | | 1071 | | 1071 |
| HIGHTOWER, NAY & SONS | | | | | | | | | | |
| Berry | 1,5,21 | A | 24-17-27 | 10438 | 1005 | 11443 | 987 | 12430 | 771 | 13201 |
| " | 7,8 | B | " | 6565 | 974 | 7539 | 544 | 8083 | 517 | 8600 |
| " | 6,15,17 | G | " | 11874 | 1414 | 13288 | 754 | 14042 | 773 | 14815 |
| " | 9,13,18 | H | " | 5316 | 1399 | 6715 | 758 | 7473 | 657 | 8130 |
| " | 11,19 | K | " | 3032 | 989 | 4021 | 440 | 4461 | 549 | 5010 |
| " | 16 | O | " | 2599 | 547 | 3146 | 357 | 3503 | 291 | 3794 |
| HIGHTOWER & PLOYHAR (Formerly Ployhar) | | | | | | | | | | |
| Spurck | 1 | I | 24-17-27 | 11878 | 837 | 12715 | 821 | 13536 | 1700 | 15236 |
| " | 2 | F | " | 6595 | 547 | 7142 | 899 | 8041 | 946 | 8987 |
| " | 3 | G | " | 834 | | 834 | | 834 | | 834 |
| HIGHTOWER & POTORFF (Formerly Potorff et al.) | | | | | | | | | | |
| Potorff-State | 1 | M | 19-17-28 | 2263 | | 2263 | | 2263 | | 2263 |
| HOVER, A. H. (Formerly Baldwin-Reed Drlg. Co.) | | | | | | | | | | |
| Hastie | 4,7 | L | 18-17-28 | 1716 | 573 | 2289 | 361 | 2650 | 280 | 2930 |

PRODUCTION DATA - EMPIRE POOL - continued

| COMPANY LEASE | W L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------|------------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| HOVER, A. H. (Formerly Baldwin-Reed Drlg. Co.) - continued | | | | | | | | | | |
| Hastie | 5,6,8 | M | 18-17-28 | 2410 | 1336 | 3746 | 1468 | 5214 | 1656 | 6870 |
| Saunders | 1,2) | | | | | | | | | |
| " | 5,6) | P | 13-17-27 | 24366 | 2915 | 27281 | 2419 | 29700 | 2026 | 31726 |
| " | 3 | I | " | 10307 | | 10307 | | 10307 | | 10307 |
| Schneider-State | 1 | J | 24-17-27 | 935 | 430 | 1365 | 114 | 1479 | | 1479 |
| JOHNSTON, R. J. | | | | | | | | | | |
| Harbold | 2 | P | 26-17-27 | 110 | | 110 | | 110 | | 110 |
| MAGRUDER, R. S. | | | | | | | | | | |
| State | 1 | E | 36-17-27 | 1071 | | 1071 | 613 | 1684 | 375 | 2059 |
| MALCO REFINERIES, INC. | | | | | | | | | | |
| State A | 1* | D | 2-18-27 | | 411 | 411 | 1468 | 1879 | 1414 | 3293 |
| " | 3 | D | " | | | | | | | |
| " B | 1 | L | " | | | | 1137 | 1137 | 962 | 2099 |
| " C | 1** | E | " | 1231 | 312 | 1543 | 818 | 2361 | 267 | 2628 |
| " E | 1 | K | " | | | | 438 | 438 | 104 | 542 |
| " D | 1 | F | " | | | | | | 254 | 254 |
| PATON BROS. | | | | | | | | | | |
| Magruder | 1 | J | 35-17-27) | | 1067) | | 426) | | 304) | |
| " | 2 | I | ") | | 1116) | | 607) | | 460) | |
| " | 3 | K | ") | | 617) | | 366) | | 245) | |
| " | 4,5 | P | ") | | 2204) | | 1830) | | 1373) | |
| Russell | 1,3,6 | N | ") | | 1887) | | 1150) | | 795) | |
| " | 2,4) | | | | | | | | | |
| " | 5,7) | O | ") | | 8889) | | 5920) | | 4655) | |
| State | 1,2) | | | | | | | | | |
| " | 3,4) | C | 2-18-27) | | 1486) | | 2817) | | 1578) | |
| Wright-State | 1,2 | B | ") | 159227 | 1551) | 178044 | 1889) | 193049 | 1767) | 204226 |
| ROBERTS, OTIS A. | | | | | | | | | | |
| Patterson-State | 1,2 | P | 25-17-27 | 1337 | 169 | 1506 | | 1506 | | 1506 |
| State | 1,1A | P | 24-17-27 | 13960 | 1957 | 15917 | | 15917 | | 15917 |
| " | 3A | L | 19-17-28 | 6636 | | 6636 | | 6636 | | 6636 |
| " C | 2,3 | A | 25-17-27 | 378 | | 378 | | 378 | | 378 |

*Formerly M. Hudson

**Formerly Anderson-Roberts

PRODUCTION DATA - EMPIRE POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| SIMON, JULIAN E. (Formerly McGinley & Hartwell) | | | | | | | | | | |
| Brainard | 3,7,8 | P | 5-18-27) | | 1444) | | 1760) | | 2347) | |
| Mann | 4 | M | 4-18-27) | | 1211) | | 1605) | | 1421) | |
| " B | 1 | P | 3-18-27) | | | | 307 | 307 | 844 | 1151 |
| " | 2 | P | " | | | | 304 | 304 | 842 | 1146 |
| Pitcher | 1 | A | 8-18-27) | | 5798) | | 4948) | | 3727) | |
| GANT, WALTER H. | | | | | | | | | | |
| Vandegriff | 1 | I | ") | 240438* | 792) | 249683* | 849) | 258845* | 1361) | 267701* |
| SHALLOW ROCK OIL CO. | | | | | | | | | | |
| Hastie | 3 | P | 18-17-28 | 227 | | 227 | | 227 | | 227 |
| SOUTHERN UNION GAS CO. | | | | | | | | | | |
| State | 6 | I | 19-17-28 | | | | | | 5809 | 5809 |
| " | 8 | K | " | | | | | | | |
| " | 9 | O | " | | | | | | 445 | 445 |
| Stephens | 1 | P | " | | | | | | 5417 | 5417 |
| VANDEGRUFF, LEE | | | | | | | | | | |
| Kaiser | 1 | J | 7-18-27 | 1059 | 1165 | 2224 | 1158 | 3382 | 1229 | 4611 |
| WILLIAMS & PLOYHAR | | | | | | | | | | |
| Barentos | 2 | G | 35-17-27 | 587 | | 587 | | 587 | | 587 |
| WILLIAMS, PLOYHAR & MONTIETH | | | | | | | | | | |
| Harbold | 4 | H | " | 127 | | 127 | | 127 | | 127 |
| WILLIAMS, PLOYHAR & WILLIAMS | | | | | | | | | | |
| Harbold | 3 | F | " | 4009 | 1900 | 5909 | 359 | 6268 | 74 | 6342 |
| FIELD TOTAL | | | | 691826 | 76520 | 768346 | 61831 | 830177 | 72984 | 903161 |

*Cumulative production, Gant & Simon property

FENTON POOL

LOCATION: T. 21 S., R. 28 E. All sec. 15.
DISCOVERY DATE: August 1943.
DISCOVERY WELL: Schuster & Messinger No. 1 Page, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15-21-28.
T.D. 2649' in Delaware. Initial potential, pump 20
bbls. oil per day.

GRAVITY OF OIL: 40° API.
AVERAGE THICKNESS OF PAY ZONE: 16'.
PRODUCING FORMATION: Delaware.
AVERAGE PRODUCING DEPTH: 2649'.
DEEPEST TEST: Yates & Nix No. 1 Mathews, NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21-21-28.
T.D. 3525'. P. & A.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 1 |
| Gas lift | 0 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS: $\frac{4}{5}$

TOTAL WELLS DRILLED: 5

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|------------------------|------------------------|--------------------------|
| No. of producing wells | 1 | 1 | 1 |
| Yearly production | 545 | 290 | 185 |
| Cumulative production | to 1-1-44 545 bbls. | to 1-1-45 835 bbls. | to 1-1-46 1,020 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-46: 25 bbls.

Probably water-drive type reservoir.

SUBSURFACE COMPLETION DATA - FENTON POOL

| COMPANY LEASE | W U E N | | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH | | |
|---------------------------------|------------|---|----------|---------------|-----------------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|---|------|
| | L I L T | | | | | | | | | | | | |
| SCHUSTER & MESSINGER | | | | | | | | | | | | | |
| Page | 1 | E | 15-21-28 | 8-1-43 | P-20 | 3287 | 2649 | 2638 | 20q 2633-2649 | 7 | 2514 | 2 | 2566 |
| " | 2 | D | " | 3-6-44 | P&A | 3290 | 2984 | | | | | | |
| MATTHEWS & NIX | | | | | | | | | | | | | |
| Matthews | 1 | I | 21-21-28 | 6-2-43 | P&A | 3233 | 3525 | | | 7 | 2458 | | |
| " | 2 | L | " | 11-22-43 | P&A | 3233 | 1010 | | | | | | |
| " | 3 | D | 22-21-28 | 5-30-43 | P&A | 3253 | 2916 | | 160q 2625-2580 | | | | |

PRODUCTION DATA - FENTON POOL

| COMPANY LEASE | W U E N | | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---------------------------------|------------|---|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | L I L T | | | | | | | | | |
| SCHUSTER & MESSINGER | | | | | | | | | | |
| Page | 1 | E | 15-21-28 | | 545 | 545 | 290 | 835 | 185 | 1020 |
| FIELD TOTAL | | | | | 545 | 545 | 290 | 835 | 185 | 1020 |

FREN POOL

LOCATION: T. 17 S., R. 30 E. All secs. 22 to 27 incl.
T. 17 S., R. 31 E. All secs. 19, 20, 21, 22, 29, 30.
DISCOVERY DATE: By order effective January 1, 1945, pool established
and defined by New Mexico Oil Conservation Commission.
DISCOVERY WELL: The wells in the Fren pool originally were included in
Grayburg-Jackson pool.
GRAVITY OF OIL: 35.5° API.
AVERAGE THICKNESS OF PAY ZONE: 34'.
PRODUCING FORMATION: Seven Rivers.
AVERAGE PRODUCING DEPTH: 1880' to 2280'.
DEEPEST TEST: See Grayburg-Jackson pool data for deep test in area.
OIL WELLS, as of 1-1-46:
 Flowing 22
 Pumping 16
 Gas lift 0
 Shut in 0
GAS WELLS: 0
ABANDONED WELLS: 0
TOTAL WELLS DRILLED: 38
OIL PRODUCTION: 1943 1944 1945
 No. of producing wells 3 26 38
 Yearly production 3,889 130,258 272,439
 Cumulative production to 1-1-44 to 1-1-45 to 1-1-46
 3,889 bbls. 134,147 bbls. 406,586 bbls.
GAS PRODUCTION: estimated, cumulative to 1-1-46, 610 million cu. ft.
WATER PRODUCTION: none reported.
AREA OF PROVEN PRODUCTION: 1520 acres.
PER-ACRE RECOVERY to 1-1-46: 267 bbls.
GAS-OIL RATIO: estimated, as of 1-1-46, 1500/1.
Internal gas-drive type reservoir.

SUBSURFACE COMPLETION DATA - FREN POOL

| COMPANY LEASE | W U E N L I L T | | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|-------------------------------------|--------------------------|----------|----------|---------------|-----------------------------------|-------|------|------|--------------|-----------|------------|-------|--------|------|
| | AMT. | INTERVAL | | | | | | | SIZE | DEPTH | SIZE | DEPTH | | |
| BYRD-FROST (Formerly P. B. English) | | | | | | | | | | | | | | |
| State | 2 | D | 30-17-31 | 9-1-44 | F-20 | 3597 | 2059 | 2010 | 100q | 1996-2044 | 5 1/2 | 1916 | 2 | 2053 |
| DANCIGER OIL & REFINING CO. | | | | | | | | | | | | | | |
| Friess | 1 | B | 30-17-31 | 2-14-44 | F-45 | 3583 | 2057 | 1995 | 160q | 1979-2039 | 7 | 1852 | 2 | 1942 |
| Turner A | 16 | H | 19-17-31 | 5-7-44 | F-50 | 3615 | 1927 | 1890 | 65q | 1885-1910 | 5 1/2 | 1875 | 2 | 1875 |
| " | 17 | G | " | 10-20-44 | F-95 | 3631 | 1965 | 1873 | 120q | 1870-1945 | 5 1/2 | 1847 | 2 | 1830 |
| " | 18 | E | " | 4-20-45 | F-45 | 3660 | 1966 | 1895 | 100q | 1895-1940 | 5 1/2 | 1857 | 2 | 1855 |
| " | 19 | F | " | 4-29-45 | F-80 | 3652 | 1949 | 1880 | 100q | 1880-1949 | 5 1/2 | 1837 | 2 | 1840 |
| " B | 12 | L | 20-17-31 | 5-31-44 | F-50 | 3630 | 2022 | 1935 | 210q | 1910-2010 | 5 1/2 | 1876 | 2 | 1853 |
| " | 13 | M | " | 8-15-44 | F-91 | 3630 | 2051 | 1955 | 150q | 1960-2031 | 5 1/2 | 1898 | 2 | 1960 |
| " | 14 | N | " | 8-18-44 | F-20 | 3679 | 2115 | 2025 | 150q | 2020-2095 | 5 1/2 | 1940 | 2 | 2032 |
| " | 15 | E | " | 11-1-44 | F-100 | 3631 | 1949 | 1885 | 150q | 1885-1927 | 7 | 1825 | 2 | 1875 |
| " | 16 | F | " | 12-31-44 | F-60 | 3646 | 1975 | 1913 | 160q | 1891-1952 | 7 | 1876 | 2 | 1900 |
| " | 17 | K | " | 1-30-45 | F-50 | 3667 | 2046 | 1983 | 165q | 1960-2030 | 5 | 1945 | 2 | 1956 |
| " | 18 | J | " | 7-16-45 | F-80 | 3690 | 2067 | 2013 | 160q | 2009-2050 | 7 | 1945 | 2 | 2065 |
| " | 19 | I | " | 10-5-45 | F-55 | 3738 | 2096 | 2040 | 140q | 2040-2075 | 7 | 2022 | 2 | 1986 |
| " | 20 | P | " | 12-19-45 | F-54 | 3762 | 2184 | 2097 | 250q | 2097-2166 | 7 | 2075 | 2 | 2140 |
| ENGLISH, P. B. | | | | | | | | | | | | | | |
| Stagner | 2 | C | 31-17-31 | 12-31-44 | P&A | 3702 | 2415 | | | | | | | |
| FREN OIL CO. | | | | | | | | | | | | | | |
| Friess | 1 | O | 19-17-31 | 8-21-43 | F-46 | 3587 | 2040 | 1940 | 80q | 1920-1980 | 5 1/2 | 1783 | 2 | 1925 |
| " | 2 | N | " | 11-18-43 | F-100 | 3581 | 2002 | 1903 | 320q | 1903-1991 | 7 | 1850 | 2 | 1910 |
| " | 3 | K | " | 4-13-44 | F-384 | 3610 | 2002 | 1885 | 320q | 1886-1997 | 7 | 1800 | 2 | 1931 |
| " | 4 | I | " | 1-19-44 | F-190 | 3609 | 2054 | 1931 | 320q | 1910-2000 | 7 | 1844 | 2 | 2000 |
| " | 5 | P | " | 2-25-44 | F-160 | 3594 | 2023 | 1925 | 320q | 1923-2023 | 7 | 1865 | 2 | 1928 |
| MIZEL & RANDEL | | | | | | | | | | | | | | |
| Friess | 2 | J | " | 8-26-44 | F-50 | 3605 | 1970 | 1870 | 270q | 1870-1949 | 7 | 1804 | 2 | 1940 |
| NASH, WINDFOHR & BROWN | | | | | | | | | | | | | | |
| Gissler B | 5 | J | 23-17-30 | 3-14-45 | F-25 | 3669 | 2003 | 1915 | 360q | 1910-2000 | 7 | 1801 | 2 | 1920 |
| Jackson B | 12 | I | 24-17-30 | 8-5-44 | F-110 | 3647 | 1997 | 1954 | 250q | 1914-1977 | 7 | 1826 | 2 | 1995 |
| " | 13 | P | " | 10-10-44 | F-100 | 3620 | 2034 | 1953 | 350q | 1943-2034 | 7 | 1878 | 2 | 1953 |
| " | 14 | J | " | 11-15-44 | F-30 | 3692 | 2050 | 1960 | 350q | 1960-2050 | 7 | 1880 | 2 | 2030 |
| " | 16 | H | " | 12-31-44 | F-270 | 3699 | 2000 | 1923 | 310q | 1920-2000 | 7 | 1861 | 2 | 1996 |
| PATON BROS. | | | | | | | | | | | | | | |
| Sargeant | 3 | H | 27-17-30 | 7-14-45 | P&A | 3624 | 2038 | | | | | | | |

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SUBSURFACE COMPLETION DATA - FREN POOL - continued

| COMPANY LEASE | W L | U I | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | | |
|----------------------|--------|--------|----------|---------------|-----------------------------------|-------|----------|------|--------------|-----------|------------|-------|--------|-------|--|
| | | | | | | | | | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH | |
| RANDEL, O. H. | | | | | | | | | | | | | | | |
| State | 1 | L | 19-17-31 | 5-24-44 | F-180 | 3628 | 2002 | 1910 | 270q | 1910-2000 | 7 | 1836 | 2 | 1950 | |
| " | 2 | M | " | 7-13-44 | F-50 | 3606 | 2014 | 1950 | 250q | 1947-2014 | 7 | 1851 | 2 | 2014 | |
| REPOLLO OIL CO. | | | | | | | | | | | | | | | |
| Parke B | 2 | L | 23-17-30 | 10-13-44 | P-25 | 3666 | 1940 | 1900 | 60q | 1899-1940 | 7 | 1850 | 2 | 1915 | |
| SCHUSTER & SCHUSTER | | | | | | | | | | | | | | | |
| Friess | 1 | C | 30-17-31 | 4-15-44 | F-150 | 3578 | 2061 | 2001 | 320q | 1970-2058 | 7 | 1887 | 2 | 2021 | |
| " | 2 | F | " | 5-31-44 | F-50 | 3586 | 2104 | 2073 | 320q | 2017-2090 | 7 | 2000 | 2 | 2080 | |
| SKELLY OIL CO. | | | | | | | | | | | | | | | |
| Dow B | 8 | F | 21-17-31 | 5-13-44 | F-65 | 3805 | 3677) | 2135 | | | 7 | 2035 | 2 | 2188 | |
| | | | | | | | PB 2198) | | | | | | | | |
| Lynch A | 3 | C | 22-17-31 | 8-28-44 | P-16 | 3844 | 3768 | 2160 | 280q | 2160-2293 | 7 | 2103 | 2 | 2290 | |
| | | | | | | | PB 2305 | | | | | | | | |
| WOOLLEY, ROLAND RICH | | | | | | | | | | | | | | | |
| Arnold A | 5 | P | 22-17-30 | 2-28-44 | F-80 | 3647 | 1965 | 1949 | 100q | 1940-1965 | 7 | 1907 | 2 | 1927 | |
| " | 6 | N | 23-17-30 | 5-14-44 | P-30 | 3655 | 1992 | 1942 | 110q | 1942-1992 | 7 | 1921 | 2 | 1966 | |
| " B | 6 | O | 22-17-30 | 7-2-44 | F-65 | 3640 | 1951 | 1905 | 180q | 1906-1951 | 7 | 1877 | 2 | 1905 | |
| McIntyre H | 5 | K | 23-17-30 | 12-31-44 | F-45 | 3655 | 1974 | 1890 | 390q | 1877-1974 | 7 | 1801 | 2 | 1900 | |
| " | 6 | K | " | 11-25-45 | F-40 | 3657 | 1994 | 1865 | 499q | 1865-1994 | 7 | 1816 | 2 | 1954 | |

PRODUCTION DATA - FREN POOL

| COMPANY LEASE | W L | U I | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-------------------------------------|--------|--------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | | | | | | | | | | |
| BYRD-FROST (Formerly P. B. English) | | | | | | | | | | |
| State | 1 | E | 30-17-31 | | 764 | 764 | 3224 | 3988 | 2765 | 6753 |
| " | 2 | D | " | | | | | | 688 | 688 |
| DANCIGER OIL & REFINING CO. | | | | | | | | | | |
| Friess | 1 | B | " | | | | 2767 | 2767 | 2811 | 5578 |
| Turner | 16 | H | 19-17-31 | | | | 9065 | 9065 | 11577 | 20642 |
| " | 17 | G | " | | | | 2102 | 2102 | 11577 | 13679 |

TL

PRODUCTION DATA - FREN POOL - continued

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| DANCIGER OIL & REFINING CO. -- continued | | | | | | | | | | |
| Turner | 18 | E | 19-17-31 | | | | | | 7208 | 7208 |
| " | 19 | F | " | | | | | | 7211 | 7211 |
| " B | 12 | L | 20-17-31 | | | 8867 | 8867 | 12025 | 20892 | 20892 |
| " | 13 | M | " | | | 5478 | 5478 | 12027 | 17505 | 17505 |
| " | 14 | N | " | | | 5478 | 5478 | 12028 | 17506 | 17506 |
| " | 15 | E | " | | | 2284 | 2284 | 13186 | 15470 | 15470 |
| " | 16 | F | " | | | | | 13186 | 13186 | 13186 |
| " | 17 | K | " | | | | | 10787 | 10787 | 10787 |
| " | 18 | J | " | | | | | 4543 | 4543 | 4543 |
| " | 19 | I | " | | | | | 2503 | 2503 | 2503 |
| FREN OIL CO. | | | | | | | | | | |
| Friess | 1 | O | 19-17-31 | 2599 | 2599 | 6310 | 8909 | 6079 | 14988 | 14988 |
| " | 2 | N | " | 526 | 526 | 5513 | 6039 | 7702 | 13741 | 13741 |
| " | 3 | K | " | | | 5073 | 5073 | 7683 | 12756 | 12756 |
| " | 4 | I | " | | | 7832 | 7832 | 7955 | 15787 | 15787 |
| " | 5 | P | " | | | 7997 | 7997 | 8175 | 16172 | 16172 |
| MIZEL & RANDEL | | | | | | | | | | |
| Friess | 2 | J | " | | | | | 10865 | 10865 | 10865 |
| NASH, WINDFOHR & BROWN | | | | | | | | | | |
| Gissler B | 5 | J | 23-17-30 | | | | | 2641 | 2641 | 2641 |
| Jackson B | 12 | I | 24-17-30 | | | 5033 | 5033 | 7418 | 12451 | 12451 |
| " | 13 | P | " | | | 3018 | 3018 | 7419 | 10437 | 10437 |
| " | 14 | J | " | | | 998 | 998 | 7419 | 8417 | 8417 |
| " | 16 | H | " | | | | | 5338 | 5338 | 5338 |
| RANDEL, O. H. | | | | | | | | | | |
| State | 1 | L | 19-17-31 | | | 5536 | 5536 | 7428 | 12964 | 12964 |
| " | 2 | M | " | | | 4606 | 4606 | 7431 | 12037 | 12037 |
| REPOLLO OIL CO. | | | | | | | | | | |
| Parke B | 2 | L | 23-17-30 | | | 1522 | 1522 | 6381 | 7903 | 7903 |
| SCHUSTER, FULTON & HADLOCK | | | | | | | | | | |
| Friess | 1 | C | 30-17-31 | | | 2758 | 2758 | 2841 | 5599 | 5599 |
| " | 2 | F | " | | | 2128 | 2128 | 2847 | 4975 | 4975 |
| SKELLY OIL CO. | | | | | | | | | | |
| Dow B | 8 | C | 21-17-31 | | | 6177 | 6177 | 7243 | 13420 | 13420 |
| Lynch A | 3 | C | 22-17-31 | | | 1505 | 1505 | 4276 | 5781 | 5781 |

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PRODUCTION DATA - FREN POOL - continued

| COMPANY LEASE | W U | E N | S-T-R | CUMULATIVE | 1943 | CUMULATIVE | 1944 | CUMULATIVE | 1945 | CUMULATIVE | |
|-----------------------------|-----|-----|----------|------------|-------|------------|-------|------------|--------|------------|--------|
| | L I | L T | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 | |
| WOOLLEY, ROLAND RICH | | | | | | | | | | | |
| Arnold A | 5 | P | 22-17-30 | | | | 11972 | 11972 | 9627 | 21599 | |
| " | 6 | N | 23-17-30 | | | | 7079 | 7079 | 7576 | 14655 | |
| " B | 6 | O | 22-17-30 | | | | 5936 | 5936 | 4261 | 10197 | |
| McIntyre H | 5,6 | K | 23-17-30 | | | | | | 9712 | 9712 | |
| FIELD TOTAL | | | | | 3889 | | 3889 | 130258 | 134147 | 272439 | 406586 |

GETTY POOL

LOCATION: T. 20 S., R. 29 E. SW $\frac{1}{4}$ sec. 13, SE $\frac{1}{4}$ sec. 14, E $\frac{1}{2}$ sec. 23,
W $\frac{1}{2}$ sec. 24, NW $\frac{1}{4}$ sec. 25, NE $\frac{1}{4}$ sec. 26.

DISCOVERY DATE: November 1927.

DISCOVERY WELL: Getty Oil Co. No. 2 Dooley, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23-20-29.
T.D. 1368' in porous limestone of Yates. Initial
potential, pump 100 bbls. oil per day.

GRAVITY OF OIL: 19° to 24° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Limestone of lower Yates and upper Seven Rivers.

AVERAGE PRODUCING DEPTH: 1325' to 1405'.

DEEPEST TEST: Getty Oil Co. No. 7 Dooley, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 24-20-29.
T.D. 6683'. PB 1430'. Completed as commercial
producer. Top Salado, 400'; Base Salado, 960';
Top Yates, 1130'; Top Bone Springs, 6264'.
Elevation 3309'.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 8 |
| Pumping | 0 |
| Gas lift | 0 |
| Shut in | 1 |

GAS WELLS: 0

ABANDONED WELLS: 1

TOTAL WELLS DRILLED: 10

| | | | |
|------------------------|---------------|---------------|---------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 7 | 8 | 8 |
| Yearly production | 75,766 | 78,960 | 67,701 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 600,329 bbls. | 679,289 bbls. | 746,990 bbls. |

GAS PRODUCTION: small (none reported).

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 320 acres.

PER-ACRE RECOVERY to 1-1-46: 2334 bbls.

Combination drive type reservoir.

SUBSURFACE COMPLETION DATA - GETTY POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID AMT. INTERVAL | OIL STRING | | TUBING | | |
|------------------|-------------|------------------|----------|---------------|---------------------------|-------|------|-------------------------------|------------|------|--------|------|-------|
| | | | | | TEST | ELEV. | T.D. | | T.P. | SIZE | DEPTH | SIZE | DEPTH |
| GETTY OIL CO. | | | | | | | | | | | | | |
| Dooley | 8 | I | 23-20-29 | 9-6-43 | P-55 | 3299 | 1370 | 1343 | | 7 | 1324 | 3 | 1363 |
| " | 9 | P | " | 10-31-43 | P-45 | 3308 | 1394 | 1362 | | 6 | 1340 | 2 | 1387 |
| " | 10 | M | 24-20-29 | 3-22-44 | P-46 | 3312 | 1394 | 1344 | | 7 | 1340 | 2 | 1359 |

PRODUCTION DATA - GETTY POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE 1943 | | CUMULATIVE 1944 | | CUMULATIVE 1945 | | CUMULATIVE 1946 | |
|------------------|-------------|------------------|-----------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|-------|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 | PROD. |
| GETTY OIL CO. | | | | | | | | | | | |
| Dooley | 2 | A | 25-20-29) | | 13785) | | 18022) | | 21070) | | |
| " | 3 | D | 24-20-29) | | 13785) | | 8784) | | 5908) | | |
| " | 4 | G | 23-20-29) | | 13796) | | 8556) | | 4993) | | |
| " | 6 | L | 24-20-29) | | 13794) | | 9753) | | 6951) | | |
| " | 7 | E | ") | 516113 | 13807) | 585080 | 12025) | 642220 | 11468) | 692610 | |
| " | 8 | I | 23-20-29 | | 5080 | 5080 | 9214 | 14294 | 6517 | 20811 | |
| " | 9 | P | " | | 1719 | 1719 | 9729 | 11448 | 7419 | 18867 | |
| " | 10 | M | 24-20-29 | | | | 2877 | 2877 | 3375 | 6252 | |
| Nicholas | 1 | D | 25-20-29 | 7507 | | 7507 | | 7507 | | 661 | |
| Rowson | 1 | N | 13-20-29 | 943 | P&A | 943 | | 943 | | 943 | |
| FIELD TOTAL | | | | 524563 | 75766 | 600329 | 78960 | 679289 | 67701 | 746990 | |

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GRAYBURG-JACKSON POOL

LOCATION: T. 17 S., R. 29 E. S $\frac{1}{2}$ sec. 13, S $\frac{1}{2}$ sec. 14, all secs. 20 to 29, incl., N $\frac{1}{2}$ sec. 32, N $\frac{1}{2}$ sec. 33, N $\frac{1}{2}$ sec. 34, N $\frac{1}{2}$ sec. 35

T. 17 S., R. 30 E. S $\frac{1}{2}$ sec. 12, all secs. 13, 14, 15, 16, 17, S $\frac{1}{2}$ sec. 18, all secs. 19, 20, 21, N $\frac{1}{2}$ sec. 22, N $\frac{1}{2}$ sec. 23, N $\frac{1}{2}$ sec. 24, N $\frac{1}{2}$ sec. 29, all sec. 30

T. 17 S., R. 31 E. S $\frac{1}{2}$ sec. 7, S $\frac{1}{2}$ sec. 8, S $\frac{1}{2}$ sec. 9, all secs. 14 to 18, incl., N $\frac{1}{2}$ sec. 19, N $\frac{1}{2}$ sec. 20, all secs. 21, 22, 23, N $\frac{1}{2}$ sec. 26, N $\frac{1}{2}$ sec. 27, N $\frac{1}{2}$ sec. 28.

DISCOVERY DATE: March 1929.

DISCOVERY WELL: Flynn, Welch & Yates No. 1 Jackson, SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 13-17-30. T.D. 3560' in San Andres. Initial potential, 260 bbls. oil per day. Top Salado, 518'; Base Salado, 1265'; Top Yates, 1416' (estimated); Top Queen, 2350'; Top San Andres, 3070'.

GRAVITY OF OIL: 35.5° API.

AVERAGE THICKNESS OF PAY ZONE: 45'.

PRODUCING FORMATION: Dolomitic limestone of San Andres, also sand and limestone of Grayburg and Queen.

AVERAGE PRODUCING DEPTH: Queen, 2050' to 2125'; Grayburg and San Andres, 2350' to 3975'.

DEEPEST TEST: Grayburg Oil Co. No. 10 Keely A, sec. 24-17-29. Commenced 1945. Completed October 1946. T.D. 6854'. Temporarily abandoned. Correlation markers not released.

OIL WELLS, as of 1-1-46:

| | |
|----------|-----|
| Flowing | 171 |
| Pumping | 74 |
| Gas lift | 0 |
| Shut in | 5 |

GAS WELLS:

| | |
|-----------|---|
| Input | 5 |
| Producing | 0 |
| Shut in | 0 |

ABANDONED WELLS: 1

TOTAL WELLS DRILLED: 256

| | | | |
|---------------------------------|------------------|------------------|------------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 200 | 227 | 248 |
| Yearly production | 1,630,797 | 1,714,850 | 1,662,095 |
| Cumulative production to 1-1-44 | | to 1-1-45 | to 1-1-46 |
| | 12,958,125 bbls. | 14,672,975 bbls. | 16,335,070 bbls. |

GAS PRODUCTION: estimated, cumulative to 1-1-46, 25,720 million cu. ft.

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 9920 acres.

PER-ACRE RECOVERY to 1-1-46: 1647 bbls.

Reservoir data has been developed for Grayburg Repressure Unit, but is not available for publication at this time.

SUBSURFACE COMPLETION DATA - GRAYBURG-JACKSON POOL

| COMPANY LEASE | W L | U T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|-----------------------------|--------|--------|----------|---------------|-----------------------------------|-------|------|------|--------------|-----------|------------|-------|--------|-------|
| | | | | | | | | | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| AMERICAN REPUBLICS CORP. | | | | | | | | | | | | | | |
| Robinson B | 4 | A | 35-17-29 | 7-27-45 | F-528 | 3563 | 3191 | 3120 | 6000g | 3050-3191 | 7 | 3050 | 2 | 3186 |
| " | 5 | B | " | 9-29-45 | F-36 | 3555 | 3162 | 3054 | 10000g | 3008-3162 | 7 | 3008 | 2 | 3147 |
| " | 6 | C | " | 12-4-45 | F-120 | 3541 | 3220 | 3115 | 7000g | 3094-3220 | 7 | 3055 | 2 | 3214 |
| BAY PETROLEUM CORP. | | | | | | | | | | | | | | |
| H. Leonard | 1 | C | 33-17-29 | 3-7-44 | F-80 | 3553 | 2740 | 2444 | 610q | 2440-2732 | 7 | 2265 | 2 | 2722 |
| M. Leonard | 1 | B | " | 8-10-45 | P-12 | 3553 | 2960 | 2900 | 14000g | 2929-2960 | 5 1/2 | 2754 | 2 | 2960 |
| Leonard- State | 1 | N | 28-17-29 | 4-30-44 | F-90 | 3566 | 2945 | 2650 | 4000g | 2605-2945 | 7 | 2605 | 2 | 2920 |
| DANCIGER OIL & REFINING CO. | | | | | | | | | | | | | | |
| Turner B | 11 | | 20-17-31 | 4-18-43 | F-96 | 3723 | 3506 | 3482 | 3000g | 2825-3506 | 7 | 2825 | 2 | 3476 |
| ETZ OIL CO. | | | | | | | | | | | | | | |
| Etz-State | 8 | E | 16-17-30 | 8-21-44 | F-75 | 3673 | 2082 | 2064 | 60q | 2065-2082 | 7 | 1800 | 2 | 2050 |
| FRANKLIN PETROLEUM CORP. | | | | | | | | | | | | | | |
| Beason B | 1 | C | 29-17-30 | 10-23-44 | P&A | 3593 | 3440 | | | | | | | |
| McIntyre B | 2 | M | 20-17-30 | 5-28-44 | F-135 | 3621 | 3346 | 3247 | | | 7 | 3075 | 2 | 3300 |
| GRAYBURG OIL CO. | | | | | | | | | | | | | | |
| Burch A | 14 | O | 18-17-30 | 10-30-43 | Swb-20 | 3650 | 3185 | 3121 | | | 7 | 2903 | 2 | 3050 |
| " B | 8 | H | 23-17-29 | 3-26-43 | F-600 | 3598 | 2904 | 2564 | 7500g | 2564-2904 | 7 | 2564 | 2 | 2735 |
| " | 9 | D | 30-17-30 | 2-15-44 | F-504 | 3614 | 3240 | 3105 | 3500g | 2890-3240 | 7 | 2890 | 2 | 3089 |
| " | 10 | C | " | 4-20-44 | F-200 | 3612 | 3246 | 3122 | 4500g | 3122-3246 | 7 | 2911 | 2 | 3104 |
| " | 11 | E | " | 6-10-44 | F-260 | 3607 | 3254 | 3186 | | | 7 | 2918 | 2 | 2116 |
| " | 12 | F | " | 7-9-45 | F-186 | 3610 | 3250 | 3227 | 5500g | 3227-3250 | 7 | 3195 | 2 | 3208 |
| Dexter | 1 | F | 24-17-29 | 1-26-44 | F-398 | 3602 | 2977 | 2880 | 4500g | 2880-2977 | 7 | 2691 | 2 | 2856 |
| Keeley A | 6 | L | " | 9-29-43 | F-321 | 3595 | 2944 | 2786 | 4500g | 2732-2944 | 7 | 2732 | 2 | 2918 |
| " | 7 | K | " | 9-29-43 | F-321 | 3599 | 2910 | 2890 | | | 7 | 2738 | 2 | 2807 |
| " | 8 | J | " | 11-12-43 | F-600 | 3612 | 2925 | 2895 | | | 7 | 2752 | 2 | 2844 |
| " | 9 | E | " | 12-14-43 | F-504 | 3595 | 2939 | 2850 | 3500g | 2850-2939 | 7 | 2749 | 2 | 2840 |
| " B | 1 | D | 26-17-29 | 5-6-43 | F-390 | 3580 | 2918 | 2795 | 6500g | 2795-2918 | 7 | 2509 | 2 | 2902 |
| " | 2 | N | 24-17-29 | 5-24-43 | F-338 | 3591 | 2995 | 2920 | 4000g | 2920-2995 | 7 | 2715 | 2 | 2853 |
| " | 3 | M | " | 9-8-43 | F-173 | 3589 | 2938 | 2830 | 9500g | 2830-2938 | 7 | 2705 | 2 | 2792 |
| " | 4 | A | 26-17-29 | 3-30-44 | F-213 | 3589 | 2950 | 2825 | 8500g | 2825-2950 | 7 | 2772 | 2 | 2800 |
| " | 5 | B | 26-17-29 | 2-15-44 | F-250 | 3593 | 2968 | 2858 | | | 7 | 2810 | 2 | 2835 |

SUBSURFACE COMPLETION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W L | U I | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|------------------------------|--------|--------|----------|---------------|-----------------------------------|-------|-------|------|--------------|-----------|------------|-------|--------|-------|
| | | | | | | | | | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| GRAYBURG OIL CO. - continued | | | | | | | | | | | | | | |
| Keeley B | 9 | J | 26-17-29 | 9-26-44 | F-350 | 3575 | 3103 | 2934 | 3000g | 2934-3103 | 7 | 2930 | 2 | 2922 |
| " | 10 | I | " | 11-27-44 | F-795 | 3578 | 3166 | 3082 | 3250g | 3082-3166 | 7 | 2980 | 2 | 3058 |
| " | 11 | O | " | 10-11-45 | F-236 | 3573 | 3126 | 3030 | 7500g | 3030-3126 | 7 | 2976 | 2 | 3028 |
| " | 12 | P | " | 10-10-45 | F-552 | 3580 | 3212 | 3040 | 1700g | 3040-3212 | 7 | 3034 | 2 | 3118 |
| LEONARD OIL CO. | | | | | | | | | | | | | | |
| State | 11 | O | 28-17-29 | 9-30-44 | F-90 | 3557 | 3063 | 2842 | 14000g | 2842-3063 | 7 | 2750 | 2 | 2850 |
| " | 12 | J | " | 12-5-45 | F-120 | 3563 | 2800 | 2758 | 9000g | 2758-2800 | 7 | 2750 | 2 | 2780 |
| MURCHISON & CLOSUIT, INC. | | | | | | | | | | | | | | |
| State | 3 | P | 16-17-31 | 5-31-44 | F-90 | 3843 | 3670 | 3640 | 2000g | 3640-3670 | 7 | 3165 | 2 | 3177 |
| REPOLLO OIL CO. | | | | | | | | | | | | | | |
| Keel A | 6 | P | 7-17-31 | 6-21-44 | P-25 | 3711 | 3485 | 3465 | 5000g | 3141-3485 | 7 | 3141 | 2 | 3481 |
| " | 7 | L | " | 9-15-45 | P-40 | 3717 | 3576 | 3357 | 8000g | 3357-3576 | 7 | 3117 | 2 | 3564 |
| " B | 2 | M | 8-17-31 | 10-13-44 | P-40 | 3711 | 3482 | 3410 | 5000g | 3410-3482 | 7 | 2853 | 2 | 3443 |
| " | 3 | N | " | 1-19-45 | P-24 | 3715 | 3490 | 3440 | 2000g | 3440-3490 | 7 | 2930 | 2 | 3470 |
| " | 4 | O | " | 5-12-45 | P-18 | 3743 | 3279 | 3026 | 7000g | 2985-3279 | 7 | 2900 | 2 | 3256 |
| McIntyre D | 6 | N | 20-17-30 | 10-17-44 | P&A | 3623 | 3428 | | | | 7 | 3006 | | |
| " | 7 | H | 17-17-30 | 12-31-44 | P-20 | 3673 | 2109 | 2060 | 60q | 2075-2091 | 8 | 1980 | 2 | 2100 |
| SKELLY OIL CO. | | | | | | | | | | | | | | |
| Dow A | 2 | M | 15-17-31 | 12-31-44 | P-15 | 3846 | 3716) | 3403 | 40q | 3401-3426 | 7 | 3091 | 2 | 3435 |
| " | 3 | D | 21-17-31 | 1-15-43 | F-455 | 3741 | 3555 | 3425 | | | 7 | 2845 | 2 | 3495 |
| " | 4 | E | " | 5-13-43 | P-30 | 3746 | 3571) | 3513 | 200q | 3461-3554 | 7 | 2845 | 2 | 3554 |
| " | 5 | B | " | 8-23-43 | P-97 | 3784 | 3638) | 3336 | 320q | 3328-3618 | 7 | 2948 | 2 | 3615 |
| " | 6 | F | " | 10-31-43 | F-105 | 3767 | 3585) | 3268 | 160q | 3265-3585 | 7 | 2907 | 2 | 3580 |
| " | 7 | A | " | 3-14-44 | P-50 | 3828 | 3671) | 3590 | 130q | 3590-3654 | 7 | 3011 | 2 | 3620 |
| " | | | | | | | 3655) | | | | | | | |
| Lea-State | 2 | M | 14-17-31 | 1-31-45 | P-60 | 3890 | 3840 | 3790 | 150q | 3288-3835 | 7 | 3205 | 2 | 3830 |
| " | 3 | G | 23-17-31 | 1-31-45 | F-105 | 3879 | 3860) | 3410 | 320q | 3410-3620 | 7 | 3255 | 2 | 3847 |
| " | | | | | | | 3850) | | | | | | | |
| " | 4 | C | " | 4-23-45 | P-43 | 3884 | 3854) | 3530 | 130q | 3535-3575 | 7 | 3250 | 2 | 3555 |
| " | | | | | | | 3585) | | | | | | | |
| " | 5 | H | " | 4-23-45 | F-194 | 3886 | 3855 | 3600 | | | 5 1/2 | 3265 | 2 | 3850 |

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SUBSURFACE COMPLETION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|---|--------|-------------|----------|---------------|-----------------------------------|-------|-------|------|--------------|-----------|------------|-------|--------|---------|
| | | | | | | | | | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| SKELLY OIL CO. - continued | | | | | | | | | | | | | | |
| Lea-State | 6 | J | 14-17-31 | 7-17-45 | P-76 | 3907 | 3876) | 3395 | 150q | 3630-3713 | 7 | 3311 | 2 | 3660 |
| " | 7 | A | 23-17-31 | 9-30-45 | P-20 | 3891 | 3886) | 3617 | 210q | 3617-3642 | 7 | 3290 | 2 | 3290 |
| " | 8 | P | 14-17-31 | 12-16-45 | F-80 | 3907 | 3899) | 3529 | 355q | 3529-3740 | 7 | 3318 | 2 | 3730 |
| Lynch B | 1 | H | 27-17-31 | 1-11-43 | P&A | 3821 | 4377 | | | | 7 | 3330 | | |
| SUPERIOR OIL OF TULSA (Purchased by Sunray Oil Corp.) | | | | | | | | | | | | | | |
| Foster | 2 | J | 17-17-31 | 2-13-43 | F-43 | 3701 | 3468 | 3440 | 50q | 2968-2985 | 7 | 2900 | 2 | 3420 |
| " | 3 | F | " | 6-20-43 | F-80 | 3729 | 3520 | 3367 | 440q | 3368-3510 | 7 | 2913 | 2 | 3370 |
| " | 4 | C | " | 12-31-43 | F-50 | 3710 | 3505 | 3425 | 600q | 3310-3500 | 7 | 2908 | 2 | 3336 |
| " | 5 | B | " | 4-30-44 | F-50 | 3739 | 3592) | 3210 | 250q | 3210-3265 | 7 | 2964 | 2 | 3198 |
| WESTERN PRODUCTION CO. | | | | | | | | | | | | | | |
| Burch C | 5 | P | 19-17-30 | 1-20-43 | F-225 | 3618 | 3287 | 2692 | | | 7 | 2630 | 2 | 3260 |
| " | 6 | O | 23-17-29 | 2-14-43 | F-100 | 3578 | 2869 | 2730 | | | 7 | 2385 | 2 | 2820 |
| " | 7 | I | " | 5-2-43 | F-300 | 3589 | 2929 | 2780 | 9500g | 2780-2929 | 7 | 2454 | 2 | 2765 |
| " | 8 | P | " | 5-10-43 | F-160 | 3581 | 2933 | 2805 | 8700g | 2805-2933 | 7 | 2504 | 2 | 2787 |
| " | 9 | B | 30-17-30 | 6-7-44 | F-46 | 3616 | 3320) | 3216 | 7500g | 3216-3294 | 7 | 2681 | 2 | 3179 |
| Keely C | | | | | | | | | | | | | | |
| " | 5 | O | 24-17-29 | 3-13-43 | F-354 | 3602 | 2975 | 2785 | | | 7 | 2741 | 2 | 2936 |
| " | 6 | C | 26-17-29 | 2-27-43 | F-260 | 3578 | 2868 | 2766 | 500g | 2766-2868 | 7 | 2452 | 2 | 2844 |
| " | 7 | B | 25-17-29 | 6-22-43 | F-760 | 3603 | 3104 | 2940 | | | 7 | 2817 | 2 | 1/22997 |
| " | 8 | A | " | 8-1-43 | F-636 | 3602 | 3120 | 3027 | | | 7 | 2848 | 2 | 1/23013 |
| " | 9 | F | 26-17-29 | 6-10-45 | F-150 | 3575 | 3086 | 2806 | | | 7 | 2784 | 2 | 2990 |
| " | 10 | E | 25-17-29 | 2-14-45 | F-344 | 3596 | 3165 | 3118 | 4500g | 3118-3165 | 7 | 3001 | 2 | 3041 |
| " | 11 | F | " | 11-13-44 | F-450 | 3601 | 3185 | 3104 | 5500g | 3104-3185 | 7 | 3000 | 2 | 3100 |
| " | 12 | G | " | 5-24-44 | F-200 | 3596 | 3112 | 3047 | 6500g | 3047-3112 | 7 | 2860 | 2 | 2972 |
| " | 13 | H | " | 7-8-44 | F-350 | 3599 | 3242 | 3060 | 4500g | 3060-3242 | 7 | 2912 | 2 | 3100 |
| " | 17 | L | " | 4-20-45 | F-373 | 3579 | 3210 | 3137 | 4000g | 3137-3210 | 7 | 3010 | 2 | 3199 |
| " | 18 | K | " | 9-10-44 | F-165 | 3580 | 3200 | 3200 | | | | | | |

| COMPANY LEASE | E L | N I | S-T-R | COMP. DATE | DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|--|--------|--------|----------|---------------|------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|
| WOOLLEY, ROLAND RICH | | | | | | | | | | | |
| Woolley C | 2 | F | 28-17-30 | 1-22-45 | P&A | 3634 | 3585 | | 190q 1888-1925 | | |
| YATES, HARVEY E. Leonard- State | | | | | | | | | | | |
| | 1 | M | 28-17-29 | 7-9-45 | P&A | 3567 | 3130 | | | | |

PRODUCTION DATA - GRAYBURG-JACKSON POOL

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| COMPANY LEASE | W L | U I | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---------------------------------|--------|--------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| AMERICAN REPUBLICS CORP. | | | | | | | | | | |
| Robinson A | 2 | A | 34-17-29 | 80464 | 2878 | 83342 | 2881 | 86223 | 2642 | 88865 |
| " B | 1 | A | 27-17-29 | 24550 | 4586 | 29136 | 5048 | 34184 | 4322 | 38506 |
| " | 2 | B | " | 15441 | 2836 | 18277 | 1957 | 20234 | 2030 | 22264 |
| " | 3 | P | " | 10471 | | 10471 | | 10471 | | 10471 |
| " | 4 | A | 35-17-29 | | | | | | 4389 | 4389 |
| " | 5 | B | " | | | | | | 3040 | 3040 |
| " | 6 | C | " | | | | | | | |
| Russell | 4 | D | 18-17-31 | 106609 | 13194 | 119803 | 10117 | 129920 | 6565 | 136485 |
| " | 5 | E | " | 90420 | 8822 | 99242 | 5006 | 104248 | 4292 | 108540 |
| " | 6 | C | " | 107842 | 12254 | 120096 | 10784 | 130880 | 9763 | 140643 |
| " | 7 | F | " | 107699 | 12254 | 119953 | 10436 | 130389 | 9727 | 140116 |
| " | 8 | G | " | 35623 | 12852 | 48475 | 11174 | 59649 | 10144 | 19763 |
| " | 9 | B | " | 33339 | 12429 | 45768 | 10961 | 56729 | 10144 | 66873 |
| ASTON & FAIR | | | | | | | | | | |
| Hudson | 1 | A | 18-17-31 | 38248 | 8701 | 46949 | 6209 | 53158 | 5566 | 58724 |
| " | 2 | H | " | 36163 | 8700 | 44863 | 6207 | 51070 | 5565 | 56635 |
| " | 3 | E | 17-17-31 | 17332 | 8701 | 26033 | 6207 | 32240 | 5564 | 37804 |
| " | 4 | D | " | 8626 | 8699 | 17325 | 6204 | 23529 | 5562 | 29091 |
| BARNSDALL OIL CO. | | | | | | | | | | |
| Dodd | 1 | N | 22-17-29) | | 2814) | | 2773) | | 2734) | |
| | 2 | I | ") | | 5815) | | 4721) | | 4221) | |

PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W E L | U N L | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-------------------------------|-------------|-------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| BARNSDALL OIL CO. - continued | | | | | | | | | | |
| Dodd | 3 | H | 22-17-29) | | 1745) | | 1155) | | 1696) | |
| " | 4 | P | ") | | 6481) | | 6352) | | 5436) | |
| " | 5 | O | ") | | 1506) | | 1465) | | 871) | |
| " | 6 | J | ") | 262234 | 2524) | 283119 | 2886) | 302471 | 2542) | 319971 |
| BAY PETROLEUM CO. | | | | | | | | | | |
| Leonard | 1 | C | 33-17-29 | | | | 5373 | 5373 | 5222 | 10595 |
| " | 1 | B | " | | | | | | 822 | 822 |
| Leonard-State | 1 | N | 28-17-29 | | | | 4202 | 4202 | 4330 | 8532 |
| CARPER DRILG. CO. | | | | | | | | | | |
| Gissler | 1 | C | 23-17-30 | 33431 | 7903 | 41334 | 6246 | 47580 | 5524 | 53104 |
| " | 3 | F | " | 31868 | 7904 | 39772 | 8971 | 48743 | 9173 | 57916 |
| DANCIGER OIL & REFINING CO. | | | | | | | | | | |
| Turner A | 2 | L | 18-17-31 | 99732 | 14309 | 114041 | 13392 | 127433 | 11572 | 139005 |
| " | 3 | K | " | 99733 | 14308 | 114041 | 14081 | 128122 | 11573 | 139695 |
| " | 4 | M | " | 99731 | 14309 | 114040 | 14081 | 128121 | 11574 | 139695 |
| " | 5 | D | 19-17-31 | 99734 | 14310 | 114044 | 12804 | 126848 | 11574 | 138422 |
| " | 6 | N | 18-17-31 | 35725 | 14310 | 50035 | 14083 | 64118 | 11576 | 75694 |
| " | 7 | C | 19-17-31 | 34285 | 14311 | 48596 | 14083 | 62679 | 11576 | 74255 |
| " | 8 | O | 18-17-31 | 31362 | 14311 | 45673 | 14082 | 59755 | 11576 | 71331 |
| " | 9 | B | 19-17-31 | 27000 | 14311 | 41311 | 14082 | 55393 | 11576 | 66969 |
| " | 10 | J | 18-17-31 | 22941 | 14312 | 37253 | 14082 | 51335 | 11577 | 62912 |
| " | 11 | P | " | 23703 | 14314 | 38017 | 14083 | 52100 | 11577 | 63677 |
| " | 12 | A | 19-17-31 | 17856 | 14314 | 32170 | 14084 | 46254 | 11577 | 57831 |
| " | 13 | I | 18-17-31 | 13377 | 14315 | 27692 | 14085 | 41777 | 11577 | 53354 |
| " | 14 | E | 19-17-31 | 12731 | 14314 | 27045 | 14085 | 41130 | 11577 | 52707 |
| " | 15 | F | " | 9440 | 14315 | 23755 | 14087 | 37842 | 11577 | 49419 |
| " | 1 | P | 17-17-31 | 43867 | 15166 | 59033 | 15994 | 75027 | 13180 | 88207 |
| " | 2 | M | " | 19678 | 15167 | 34845 | 15994 | 50839 | 13181 | 64020 |
| " | 3 | D | 20-17-31 | 17134 | 15167 | 32301 | 15996 | 48297 | 13181 | 61478 |
| " | 4 | N | 17-17-31 | 12626 | 15167 | 27793 | 15996 | 43789 | 13181 | 56970 |
| " | 5 | L | " | 8878 | 15166 | 24044 | 15996 | 40040 | 13181 | 53221 |
| " | 6 | C | 20-17-31 | 8466 | 15166 | 23632 | 15997 | 39629 | 13182 | 52811 |
| " | 7 | O | 17-17-31 | 7805 | 15167 | 22972 | 16001 | 38973 | 13183 | 52156 |

PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---------------------------------|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|-----------------|-------------------------|
| ETZ BROS. | | | | | | | | | | |
| Etz-State | 8 | E | 16-17-30 | | | | 2704 | 2704 | 5548 | 8252 |
| Hansen-State | 2 | L | " | 37640 | 3836 | 41476 | 3928 | 45404 | 2021 | 47425 |
| Humble-State | 1 | N | " | 65137 | 2743 | 67880 | 2536 | 70416 | 1412 | 71828 |
| " | 3 | K | " | 27557 | 2602 | 30159 | 2260 | 32419 | 1275 | 33694 |
| " | 4 | P | " | 41611 | 2304 | 43915 | 1921 | 45836 | 1405 | 47241 |
| " | 5,5A | I | " | 20299 | 1103 | 21402 | 915 | 22317 | 653 | 22970 |
| " | 6 | G | " | 13642 | 5173 | 18815 | 2862 | 21677 | 3437 | 25114 |
| " | 7 | F | " | 11879 | 3794 | 15673 | 1200 | 16873 | 2111 | 18984 |
| State J | 1 | O | " | 53425 | 2332 | 55757 | 2378 | 58135 | 1339 | 59474 |
| " | 2 | J | " | 18106 | 5084 | 23190 | 4390 | 27580 | 2030 | 29610 |
| FLINT PROD. CO. | | | | | | | | | | |
| Berry A | 1 | C | 21-17-30 | 83403 | 8748 | 92151 | 7716 | 99867 | 7337 | 107204 |
| " | 2 | F | " | 70224 | 4246 | 74470 | 3507 | 77977 | 3302 | 81279 |
| " | 3 | E | " | 74877 | 4446 | 79323 | 3575 | 82898 | 3302 | 86200 |
| Dexter L | 1 | J | 15-17-30 | 867 | | 867 | | 867 | | 867 |
| Flint B | 1 | M | 14-17-30 | 92535 | 4576 | 97111 | 5496 | 102607 | 5205 | 107812 |
| Jenkins B | 1 | E | 20-17-30 | 41974 | 3828 | 45802 | 1595 | 47397 | 927 | 48324 |
| " | 2 | D | " | 38985 | 2258 | 41243 | 1053 | 42296 | 738 | 43034 |
| " | 3 | C | " | 42103 | 3223 | 45326 | 1543 | 46869 | 926 | 47795 |
| " | 4 | F | " | 19267 | 6496 | 25763 | 2407 | 28170 | 926 | 29096 |
| FRANKLIN PETROLEUM CORP. | | | | | | | | | | |
| McIntyre A | 1 | I | " | 61525 | 4594 | 66119 | 2491 | 68610 | 1879 | 70489 |
| " | 3 | J | " | 18284 | 3182 | 21466 | 2930 | 24396 | 2115 | 26511 |
| " B | 1 | L | " | 43560 | 2527 | 46087 | 5524 | 51611 | 7806 | 59417 |
| " | 2 | M | " | | | | 4858 | 4858 | 7801 | 12659 |
| GETTY OIL CO. | | | | | | | | | | |
| State E | 1 | M | 16-17-31 | 51867 | 7089 | 58956 | 6047 | 65003 | 5981 | 70984 |
| GRAYBURG OIL CO. | | | | | | | | | | |
| Burch A | 2 | L | 19-17-30 | 137468 | 7040 | 144508 | 6024 | 150532 | 6274 | 154806 |
| " | 3 | E | " | 250355 | 5511 | 255866 | 6084 | 261950 | 5619 | 267569 |
| " | 4 | F | " | 360282 | 15989 | 376271 | 13579 | 389850 | 15167 | 405017 |
| " | 5 | G | " | 439013 | 17454 | 456467 | 15101 | 471568 | 14958 | 486526 |
| " | 6 | H | " | 182870 | 12888 | 195758 | 10035 | 205793 | 8157 | 213950 |
| " | 7 | B | " | 127296 | 12942 | 140238 | 12469 | 152707 | 11122 | 163829 |
| " | 8 | C | " | 17247 | 1196 | 18443 | 276 | 18719 | Input Well) | 18719 |

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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------------------|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| GRAYBURG OIL CO. - continued | | | | | | | | | | |
| Burch A | 9 | D | 19-17-30 | 23547 | 4660 | 28207 | 5005 | 33212 | 3308 | 36520 |
| " | 10 | A | " | 18382 | 1195 | 19577 | 1192 | 20769 | 1272 | 22041 |
| " | 11 | I | " | 58478 | 6469 | 64947 | 4967 | 69914 | 4336 | 74250 |
| " | 12 | J | " | 81875 | 10626 | 92501 | 7198 | 99699 | 9621 | 109320 |
| " | 13 | K | " | 48830 | 10478 | 59308 | 5915 | 65223 | 4290 | 69513 |
| " | 14 | O | 18-17-30 | | | | 1522 | 1522 | 4962 | 6484 |
| " B | 1 | N | 19-17-30 | 12933 | 9716 | 22649 | 10317 | 32966 | 5369 | 38335 |
| " | 2 | M | 23-17-29 | 13274 | 11961 | 25235 | 8301 | 33536 | 6711 | 40247 |
| " | 3 | L | " | 10384 | 11886 | 22270 | 7279 | 29549 | 4562 | 34111 |
| " | 4 | C | " | 7999 | 11768 | 19767 | 3391 | 28158 | 5814 | 33972 |
| " | 5 | K | " | 6112 | 11652 | 17764 | 7486 | 25250 | 6789 | 32039 |
| " | 6 | M | 19-17-30 | 8007 | 15881 | 23888 | 16230 | 40118 | 15789 | 55907 |
| " | 7 | G | 23-17-29 | 4209 | 14579 | 18788 | 10761 | 29549 | 8227 | 37776 |
| " | 8 | H | " | | 10658 | 10658 | 10949 | 21607 | 8236 | 29843 |
| " | 9 | D | 30-17-30 | | | | 14406 | 14406 | 15635 | 30041 |
| " | 10 | C | " | | | | 11003 | 11003 | 15497 | 26500 |
| " | 11 | E | " | | | | 8984 | 8984 | 13494 | 22478 |
| " | 12 | F | " | | | | | | 3054 | 3054 |
| Dexter | 1 | F | 24-17-29 | | | | 15344 | 15344 | 13185 | 28529 |
| Keely A | 2 | H | " | 300070 | 6206 | 306276 | 6184 | 312460 | 4608 | 317068 |
| " | 3 | A | " | 68874 | 6344 | 75218 | 6179 | 81329 | 4563 | 85960 |
| " | 4 | G | " | 41248 | 7365 | 48613 | 8100 | 56713 | 6506 | 63219 |
| " | 5 | I | " | 18328 | 6922 | 25250 | 7964 | 33214 | 6571 | 39785 |
| " | 6 | L | " | | 4350 | 4350 | 16786 | 21136 | 12842 | 33978 |
| " | 7 | K | " | | 4321 | 4321 | 16794 | 21115 | 12038 | 33153 |
| " | 8 | J | " | | 2417 | 2417 | 16695 | 19112 | 15805 | 34917 |
| " | 9 | E | " | | | | 16809 | 16809 | 14224 | 31033 |
| " B | 1 | B | 26-17-29 | | 10090 | 10090 | 15016 | 25106 | 11424 | 36530 |
| " | 2 | N | 24-17-29 | | 9069 | 9069 | 17768 | 26837 | 14288 | 41125 |
| " | 3 | M | " | | 5348 | 5348 | 16850 | 22198 | 13131 | 35329 |
| " | 4 | A | 26-17-29 | | | | 11321 | 11321 | 13025 | 24346 |
| " | 5 | D | 25-17-29 | | | | 14740 | 14740 | 15783 | 30523 |
| " | 6 | C | " | | | | 16189 | 16189 | 15830 | 32019 |
| " | 7 | G | 26-17-29 | | | | | | 13236 | 13236 |
| " | 8 | H | " | | | | 6822 | 6822 | 14461 | 21283 |

PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------|-------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| GRAYBURG OIL CO. - continued | | | | | | | | | | |
| Keely B | 9 | J | 26-17-29 | | | | 4186 | 4186 | 14645 | 18831 |
| " | 10 | I | " | | | | 1402 | 1402 | 15719 | 17121 |
| " | 11 | O | " | | | | | | 2730 | 2730 |
| " | 12 | P | " | | | | | | 2731 | 2731 |
| LEONARD OIL CO. | | | | | | | | | | |
| State | 9 | F | 22-17-29) | | 776 | 776 | 706 | 1482 | 716 | 2198 |
| " | 10 | M | ") | 15300 | 777 | 16077 | 706 | 16783 | 721 | 17504 |
| " | 11 | O | 28-17-29 | | | | 3887 | 3887 | 12266 | 16153 |
| " | 12 | J | " | | | | | | 659 | 659 |
| MACY-TALLMADGE, CARL FOLKNER, TRUSTEE | | | | | | | | | | |
| State B | 1 | N | 16-17-31 | 25940 | 7036 | 32976 | 6121 | 39007 | 3309 | 42406 |
| McLAUGHLIN, C. T. (Formerly W. K. Royalty Co.) | | | | | | | | | | |
| State B | 1 | G | 16-17-31 | 44525 | 2875 | 47400 | 2357 | 49757 | 2053 | 51810 |
| " | 2 | B | " | 43547 | 2981 | 46528 | 2196 | 48724 | 1748 | 50472 |
| MURCHISON & CLOSUIT, INC. | | | | | | | | | | |
| State A | 1 | K | " | 74665 | 10921 | 85586 | 9402 | 94988 | 7207 | 102195 |
| " | 2 | L | " | 55964 | 6472 | 62436 | 5906 | 68342 | 6395 | 74737 |
| " B | 1 | J | " | 73020 | 11509 | 84529 | 11909 | 96438 | 9624 | 106062 |
| " | 2 | O | " | 24247 | 11456 | 35703 | 11002 | 46705 | 9647 | 56352 |
| " | 3 | P | " | | | | 9649 | 9649 | 14832 | 24481 |
| " C | 1 | H | " | 27994 | 2576 | 30570 | 1875 | 32445 | 1514 | 33959 |
| Superior | 1 | I | 17-17-31 | 30026 | 3763 | 33789 | 4110 | 37899 | 3497 | 41396 |
| " | 2 | K | " | 7900 | 5588 | 13488 | 4099 | 17587 | 3689 | 21276 |
| NASH, WINDFOHR & BROWN | | | | | | | | | | |
| Gissler A | 2 | O | 12-17-30) | | 4529) | | 3443) | | 3744) | |
| " | 3 | N | 14-17-30) | | 4529) | | 3445) | | 2074) | |
| " | 4 | P | ") | | 4526) | | 3447) | | 4670) | |
| " | 5 | I | ") | | 4529) | | 3451) | | 2818) | |
| " | 6 | A | 23-17-30) | | 4528) | | 3452) | | 2818) | |
| " | 7 | O | 14-17-30) | | 4530) | | 3452) | | 2820) | |
| " | 8 | B | 23-17-30) | | 4529) | | 3453) | | 2819) | |
| " | 9 | H | 14-17-30) | | 4529) | | 3453) | | 1708) | |
| " | 10 | J | ") | | 4531) | | 3453) | | 3748) | |
| " B | 1 | L | ") | | 4798) | | 2864) | | 4547) | |
| " | 2 | D | 24-17-30) | 1038964 | 4797) | 1089319 | 2869) | 1126101 | 1524) | 1159391 |

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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---|--------|-------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| NASH, WINDFOHR & BROWN - continued | | | | | | | | | | |
| Jackson A | 2 | A | 13-17-30 | 150058 | 13466 | 163524 | 6728 | 170252 | 4468 | 174720 |
| " | 3 | J | " | 149474 | 13601 | 163075 | 6728 | 169803 | 6069 | 175872 |
| " | 4 | D | " | 150058 | 13469 | 163527 | 6729 | 170256 | 4470 | 174726 |
| " | 5 | G | " | 150062 | 13467 | 163529 | 6732 | 170261 | 4471 | 174732 |
| " | 6 | I | " | 150062 | 13470 | 163532 | 6734 | 170266 | 4471 | 174737 |
| " | 7 | O | " | 149479 | 13598 | 163077 | 6734 | 169811 | 6073 | 175884 |
| " | 8 | P | " | 150554 | 13828 | 164382 | 6736 | 171118 | 4671 | 175789 |
| " | 9 | B | 24-17-30 | 150550 | 13827 | 164377 | 6736 | 171113 | 2927 | 174040 |
| " | 10 | A | " | 150556 | 13829 | 164385 | 6739 | 171124 | 5120 | 176244 |
| " | 11 | H | 13-17-30 | 40768 | 13468 | 54236 | 6740 | 60976 | 4469 | 65445 |
| " | 12 | P | 12-17-30 | 37852 | 13469 | 51321 | 6739 | 58060 | 4846 | 62906 |
| " | 13 | N | " | 34041 | 13469 | 47510 | 6739 | 54249 | 4847 | 59096 |
| " B | 1 | C | 24-17-30 | 47898 | 14646 | 62544 | 12536 | 75080 | 6844 | 81924 |
| " | 3 | G | " | 12654 | 14647 | 27301 | 12537 | 39838 | 6439 | 46277 |
| Stevens A | 1 | K | 13-17-30 | 298296 | 12064 | 310360 | 6786 | 317146 | 4845 | 321991 |
| " | 2 | L | " | 206342 | 12069 | 218411 | 6788 | 225199 | 4167 | 229366 |
| " | 3 | F | " | 206934 | 12008 | 218942 | 6788 | 225730 | 4384 | 230114 |
| " | 4 | M | " | 206344 | 12070 | 218414 | 6788 | 225202 | 7332 | 232534 |
| " | 5 | N | " | 206832 | 11965 | 218797 | 6793 | 225590 | 6374 | 231964 |
| " B | 1 | E | " | 38604 | 2592 | 41196 | 1688 | 42884 | 1183 | 44067 |
| " | 2 | C | " | 38619 | 2591 | 41210 | 1692 | 42902 | 1176 | 44078 |
| PREMIER PETROLEUM CO. | | | | | | | | | | |
| Dexter E | 1 | B | 20-17-30 | 96137 | 7382 | 103519 | 6383 | 109902 | 4506 | 114408 |
| " | 2 | G | " | 90423 | 3156 | 93579 | 2420 | 95999 | 2642 | 98641 |
| McIntyre F | 1 | I | 17-17-30 | 5663 | 3578 | 9241 | 3411 | 12652 | 2593 | 15245 |
| " G | 1 | B | 21-17-30 | 54043 | 3583 | 57626 | 1505 | 59131 | 1676 | 60807 |
| Parke E | 1 | G | 22-17-30 | 23871 | 2008 | 25879 | 1737 | 27616 | 1590 | 29206 |
| REPOLLO OIL CO. | | | | | | | | | | |
| Keel A | 2 | M | 7-17-31 | 107597 | 8413 | 116010 | 9649 | 125659 | 10723 | 136382 |
| " | 3 | N | " | 104781 | 11891 | 116672 | 10120 | 126792 | 5228 | 132020 |
| " | 4 | K | " | 108960 | 11594 | 120554 | 10620 | 131174 | 10756 | 141930 |
| " | 5 | O | " | 15260 | 7488 | 22748 | 4824 | 27572 | 3614 | 31186 |
| " | 6 | P | " | | | | 3016 | 3016 | 5263 | 8279 |
| " | 7 | L | " | | | | | | 2738 | 2738 |
| "B | 2 | M | 8-17-31 | | | | 1055 | 1055 | 4124 | 5179 |
| " | 3 | N | " | | | | | | 3280 | 3280 |

PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-----------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| REPOLLO OIL CO. - continued | | | | | | | | | | |
| Keel B | 4 | O | 8-17-31 | | | | | | 1280 | 1280 |
| McIntyre C | 1 | D | 21-17-30 | 39767 | 3549 | 43316 | 3239 | 46555 | 2778 | 49333 |
| " | 2 | A | 20-17-30 | 38447 | 2850 | 41297 | 2577 | 43874 | 1962 | 45836 |
| " | 3 | H | " | 54298 | 10770 | 65068 | 8705 | 73773 | 6982 | 80755 |
| " D | 1 | O | 17-17-30 | 48451 | 8470 | 56921 | 6195 | 63116 | 4497 | 67613 |
| " | 2 | K | 20-17-30 | 33508 | 2983 | 36491 | 2970 | 39461 | 2785 | 42246 |
| " | 3 | P | 17-17-30 | 35270 | 2201 | 37471 | 2092 | 39563 | 1977 | 41540 |
| " | 4 | A | 21-17-30 | 34132 | 3356 | 37488 | 3554 | 41042 | 2541 | 43583 |
| " | 7 | H | 17-17-30 | | | | | | 5376 | 5376 |
| Parke A | 1 | A | 22-17-30 | 88694 | 6272 | 94966 | 5926 | 100892 | 5529 | 106421 |
| " | 2 | B | " | 86887 | 5941 | 92828 | 5865 | 98693 | 4418 | 103111 |
| " | 3 | D | " | 80696 | 3514 | 84210 | 3289 | 87499 | 3148 | 90647 |
| " | 4 | F | " | 78062 | 2888 | 80950 | 2540 | 83490 | 1718 | 85208 |
| " | 5 | C | " | 79168 | 3180 | 82348 | 2875 | 85223 | 1770 | 86993 |
| " | 6 | E | " | 74499 | 2271 | 76770 | 2540 | 79310 | 1743 | 81053 |
| " | 7 | O | 15-17-30 | 29818 | 6208 | 36026 | 5508 | 41534 | 5777 | 47311 |
| " | 8 | N | " | 13572 | 2162 | 15734 | 1838 | 17572 | 1612 | 19184 |
| " B | 1 | M | " | 29870 | 2510 | 32380 | 2346 | 34726 | 1833 | 36559 |
| " C | 2 | D | 23-17-30 | 52286 | 5134 | 57420 | 3673 | 61093 | 3205 | 64298 |
| " | 3 | P | 15-17-30 | 51416 | 3647 | 55063 | 2835 | 57898 | 1998 | 59896 |
| " D | 1 | A | " | 85975 | 4257 | 90232 | 2582 | 92814 | 3216 | 96030 |
| West | 2 | P | 9-17-31 | 9457 | P&A | 9457 | | 9457 | | 9457 |
| SKELLY OIL CO. | | | | | | | | | | |
| Dow A | 1 | O | 15-17-31 | 36581 | 3209 | 39790 | 2991 | 42781 | 2866 | 45647 |
| " | 2 | M | " | | | | 231 | 231 | 2585 | 2816 |
| " B | 1 | A | 28-17-31 | 1779 | 12254 | 14033 | 11706 | 25739 | 5667 | 31406 |
| " | 2 | C | 21-17-31 | 3554 | 15310 | 18864 | 14927 | 33791 | 9535 | 43326 |
| " | 3 | D | " | | 15313 | 15313 | 14858 | 30171 | 13601 | 43772 |
| " | 4 | E | " | | 10366 | 10366 | 10490 | 20856 | 5893 | 26749 |
| " | 5 | B | " | | 6976 | 6976 | 13899 | 20875 | 8558 | 29433 |
| " | 6 | F | " | | 2867 | 2867 | 14468 | 17335 | 6117 | 23452 |
| " | 7 | A | " | | | | 10441 | 10441 | 7339 | 17780 |
| Lea-State A | 1 | D | 23-17-31 | 55984 | 5250 | 61234 | 3917 | 65151 | 3637 | 68788 |
| " | 2 | M | 14-17-31 | | | | | | 9722 | 9722 |
| " | 3 | G | 23-17-31 | | | | | | 11968 | 11968 |
| " | 4 | C | " | | | | | | 2026 | 2026 |

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PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W L | U N | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------|--------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| SKELLY OIL CO. - continued | | | | | | | | | | |
| Lea-State A | 5 | H | 23-17-31 | | | | | | 9249 | 9249 |
| " | 6 | J | 14-17-31 | | | | | | 4685 | 4685 |
| " | 7 | A | 23-17-31 | | | | | | 1551 | 1551 |
| " | 8 | P | 14-17-31 | | | | | | 620 | 620 |
| " B | 1 | I | " | 22980 | 7968 | 30948 | 8773 | 39721 | 6550 | 46271 |
| " | 2 | M | 23-17-31 | 11296 | 8934 | 20230 | 10130 | 30360 | 6345 | 36705 |
| Lynch A | 1 | A | 22-17-31 | 157168 | 9793 | 166961 | 7059 | 174020 | 4673 | 178693 |
| " | 2 | E | " | 5718 | 1467 | 7185 | 1279 | 8464 | 1037 | 9501 |
| SOLT, WALTER (Formerly Ohio Oil Co.) | | | | | | | | | | |
| McCullough-State | 1 | M | 16-17-30 | 101229 | 6532 | 107761 | 6137 | 113898 | 5251 | 119149 |
| SUNRAY OIL CORP. (Formerly Superior Oil Corp.) | | | | | | | | | | |
| Foster | 2 | J | 17-17-31 | | 4511 | 4511 | 7020 | 11531 | 4966 | 16497 |
| " | 3 | F | " | | 9840 | 9840 | 11364 | 21204 | 7094 | 28298 |
| " | 4 | C | " | | 725 | 725 | 7167 | 7892 | 6501 | 14393 |
| " | 5 | B | " | | | | 6977 | 6977 | 6484 | 13461 |
| WESTERN PRODUCTION CO. | | | | | | | | | | |
| Burch C | 1 | E | 23-17-29 | 27091 | 5176 | 32267 | 4159 | 36426 | 3214 | 39640 |
| " | 2 | F | " | 29933 | 5083 | 35016 | 2673 | 37689 | 3175 | 40864 |
| " | 3 | O | 19-17-30 | 10685 | 8078 | 18763 | 832 | 19595 | | 19595 |
| " | 4 | J | 23-17-29 | 502 | 8296 | 8798 | 6115 | 14913 | 4544 | 19457 |
| " | 5 | P | 19-17-30 | | 12098 | 12098 | 8578 | 20676 | 7686 | 28362 |
| " | 6 | O | 23-17-29 | | 11408 | 11408 | 11897 | 23305 | 10037 | 33342 |
| " | 7 | I | " | | 4668 | 4668 | 6128 | 10796 | 4548 | 15344 |
| " | 8 | P | " | | 3468 | 3468 | 6140 | 9608 | 4544 | 14152 |
| " | 9 | B | 30-17-30 | | | | 4033 | 4033 | 3505 | 7538 |
| Keely C | 1 | D | 26-17-29 | 66749 | 10949 | 77698 | 11347 | 89045 | 9242 | 98287 |
| " | 4 | P | 24-17-29 | 1052 | 15461 | 16513 | 16781 | 33294 | 15890 | 49184 |
| " | 5 | O | " | | 12390 | 12390 | 16919 | 23909 | 15868 | 45177 |
| " | 6 | C | 26-17-29 | | 13325 | 13325 | 16727 | 30052 | 15845 | 45897 |
| " | 7 | B | 25-17-29 | | 8270 | 8270 | 16784 | 25054 | 16105 | 41159 |
| " | 8 | A | " | | 6318 | 6318 | 16806 | 23124 | 16050 | 39174 |
| " | 9 | F | 26-17-29 | | | | | | 5298 | 5298 |
| " | 10 | E | 25-17-29 | | | | | | 13788 | 13788 |
| " | 11 | F | " | | | | 2070 | 2070 | 15886 | 17956 |

PRODUCTION DATA - GRAYBURG-JACKSON POOL - continued

| COMPANY LEASE | W L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------------------------|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| WESTERN PRODUCTION CO. - continued | | | | | | | | | | |
| Keely C | 13 | H | 25-17-29 | | | | 7690 | 7690 | 15695 | 23385 |
| " | 17 | L | " | | | | | | 10257 | 10257 |
| " | 18 | K | " | | | | 4815 | 4815 | 15888 | 20703 |
| " | 23 | M | " | | | | | | 5186 | 5186 |
| YATES, S. P. | | | | | | | | | | |
| Robinson B | 1 | F | 34-17-29 | 349 | | 349 | | 349 | | 349 |
| FIELD TOTAL | | | | 11327328 | 1630797 | 12958125 | 1714850 | 14672975 | 1662095 | 16335070 |

HALE POOL

LOCATION: T. 20 S., R. 30 E. SW $\frac{1}{4}$ sec. 12, NW $\frac{1}{4}$ sec. 13.
DISCOVERY DATE: December 1940.
DISCOVERY WELL: Wills & Abell No. 1 Hale, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12-20-30.
T.D. 1848'. PB 1553'. Initial production,
flow 5 MCF gas per day. Initial rock pressure,
650 lbs. Top Rustler, 235'; Top Salado, 575';
Base Salado, 1453'; Top Yates, 1630'. Elevation
3307'.
GRAVITY OF OIL: Gas field.
AVERAGE THICKNESS OF PAY ZONE: 20'.
PRODUCING FORMATION: Tansill, Permian.
AVERAGE PRODUCING DEPTH: 1540' to 1560'.
DEEPEST TEST: Neil H. Wills No. 2 Hale, NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 12-20-30.
T.D. 1860'. P. & A. Top Rustler, 260'; Top
Salado, 570'; Base Salado, 1481'. Elevation
3308'.
OIL WELLS, as of 1-1-46: 0
GAS WELLS:
 Producing 0
 Shut in 1
ABANDONED WELLS: $\frac{2}{3}$
TOTAL WELLS DRILLED: $\frac{3}{3}$
OIL PRODUCTION: none.
GAS PRODUCTION: well shut in since completion.
WATER PRODUCTION: none reported.
AREA OF PROVEN PRODUCTION: 40 acres.

SUBSURFACE COMPLETION DATA - HALE POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|------------------------|------------------|------------------|----------|---------------|-----------------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|
| WILLS, NEIL H. Hale | 2 | L | 12-20-30 | 12-10-44 | P&A | 3308 | 1860 | | | | |

HENSHAW POOL

LOCATION: T. 16 S., R. 30 E. All sec. 13.
DISCOVERY DATE: February, 1930.
DISCOVERY WELL: Archer & Jones No. 1 Etz, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 13-16-30.
T.D. 3850'. PB 3830'. Initial potential, 50
bbls. oil per day. Top Rustler, 350'; Top
Salado, 505'; Base Salado, 1400'; Top Yates,
1570'; Top Queen, 2380'; Top San Andres, 3110'.
Elevation 3887'.

GRAVITY OF OIL: 36° API.
AVERAGE THICKNESS OF PAY ZONE: 10'.
PRODUCING FORMATION: San Andres.
AVERAGE PRODUCING DEPTH: 3135' to 3225'.
DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 1 |
| Gas lift | 0 |
| Shut in | 1 |

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 2

| | | | |
|------------------------|-------------|-------------|-------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 1 | 1 | 1 |
| Yearly production | 158 | 476 | 731 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 2,572 bbls. | 3,048 bbls. | 3,779 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 80 acres.

PER-ACRE RECOVERY to 1-1-46: 47 bbls.

SUBSURFACE COMPLETION DATA - HENSHAW POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|------------------|------------------|------------------|----------|---------------|-----------------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|
| ENGLISH, P. B. | | | | | | | | | | | |
| Etz, A. N. | 1 | H | 24-16-30 | 12-10-45 | Temp.) Abnd.) | 3873 | | | 500g 3600-3650 | 7 | 2515 |

PRODUCTION DATA - HENSHAW POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-------------------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| ARCHER & JONES | | | | | | | | | | |
| Etz | 1 | P | 13-16-30 | 2414 | 158 | 2572 | | 2572 | | 2572 |
| BYRD-FROST (Formerly P. B. English) | | | | | | | | | | |
| Etz, A. N. | 1 | E | 13-16-30 | | | | 476 | 476 | 731 | 1207 |
| FIELD TOTAL | | | | 2414 | 158 | 2572 | 476 | 3048 | 731 | 3779 |

HIGH LONESOME POOL

LOCATION: T. 16 S., R. 29 E. SW $\frac{1}{4}$ sec. 16, S $\frac{1}{2}$ sec. 17, N $\frac{1}{2}$ sec. 20,
NW $\frac{1}{4}$ sec. 21.

DISCOVERY DATE: November 1939.

DISCOVERY WELL: B. H. Nolen No. 1 Iles, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 17-16-29.
T.D. 1824'. Initial production, pump 80
bbls. oil per day. Top Salado, 290'; Base
Salado, 640'; Top Yates, 795'; Top Queen,
1534'. Elevation 3655'.

GRAVITY OF OIL: 34.9° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Sandstone of lower Queen.

AVERAGE PRODUCING DEPTH: 1760' to 1815'.

DEEPEST TEST: Dare Elder No. 1 Hess, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21-16-29.
T.D. 3105'. P. & A. Top Salado, 297';
Base Salado, 665'; Top Yates, 810'; Top
Queen, 1580'. Elevation 3647'.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 1 |
| Gas lift | 0 |
| Shut in | 3 |

GAS WELLS: 0

ABANDONED: 0

TOTAL WELLS DRILLED: 4

| | | | |
|------------------------|--------------|--------------|--------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 4 | 2 | 1 |
| Yearly production | 2,347 | 1,564 | 173 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 20,087 bbls. | 21,651 bbls. | 21,824 bbls. |

GAS PRODUCTION: estimated, cumulative to 1-1-46, 327 million cu. ft.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 160 acres.

PER-ACRE RECOVERY to 1-1-46: 136 bbls.

Internal gas-drive type reservoir.

PRODUCTION DATA - HIGH LONESOME POOL

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-------------------------|--------|-------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| ATKINS, GEO. Iles | 1 | P | 17-16-29 | 5593 | 404 | 5997 | | 5997 | 173 | 6170 |
| BROWN, C. W. State | 1 | M | 16-16-29 | 6820 | 846 | 7666 | 244 | 7910 | | 7910 |
| SIKES, J. H. Iles | 1 | C | 20-16-29 | 3167 | 864 | 4031 | 1320 | 5351 | | 5351 |
| STOUT & WADDELL Iles | 1 | K | 17-16-29 | 2160 | 233 | 2393 | | 2393 | | 2393 |
| FIELD TOTAL | | | | 17740 | 2347 | 20087 | 1564 | 21651 | 173 | 21824 |

HIGH LONESOME, SOUTH, POOL

LOCATION: T. 16 S., R. 29 E. S $\frac{1}{2}$ sec. 31, S $\frac{1}{2}$, NE $\frac{1}{4}$ sec. 32, all sec.
T. 17 S., R. 28 E. NE $\frac{1}{4}$ sec. 1
T. 17 S., R. 29 E. N $\frac{1}{2}$ sec. 4, N $\frac{1}{2}$ sec. 5, N $\frac{1}{2}$ sec. 6.

DISCOVERY DATE: By order effective January 1, 1945, pool established and defined by New Mexico Oil Conservation Commis.

DISCOVERY WELL: The wells in the High Lonesome, South, pool original were included in High Lonesome pool.

GRAVITY OF OIL: 34° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Grayburg and San Andres.

AVERAGE PRODUCING DEPTH: 2110' to 2710'.

DEEPEST TEST: Carper Drlg. Co. No. 1 Smith, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6-17-29.
T.D. 2845'. PB 2458'. Initial production, flow 360 MCF gas per day. (Now P. & A.) Top pay, 2419 to 2440'; Top Queen, 1588'; Top San Andres, 2373'. Elevation 3667'.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 1 |
| Gas lift | 0 |
| Shut in | 3 |

GAS WELLS:

| | |
|-----------|---|
| Producing | 0 |
| Shut in | 4 |

ABANDONED WELLS: 2

TOTAL WELLS DRILLED: 10

| | | | |
|------------------------|--------------------------|--------------------------|---------------------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 1 | 1 | 1 |
| Yearly production | 1,069 | 1,148 | 907 |
| Cumulative production | to 1-1-44 8,043 bbls. | to 1-1-45 9,191 bbls. | to 1-1-46 10,098 bbls. |

GAS PRODUCTION: all gas wells shut in. (none reported).

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 160 acres.

PER-ACRE RECOVERY to 1-1-46: 63 bbls.

Gas-drive type reservoir.

PRODUCTION DATA - HIGH LONESOME, SOUTH, POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| BUCK, C. B. | | | | | | | | | | |
| Lockhart | 1 | A | 1-17-29 | 180 | | 180 | | 180 | | 180 |
| State | 1 | P | 31-16-29 | 1932 | | 1932 | | 1932 | | 1932 |
| SHUMAKER-RITCHIE | | | | | | | | | | |
| Lavers | 1 | M | 33-16-29 | 2405 | | 2405 | | 2405 | | 2405 |
| SUPPES & SUPPES | | | | | | | | | | |
| State | 1 | M | 31-16-29 | 2457 | 1069 | 3526 | 1148 | 4674 | 907 | 5581 |
| FIELD TOTAL | | | | 6974 | 1069 | 8043 | 1148 | 9191 | 907 | 10098 |

LEO POOL

LOCATION: T. 18 S., R. 30 E. S $\frac{1}{2}$ sec. 14, S $\frac{1}{2}$ sec. 15, S $\frac{1}{2}$ sec. 16,
N $\frac{1}{2}$ sec. 21, all secs. 22, 23.

DISCOVERY DATE: August 1939.

DISCOVERY WELL: H. W. Martin No. 1 Gates, SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 15-18-30.
T.D. 3245'. Initial production, pump 100 bbls.
oil per day. Base Salado, 1435'; Top Yates,
1630'; Top Queen, 2725'. Elevation 3512'.

GRAVITY OF OIL: 35.8°.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Grayburg, Permian.

AVERAGE PRODUCING DEPTH: 3000' to 3330'.

DEEPEST TEST: Brewer Drlg. Co. No. 1 Creek, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23-18-30.
T.D. 3653'. P. & A. Base Salado, 1580'; Top
Yates, 1770'; Top Queen, 2900'. Elevation 3516'.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 5 |
| Pumping | 2 |
| Gas lift | 0 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS: 5

TOTAL WELLS DRILLED: 12

| | | | |
|------------------------|--------------|---------------|---------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 6 | 7 | 7 |
| Yearly production | 19,258 | 11,691 | 12,360 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 96,723 bbls. | 108,414 bbls. | 120,774 bbls. |

GAS PRODUCTION: estimated, cumulative to 1-1-46, 37 million cu. ft.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 280 acres.

PER-ACRE RECOVERY to 1-1-46: 431 bbls.

SUBSURFACE COMPLETION DATA - LEO POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|------------------------|-------------|------------------|----------|---------------|---------------------------|------------|------|-------------------------------|--------------------------|----------------------|
| | | | | | TEST | ELEV. T.D. | T.P. | | | |
| MARTIN, H. W. Gates | 5 | E | 23-18-30 | 9-27-43 | P&A | 3423 | 3301 | | | |

PRODUCTION DATA - LEO POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE 1943 | | CUMULATIVE 1944 | | CUMULATIVE 1945 | | CUMULATIVE |
|-------------------|-------------|------------------|----------|-----------------|-------|-----------------|-------|-----------------|-------|------------|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 |
| BREWLER DRUG. CO. | | | | | | | | | | |
| Brooks | 1 | N | 14-18-30 | 22688 | 2986 | 25674 | 420 | 26094 | 1830 | 27924 |
| McClay | 1 | B | 21-18-30 | 4596 | | 4596 | 192 | 4788 | 540 | 5328 |
| JONES, R. J. | | | | | | | | | | |
| Gates | 1 | N | 15-18-30 | 12353 | 3230 | 15583 | 2445 | 18028 | 2409 | 20437 |
| " | 2 | K | " | 1880 | 852 | 2732 | 1006 | 3738 | 645 | 4383 |
| KERSEY & CO. | | | | | | | | | | |
| Creek | 1 | C | 23-18-30 | 29391 | 4661 | 34052 | 3546 | 37598 | 2083 | 39681 |
| " X | 2 | F | " | 3720 | 6358 | 10078 | 3572 | 13650 | 2269 | 15919 |
| RANDEL, O. H. | | | | | | | | | | |
| Gates | 1 | I | 22-18-30 | 2837 | 1171 | 4008 | 510 | 4518 | 2584 | 7102 |
| FIELD TOTAL | | | | 77465 | 19258 | 96723 | 11691 | 108414 | 12360 | 120774 |

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LOCO HILLS POOL

LOCATION: T. 17 S., R. 29 E. S $\frac{1}{2}$ sec. 31, S $\frac{1}{2}$ sec. 32, S $\frac{1}{2}$ sec. 33,
S $\frac{1}{2}$ sec. 34, S $\frac{1}{2}$ sec. 35, all sec. 36
T. 17 S., R. 30 E. S $\frac{1}{2}$ sec. 29, all secs. 31, 32
T. 18 S., R. 29 E. All secs. 1 to 18, incl.
T. 18 S., R. 30 E. All secs. 5, 6, 7, 18.

DISCOVERY DATE: February 1939.

DISCOVERY WELL: Yates et al. No. 1 Yates, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6-18-30.
T.D. 2874'. Initial production, flow 630 bbls.
oil per day. Base Salado, 1123'; Top Yates, 1300';
Top Queen, 2288'. Elevation 3552'.

GRAVITY OF OIL: 36.5°.

AVERAGE THICKNESS OF PAY ZONE: 20'.

PRODUCING FORMATION: Grayburg, Permian.

AVERAGE PRODUCING DEPTH: 2410' to 3105'.

DEEPEST TEST: Franklin Petroleum Co. No. 1 Coppedge, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.
5-18-30. T.D. 3505'. P. & A. Base Salado,
1120'; Top Yates, 1310'; Top Queen, 2320'.
Elevation 3545'.

OIL WELLS, as of 1-1-46:

| | |
|----------|----|
| Flowing | 10 |
| Pumping | 3 |
| Gas lift | 0 |
| Shut in | 1 |

GAS WELLS: 0

ABANDONED WELLS: 16

TOTAL WELLS DRILLED: 30

| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|--------------|--------------|---------------|
| No. of producing wells | 7 | 11 | 14 |
| Yearly production | 20,422 | 29,613 | 40,787 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 64,770 bbls. | 94,383 bbls. | 135,170 bbls. |

GAS PRODUCTION: estimated, cumulative to 1-1-46, 17,550 million cu. ft.
(Loco Hills and Loco Hills Pressure Maintenance).

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 9360 acres (Loco Hills and Loco Hills Pressure
Maintenance).

PER-ACRE RECOVERY to 1-1-46: 1056 bbls.

RESERVOIR DATA: Gas-expansion type reservoir.

Connate water: 15% to 25%.

Average porosity: 15%.

Saturation pressure: 898 lbs.

Estimated original reservoir pressure: 1000 lbs.

Reservoir temperature: 82°.

Original solution ratio: 420 cu. ft. per bbl.

Original volume factor: 1.274 bbls.

Average effective pay thickness: 10'.

Viscosity at 70° F.: 41.8 S.S.U.

Viscosity at 100° F.: 38.0 S.S.U.

LOCO HILLS POOL - continued

CORE ANALYSIS: Franklin Pet. Corp. No. 6 Yates A, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 6-18-30.

| Depth | % Porosity | Specific Permeability Millidarcys |
|--------------------------------------|------------|-----------------------------------|
| 2841-42 | 19.0 | 61 |
| 2842-43 $\frac{1}{2}$ | 18.4 | 34 |
| 2843 $\frac{1}{2}$ -45 $\frac{1}{2}$ | 20.0 | 83 |
| 2845 $\frac{1}{2}$ -46 $\frac{1}{2}$ | 17.7 | 49 |
| 2846 $\frac{1}{2}$ -48 | 18.3 | 51 |
| 2848-49 | 16.3 | 19 |
| 2849-50 $\frac{1}{2}$ | 16.1 | 14 |
| 2850 $\frac{1}{2}$ -52 | 18.6 | 17 |
| 2852-53 | 21.9 | 72 |
| 2853-54 | 22.0 | 77 |
| 2854-55 | 22.9 | 72 |

GAS-OIL RATIO DATA

LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS

| COMPANY LEASE | W E L L | GAS-OIL RATIO | | | |
|------------------|------------------|--------------------------|-------------------|---------------------|------------------|
| | | OCTOBER-NOVEMBER 1943 | APRIL-MAY 1944 | JULY-AUGUST 1944 | MAY-JUNE 1945 |
| ALLEN & FAIR | | | | | |
| State A | 1 | 2239 | 2570 | 2900 | 3060 |
| " | 2 | 1251 | 2170 | 2840 | 4970 |
| " | 3 | 3420 | 2640 | 3170 | 3180 |
| " B | 1 | 778 | 1815 | 2225 | 2858 |
| " | 2 | 400 | 790 | 920 | |
| ASTON & FAIR | | | | | |
| Brigham | 1 | 1957 | 2380 | 2290 | 2365 |
| " | 2 | 3560 | 1630 | 2810 | |
| State | 1 | 1563 | 1205 | 1159 | 2423 |
| " | 2 | 618 | 827 | 860 | 1445 |
| " A | 1 | 3545 | 3318 | 2810 | 3882 |
| " B | 3 | 2830 | 2960 | 2235 | 3580 |
| " | 6 | 963 | 1410 | 1305 | 590 |
| " | 5X | | | | 817 |
| BANNER OIL CO. | | | | | |
| Miller | 1 | 5140 | 3400 | 5000 | 2100 |
| " | 2 | 1238 | 1812 | 2660 | 660 |
| " | 3 | 1491 | 1175 | 1272 | |
| " | 4 | | 2020 | 526 | 725 |
| BASSETT & BIRNEY | | | | | |
| Dunn | 1 | | 4890 | 4375 | 3600 |
| State | 1 | 1460 | 1465 | 1200 | 400 |
| " | 2 | 2972 | 3140 | 3730 | 3760 |

GAS-OIL RATIO DATA

LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L | GAS-OIL RATIO | | | |
|---|-------------|--------------------------|-------------------|---------------------|------------------|
| | | OCTOBER-NOVEMBER 1943 | APRIL-MAY 1944 | JULY-AUGUST 1944 | MAY-JUNE 1945 |
| BASSETT & BIRNEY - continued | | | | | |
| State | 3 | 3335 | 2885 | 2530 | |
| " | 4 | 2875 | 2460 | 2720 | 2870 |
| " | 5 | 7160 | 5950 | 5850 | 4595 |
| " | 7 | 864 | 1092 | 804 | 635 |
| BAY PETROLEUM CO. (Formerly Penn Surgical Mfg. Co.) | | | | | |
| Ballard | 1 | | 5150 | 5850 | 3930 |
| " | 2 | | 1082 | 1200 | 3825 |
| " | 3 | | 1490 | 2690 | 1610 |
| " | 4 | | | 1378 | 1855 |
| Dunn | 1 | | 1260 | 2320 | 2580 |
| Miller | 1 | | 743 | 1748 | 2138 |
| " | 2 | 1457 | 340 | 2585 | 3250 |
| Shuler | 1 | | 612 | 1358 | 3770 |
| " | 2 | | 1063 | 1650 | 5760 |
| Travis | 1 | | 3880 | 3610 | 1663 |
| BOWERS & BOWERS | | | | | |
| State | 1 | 2292 | 2120 | 2300 | 2640 |
| BRAINARD & GUY | | | | | |
| Brainard | 1 | 2930 | 3247 | 2930 | 3720 |
| " | 2 | 2620 | 2950 | 3840 | 2135 |
| Guy | 1 | 3000 | 2600 | 3930 | 2330 |
| " | 2 | 3372 | 4000 | 3440 | 5570 |
| " | 3 | 1775 | 1360 | 2250 | 3040 |
| " | 4 | 1170 | 1485 | 1610 | 2618 |
| BRIGHT & GORDON | | | | | |
| State A | 1 | 1108 | 1570 | 1950 | 2570 |
| CARPER-BROOKOVER | | | | | |
| State | 1 | | | 2000 | |
| CARPER-MILES-TALLMADGE | | | | | |
| State | 1 | 728 | 683 | 683 | 1885 |
| " | 2 | 501 | 832 | 636 | 760 |
| " | 3 | 755 | 850 | 782 | 936 |
| CARPER-TALLMADGE | | | | | |
| State | 1 | 2125 | 2725 | 3390 | 3410 |
| CONE, GORDON | | | | | |
| Guy | 1 | 2645 | 1600 | 2770 | |
| " | 2 | 2830 | 6630 | 3025 | 7540 |
| " | 3 | 5940 | 5940 | 3100 | |
| Langford | 2 | 2885 | 3060 | 1530 | 4947 |
| CONTINENTAL OIL CO. | | | | | |
| State L | 1 | 1928 | 2130 | 1795 | 720 |
| " M | 1 | 1621 | 3720 | 4430 | 4660 |
| " | 3 | 3710 | 3330 | 4350 | 3240 |
| " | 4 | 4300 | 4850 | 4080 | 6990 |
| " N(2) | 1 | 2480 | 1825 | 1775 | 3610 |
| " N(10) | 1 | 6350 | 1550 | 3010 | |
| " O | 1 | 2717 | 2018 | 2050 | 1815 |
| CONTINENTAL & S. P. YATES | | | | | |
| Brainard | 1 | 3685 | 2435 | 3645 | 3210 |
| " | 2 | 3850 | 2180 | 2180 | 3120 |
| " | 3 | 3630 | 967 | 2080 | 3060 |

GAS-OIL RATIO DATA

LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L L | GAS-OIL RATIO | | | |
|---------------------------------------|------------------|--------------------------|-------------------|---------------------|------------------|
| | | OCTOBER-NOVEMBER 1943 | APRIL-MAY 1944 | JULY-AUGUST 1944 | MAY-JUNE 1945 |
| CONTINENTAL & S. P. YATES - continued | | | | | |
| Brainard | 4 | 600 | 960 | 2875 | 1000 |
| " | 5 | 5050 | | | 9200 |
| Travis | 2 | 2225 | 1630 | 1810 | 4830 |
| DIXON & YATES | | | | | |
| Ballard A | 1 | 1720 | 1450 | 1500 | 1971 |
| " | 2 | 1918 | 1415 | 2050 | 2013 |
| " B | 1 | 2374 | 2835 | 3390 | 5160 |
| " | 2 | 3410 | 2540 | 3420 | 3980 |
| Brooks | 1 | | | | 482 |
| Day | 1 | 577 | 530 | 482 | 813 |
| " | 2 | 562 | 634 | 610 | 1052 |
| " | 3 | 500 | 778 | 624 | 1390 |
| " | 4 | 857 | 773 | 400 | 2275 |
| Saunders A | 1 | 853 | 752 | 454 | 740 |
| " | 2 | 917 | 1258 | 1452 | 1795 |
| " | 4 | 1015 | 957 | 995 | 1555 |
| " | 5 | 860 | 975 | 793 | 1475 |
| " | 6 | 1210 | | | |
| FAIR, N. M. & F. | | | | | |
| Brainard | 1 | 2700 | 1990 | 2130 | 2947 |
| " | 2 | 6010 | 1790 | 2070 | 5030 |
| " | 3 | 2940 | 1000 | | 9200 |
| " | 4 | 7800 | 5240 | 6000 | 4320 |
| " | 5 | 8500 | | | |
| " | 7 | 1333 | 1670 | 1610 | 2910 |
| " | 8 | 2427 | 865 | 865 | 758 |
| FAIR, R. W. | | | | | |
| State A | 2 | 2153 | 3600 | 4100 | 5085 |
| FAIR & BRIGHT | | | | | |
| State A | 1 | 1223 | 2040 | 2160 | 2627 |
| FLYNN, WELCH & YATES | | | | | |
| Langford | 1 | 4320 | 2790 | 3820 | 2940 |
| " | 2 | 2225 | 2900 | 4400 | 4000 |
| State | 1 | 1636 | 1450 | 1510 | 2548 |
| Travis | 1 | 484 | 2360 | 5400 | 400 |
| " | 2 | 400 | 680 | 428 | 400 |
| " | 3 | 714 | 517 | 400 | |
| FRANKLIN, ASTON & FAIR | | | | | |
| Ballard A | 1 | 2664 | 2900 | 2640 | 4180 |
| " | 2 | 2590 | 2375 | 2180 | 3700 |
| " | 3 | 3493 | 3290 | 4300 | 4665 |
| " B | 2 | 1867 | 3165 | 2310 | 3150 |
| " | 3 | 2290 | 3440 | 4150 | 4880 |
| Canfield A | 1 | 961 | 655 | 1005 | 1080 |
| " | 2 | 797 | 490 | 818 | 824 |
| " | 3 | 748 | | 485 | 1003 |
| " | 4 | | | | 411 |
| " | 5 | | | | 575 |
| " | 1 | | | | |
| " | 2 | | | | 548 |
| " | 3 | | | | 480 |
| Coppedge | 2 | 1277 | 1164 | 780 | |
| " | 3 | 485 | 300 | 400 | |
| Yates | 1 | 2902 | 1900 | 3290 | 5400 |
| " | 2 | 1387 | 2260 | 2460 | 3370 |
| " | 3 | 2580 | 2010 | 1935 | 2785 |

GAS-OIL RATIO DATA

LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L L | GAS-OIL RATIO | | | |
|------------------------------------|------------------|------------------|-----------|-------------|----------|
| | | OCTOBER-NOVEMBER | APRIL-MAY | JULY-AUGUST | MAY-JUNE |
| | | 1943 | 1944 | 1944 | 1945 |
| FRANKLIN, ASTON & FAIR - continued | | | | | |
| Yates | 4 | 1154 | 1073 | 1072 | 1132 |
| " | 5 | 1609 | 2000 | 1925 | 1482 |
| " | 7 | | 400 | 803 | 403 |
| FRANKLIN-YATES | | | | | |
| State | 1 | 3258 | 1820 | 2430 | 3455 |
| FRIENDSHIP OIL CO. | | | | | |
| State | 1 | 1815 | 2800 | 4060 | 5900 |
| GRAYBURG OIL CO. | | | | | |
| State | 1 | | 3190 | 3315 | 4490 |
| KINFOLKS TRUST CO. | | | | | |
| State | 1 | 1715 | 2835 | 3190 | 5820 |
| McKEE, ROBERT E. | | | | | |
| State | 1 | 422 | 554 | 1172 | 1000 |
| ME-TEX SUPPLY CO. | | | | | |
| Miller | 1 | 4200 | 5700 | 5430 | 7440 |
| " | 2 | 4400 | 650 | 1457 | 1355 |
| Stroup-Yates | 1 | 3200 | 1440 | 1450 | 2380 |
| " | 2 | 3330 | 3100 | 2293 | 3620 |
| MONTGOMERY, MRS. SAM | | | | | |
| Saunders | 1 | 1613 | 1675 | 1990 | 2320 |
| " | 2 | 698 | 804 | 594 | 1770 |
| PREMIER PETROLEUM CO. | | | | | |
| Beeson F | 1 | 1390 | 1835 | 2035 | 3780 |
| " | 2 | 2138 | 2175 | 3030 | 3590 |
| " | 3 | 2142 | 2280 | 1190 | 4300 |
| " | 4 | 2160 | 2192 | 1970 | 5655 |
| " | 5 | 2155 | 1345 | 1230 | 6250 |
| " | 6 | 1520 | 2235 | 3320 | 3610 |
| " | 7 | | | | |
| " | 8 | | 1070 | 1780 | 1377 |
| " | 9 | | 1493 | 1470 | 820 |
| State | 1 | | 1045 | 756 | 1270 |
| RANDEL, O. H. | | | | | |
| Shelby | 1 | 5760 | | | |
| ROSE CITY OIL CO. | | | | | |
| Watson Smith | 1 | 4740 | 5080 | 5130 | 6850 |
| " | 2 | 2100 | 1215 | 1750 | 496 |
| SALLEE & YATES | | | | | |
| Ballard B | 1 | 3910 | 3690 | 3480 | 4890 |
| " | 2 | 3800 | 2880 | 3830 | 4150 |
| State | 1 | 2650 | 4000 | 3290 | 7030 |
| " | 2 | 3820 | 3290 | 2950 | 4360 |
| " | 3 | 3715 | 3490 | 2800 | |
| SANDERS BROS. | | | | | |
| Guy | 1 | 5440 | 3260 | 2590 | 2370 |
| " NX | 1 | 5260 | 2730 | 4440 | |
| " P | 2 | 7210 | 2420 | 3450 | |
| " | 3 | 5645 | 3560 | 4600 | 7320 |
| " | 4 | 2400 | 2400 | 3120 | 4070 |
| " R | 1 | | | | |
| Langford | 1 | 1670 | 4000 | 4000 | |
| " | 2 | 4125 | 2800 | 2540 | 8580 |

GAS-OIL RATIO DATA

LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L L | GAS-OIL RATIO | | | |
|---------------------------|------------------|--------------------------|-------------------|---------------------|------------------|
| | | OCTOBER-NOVEMBER 1943 | APRIL-MAY 1944 | JULY-AUGUST 1944 | MAY-JUNE 1945 |
| SANDERS BROS. - continued | | | | | |
| Miller | 1 | 6380 | | | |
| " | 2 | 400 | 2845 | 3450 | 6920 |
| " | 3 | 400 | | | |
| Murdock | 1 | 400 | | | |
| Travis | 1 | 3910 | | | |
| " | 2 | 1200 | 992 | 1690 | 2900 |
| " | 3 | 3960 | 1465 | 1020 | 405 |
| STROUP & YATES | | | | | |
| Ballard B | 1 | | | | |
| " | 2 | | 455 | 1042 | |
| " | 3 | 4680 | 4630 | 4170 | 7980 |
| Travis | 3 | 2335 | 1625 | 1650 | |
| " | 5 | 4410 | 3170 | 5320 | |
| Woolley, ROLAND RICH | 5 | 2190 | 3140 | 2175 | 1755 |
| Woolley D | 1 | 1608 | | | |
| " | 2 | 2677 | 2435 | | |
| " | 3 | 3965 | 2380 | | |
| " | 4 | 846 | 3830 | | |
| YATES & CONTINENTAL | | | | | |
| Brainard | 1 | 2990 | | | |
| " | 2 | 3465 | 2990 | | 6485 |
| " | 3 | | 3745 | | 6485 |
| " | 4 | 4640 | 2000 | | 6485 |
| YATES, ET AL. | 4 | | 3735 | | 6485 |
| Yates | 2 | 3565 | | | |
| " | 3 | 1616 | 2365 | 2200 | 3900 |
| " | 4 | 624 | 1150 | 1742 | 2390 |
| YATES, HARVEY E. | 4 | | 639 | 658 | 1082 |
| Dunn | 1 | 2204 | | | |
| Travis | 1 | 3739 | 3540 | 4070 | |
| YATES, S. P. | 1 | | 1040 | 1485 | 2870 |
| Brainard | 1 | 5015 | | | |
| " | 2 | 5485 | 2390 | 3070 | 5260 |
| " | 3 | | 3650 | 4750 | 4300 |
| " | 4 | 5135 | 3755 | 5500 | 7560 |
| " | 5 | 4035 | 2950 | 2790 | 3970 |
| " | 6 | 3750 | 2410 | 2250 | |

BOTTOM HOLE PRESSURE DATA - LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS

| COMPANY LEASE | W E L L | JANUARY 1943 | | JUNE 1943 | | DECEMBER 1943 | | JUNE 1944 | | JUNE 1945 | |
|----------------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | |
| | | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND |
| ALLEN & FAIR | | | | | | | | | | | |
| State A | 1 | 420* | 477* | 390* | 447* | 360* | 417* | 286 | 343 | 168 | 225 |
| " | 2 | 410 | 445 | 350* | 385* | 293 | 328 | 281 | 316 | 206 | 241 |
| " | 3 | 340 | 392 | 315 | 367 | 271 | 323 | 252 | 304 | 190 | 242 |
| " | 4 | | | | | | | 347 | 550 | 372 | 575 |
| " B | 1 | 455 | 493 | 435 | 472 | 399 | 437 | 325 | 362 | 276 | 313 |
| " | 2 | 410* | 455* | 430* | 475* | 450* | 495* | 325* | 370* | 280* | |
| " C | 1 | 470 | 528 | 410* | 468* | 350* | 418* | 269* | 327* | Input | |
| ASTON & FAIR | | | | | | | | | | | |
| Brigham | 1 | 680 | 769 | 555 | 644 | 514 | 603 | 424 | 513 | 336 | 425 |
| " | 2 | 547 | 637 | 490 | 580 | 406 | 497 | 348 | 438 | 268 | 358 |
| State | 1 | 587 | 625 | 530 | 588 | 448 | 486 | 425 | 463 | 340 | 378 |
| " | 2 | 642 | 687 | 630 | 675 | 597 | 642 | 360 | 405 | 417 | 462 |
| " A | 1 | 500 | 562 | 450 | 512 | 343 | 405 | 338 | 400 | 228 | 290 |
| " B | 3 | 680 | 775 | 605 | 700 | 507 | 602 | 433 | 528 | 369 | 464 |
| " | 4 | 690* | 781* | 625* | 716* | 560* | 651* | 550* | 641* | Input | |
| " | 5 | 300* | 397* | 250* | 347* | 200* | 247* | 430* | 527* | Abandoned | |
| " | 5X | | | | | | | | | 575 | 668 |
| " | 6 | 725 | 820 | 655 | 750 | 587 | 682 | 519 | 614 | 412 | 587 |
| ASTON, LUCAS & ASTON | | | | | | | | | | | |
| State B | 7 | 380* | 480* | 600* | 700* | 690* | 790* | | | | |
| BANNER OIL CO. | | | | | | | | | | | |
| Miller | 1 | 240* | 247* | 220* | 227* | 100* | 207* | 190* | 197* | 170* | |
| " | 2 | 250* | 289* | 225* | 264* | 200* | 239* | 190* | 229* | 170* | |
| " | 3 | 230* | 334* | 215* | 209* | 200* | 194* | 190* | 184* | 170* | |
| " | 4 | 235* | 233* | 217* | 215* | 200* | 198* | 190* | 188* | 170* | |
| BASSETT & BIRNEY | | | | | | | | | | | |
| Dunn | 1 | 800* | 817* | 655* | 672* | 510* | 527* | 307 | 324 | 470 | 300* |
| State | 1 | 481 | 520 | 490 | 529 | 410 | 449 | 366 | 405 | 300* | |
| " | 2 | 495 | 538 | 450 | 493 | 393 | 439 | 265 | 308 | 218 | 261 |
| " | 3 | 453* | 481* | 353* | 381* | 253 | 281 | 225* | 253* | 160* | |
| " | 4 | 460 | 499 | 430 | 469 | 377 | 402 | 320* | 359* | 230* | |
| " | 5 | 405 | 469 | 360 | 424 | 320* | 384* | 269 | 333 | 231 | 295 |
| " | 6 | 774* | 777* | 744* | 747* | 714 | 716 | 560* | 563* | Gas | |

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BOTTOM HOLE PRESSURE DATA - LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - cont...

| COMPANY LEASE | W E L L | JANUARY 1943 | | JUNE 1943 | | DECEMBER 1943 | | JUNE 1944 | | JUNE 1945 | |
|---|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | |
| | | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND | DATUM TOP SAND |
| BASSETT & BIRNEY - continued | | | | | | | | | | | |
| State | 7 | 566 | 610 | 580 | 624 | 550 | 594 | 556 | 600 | 480* | |
| " | 8 | | | | | | | | | | |
| BAY PETROLEUM CO. (Formerly Penn Surgical Mfg. Co.) | | | | | | | | | | | |
| Ballard | 1 | 900* | 824* | 800* | 724* | 636 | 560 | 536 | | 391 | 361 |
| " | 2 | | | | | | | 454 | | 399 | 374 |
| " | 3 | 900* | 915 | 900* | 915* | 898 | 913 | 757 | | 480 | 449 |
| " | 4 | | | | | | | 700* | | 436 | 413 |
| Dunn | 1 | 900* | 818* | 800* | 718* | 639 | 552 | 446 | | 533 | 515 |
| Miller | 1 | 900* | 927* | 800* | 827* | 713 | 740 | 388 | | 411 | 444 |
| " | 2 | 900* | 882* | 900* | 882* | 873 | 854 | 454 | | 432 | 376 |
| Shuler | 1 | 900* | 842* | 800* | 742* | 594 | 536 | 615 | | 562 | 589 |
| " | 2 | | | | | | | 490 | | 350* | 328* |
| Travis | 1 | | | | | | | 580 | | 292 | 265 |
| BOWERS & BOWERS | | | | | | | | | | | |
| State | 1 | 600 | 652 | 550 | 602 | 469 | 519 | 396 | 448 | 262 | 314 |
| BRAINARD & GUY | | | | | | | | | | | |
| Brainard | 1 | 307 | 329 | 270 | 292 | 214 | 237 | 222 | 244 | 161 | 183 |
| " | 2 | 350 | 377 | 290 | 317 | 261 | 287 | 203 | 230 | 163 | 190 |
| Guy | 1 | 259 | 274 | 224* | 239* | 185* | 200* | 190* | 205* | 145 | 160 |
| " | 2 | 275 | 302 | 235 | 262 | 205 | 232 | 190* | 217* | 135 | 162 |
| " | 3 | 355 | 374 | 268* | 287* | 181* | 200* | 190* | 209* | 180 | |
| " | 4 | 255* | 270* | 245* | 260* | 235* | 250* | 190* | 205* | 180* | |
| BRIGHT & GORDON | | | | | | | | | | | |
| State A | 1 | 250* | 289* | 300* | 339* | 350* | 389* | 290* | 329* | 200* | |
| CARPER-BROOKOVER | | | | | | | | | | | |
| State | 1 | 360 | 393 | 345 | 378 | 343 | 376 | 340 | 374 | 286 | 319 |
| CARPER-MILES-TALLMADGE | | | | | | | | | | | |
| State A | 1 | 730 | 719 | 705 | 794 | 668 | 757 | 610 | 699 | 524 | 613 |
| " | 2 | 710 | 808 | 655 | 753 | 635 | 733 | 550 | 648 | 510 | 608 |
| " | 3 | 760 | 926 | 675 | 841 | 651 | 817 | 658 | 824 | 571 | 737 |
| CARPER-TALLMADGE | | | | | | | | | | | |
| State | 1 | 266 | 261 | 210 | 205 | 219 | 213 | 180 | 175 | 161 | 156 |

*Assigned Pressure. NOTE: Datum is 1000' above sea level.

BOTTOM HOLE PRESSURE DATA - LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L L | JANUARY 1943 | | JUNE 1943 | | DECEMBER 1943 | | JUNE 1944 | | JUNE 1945 | |
|---------------------------|------------------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|-----|
| | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | |
| | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | |
| CONE, GORDON | | | | | | | | | | | |
| Guy | 1 | 260 | 262 | 225 | 227 | 200* | 202* | 175* | 180* | 160* | |
| " | 2 | 255 | 266 | 220 | 231 | 200* | 211* | 185* | 196* | 160* | |
| " | 3 | 295 | 309 | 225 | 339 | 193 | 207 | 210 | 224 | 197 | 211 |
| Langford | 1 | 370* | 352* | 335* | 317* | 300* | 282* | 218* | 200* | Input | |
| " | 2 | 280 | 279 | 240* | 239* | 200* | 199* | 190* | 189* | 210* | |
| CONTINENTAL OIL CO. | | | | | | | | | | | |
| State L | 1 | 260* | 242* | 230* | 212* | 200* | 182* | 200* | 182* | 160* | |
| " M | 1 | 470 | 500 | 440 | 470 | 420* | 450* | 295 | 325 | 250 | 280 |
| " | 2 | 530* | 576* | 490* | 536* | 450* | 496* | 400* | 446* | Input | |
| " | 3 | 525 | 566 | 495 | 536 | 430 | 471 | 391 | 432 | 253 | 294 |
| " | 4 | 600 | 646 | 510 | 556 | 473 | 519 | 421 | 467 | 264 | 310 |
| " N | 2 | 485 | 523 | 440 | 478 | 340* | 378* | 310 | 348 | 260* | |
| " | 10 | 385 | 407 | 325 | 347 | 279 | 300 | 245 | 267 | 186 | 208 |
| " O | 1 | 270* | 308* | 235* | 273* | 200* | 238* | 180* | 218* | 160* | |
| CONTINENTAL & S. P. YATES | | | | | | | | | | | |
| Brainard | 1 | 400 | 432 | 365 | 397 | 310* | 342* | 270 | 302 | 197 | 229 |
| " | 2 | 640 | 677 | 560 | 597 | 335 | 372 | 278 | 315 | 291 | 328 |
| " | 3 | 435 | 469 | 370 | 404 | 200* | 234* | 280* | 314* | 230* | |
| " | 4 | 300* | 365* | 300* | 365* | 300* | 365* | 295* | 360* | 240* | |
| " | 5 | 375 | 405 | 360 | 390 | 280 | 310 | 270 | 300 | 200* | |
| Travis | 1 | 240* | 276* | 290 | 326* | 340* | 376* | 310* | 346* | Input | |
| " | 2 | 380 | 409 | 335 | 364 | 310* | 339* | 277 | 306 | 228 | 257 |
| DIXON & YATES | | | | | | | | | | | |
| Ballard A | 1 | 635 | 700 | 615 | 680 | 497 | 562 | 449 | 514 | 332 | 397 |
| " | 2 | 705 | 778 | 670 | 743 | 565 | 638 | 498 | 571 | 375 | 448 |
| " B | 1 | 555 | 595 | 485 | 545 | 435 | 494 | 364 | 424 | 235 | 295 |
| " | 2 | 515 | 575 | 470 | 530 | 375 | 435 | 318 | 378 | 232 | 292 |
| Day | 1 | 863 | 925 | 850 | 912 | 790 | 852 | 750 | 812 | 695 | 757 |
| " | 2 | 858 | 917 | 845 | 904 | 790 | 849 | 738 | 797 | 678 | 737 |
| " | 3 | 900* | 954* | 900* | 954* | 427 | 481 | 490 | 544 | 579 | 633 |
| " | 4 | 900* | 969* | 900* | 969* | 753 | 822 | 759 | 828 | 661 | 730 |
| Saunders A | 1 | 670 | 749 | 620 | 699 | 504 | 583 | 491 | 570 | 454 | 533 |

*Assigned Pressure. NOTE: Datum is 1000' above sea level.

BOTTOM HOLE PRESSURE DATA - LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L L | JANUARY 1943 | | JUNE 1943 | | DECEMBER 1943 | | JUNE 1944 | | JUNE 1945 | |
|---------------------------|------------------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|-----|
| | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | |
| | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | |
| DIXON & YATES - continued | | | | | | | | | | | |
| Saunders A | 2 | 675 | 738 | 605 | 668 | 540 | 603 | 529 | 592 | 412 | 475 |
| " | 4 | 690 | 770 | 700 | 780 | 600 | 680 | 601 | 681 | 522 | 602 |
| " | 5 | 775 | 843 | 765 | 833 | 698 | 766 | 675 | 743 | 660 | 688 |
| " | 6 | 650* | 697* | 757 | 804 | 632 | 676 | 675* | 722* | Input | |
| Boulter | 1 | | | | | | | | | | |
| Brooks | 1 | | | | | | | 504 | 564 | 537 | 597 |
| FAIR, N. M. & F. | | | | | | | | | | | |
| Brainard | 1 | 385 | 418 | 365 | 398 | 290 | 324 | 248 | 281 | 234 | 267 |
| " | 2 | 400* | 437* | 340* | 377* | 280* | 317* | 250* | 287* | 223 | 260 |
| " | 3 | 425 | 462 | 405 | 442 | 278 | 315 | 233 | 270 | 200* | |
| " | 4 | 455* | 488* | 435 | 468 | 313 | 346 | 263 | 296 | 202 | 235 |
| " | 5 | 420* | 459* | 350* | 389* | 280* | 319* | 320* | 359* | Input | |
| " | 6 | 650* | 752* | 690 | 692 | 637 | 639 | 621 | 623 | Gas | |
| " | 7 | 600 | 639 | 650 | 689 | 570 | 609 | 503 | 542 | 408 | 447 |
| " | 8 | 250* | 291* | 250* | 291* | 280* | 321* | 290* | 331* | 274 | 315 |
| FAIR, R. W. | | | | | | | | | | | |
| State A | 2 | 505 | 540 | 470 | 505 | 373 | 392 | 353 | 388 | 207 | 242 |
| FAIR & BRIGHT | | | | | | | | | | | |
| State A | 1 | 545 | 597 | 505 | 557 | 418 | 470 | 406 | 458 | 256 | 308 |
| FLYNN, WELCH & YATES | | | | | | | | | | | |
| Langford | 1 | 220 | 201 | 220 | 201 | 196 | 177 | 181 | 162 | 182 | 163 |
| " | 2 | 260 | 248 | 215 | 203 | 222 | 210 | 196 | 184 | 160* | |
| " | 3 | 200* | 177* | 400* | 377* | 600* | 577* | | | | |
| State | 1 | 585 | 636 | 515 | 566 | 500 | 558 | 441 | 500 | 311 | 370 |
| Travis | 1 | 240* | 207* | 330* | 187* | 200* | 167* | 190* | 157* | 160* | |
| " | 2 | 300* | 243* | 400* | 343* | 500* | 443* | 450* | 393* | 200* | |
| " | 3 | 430* | 378* | 470* | 418* | 503 | 451 | 494 | 442 | 480 | 428 |
| FRANKLIN PETROLEUM CORP. | | | | | | | | | | | |
| Ballard A | 1 | 730 | 815 | 680 | 765 | 627 | 712 | 562 | 647 | 384 | 459 |
| " | 2 | 557 | 624 | 545 | 612 | 474 | 542 | 416 | 483 | 289 | 356 |
| " | 3 | 610 | 684 | 590 | 664 | 485 | 558 | 429 | 503 | 300 | 374 |
| " B | 1 | 480 | 538 | 440 | 498 | 430* | 488* | 400* | 458* | Input | |
| " | 2 | 538 | 606 | 510 | 578 | 425 | 493 | 397 | 465 | 270 | 338 |

*Assigned Pressure. NOTE: Datum is 1000' above sea level.

BOTTOM HOLE PRESSURE DATA - LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L L | JANUARY 1943 | | JUNE 1943 | | DECEMBER 1943 | | JUNE 1944 | | JUNE 1945 | |
|--------------------------------------|------------------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|-----|
| | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | |
| | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | |
| FRANKLIN PETROLEUM CORP. - continued | | | | | | | | | | | |
| Ballard B | 3 | 505 | 572 | 460 | 527 | 413 | 480 | 350 | 417 | 255 | 312 |
| Canfield A | 1 | 780 | 863 | 765 | 848 | 730 | 813 | 714 | 797 | 628 | 711 |
| " | 2 | 828 | 910 | 725 | 807 | 727 | 809 | 445 | 527 | 654 | 734 |
| " | 3 | 857 | 945 | 890 | 978 | 752 | 840 | 770 | 858 | 720 | 812 |
| " | 4 | | | | | | | 858 | 940 | 665 | 751 |
| " | 5 | | | | | | | | | 690 | 782 |
| " | 1 | | | | | | | | | 797 | 878 |
| " | 2 | | | | | | | | | 559 | 638 |
| " | 3 | | | | | | | | | 655 | 737 |
| Coppedge | 2 | 750 | 839 | 630 | 719 | 605 | 694 | 588 | 677 | 508 | 597 |
| " | 3 | 780 | 870 | 775 | 865 | 768 | 858 | 753 | 843 | 680 | 770 |
| " | 4 | 800* | 897* | 825* | 922* | 850* | 947* | 775* | 872* | Input | |
| Yates | 1 | 526 | 604 | 445 | 523 | 425 | 503 | 359 | 437 | 227 | 305 |
| " | 2 | 570 | 652 | 525 | 607 | 453 | 535 | 393 | 475 | 254 | 336 |
| " | 3 | 690 | 777 | 665 | 752 | 517 | 604 | 459 | 546 | 315 | 402 |
| " | 4 | 650 | 737 | 715 | 802 | 611 | 698 | 519 | 606 | 305 | 392 |
| " | 5 | 730 | 808 | 780 | 858 | 685 | 763 | 545 | 623 | 480 | 558 |
| " | 6 | 725* | 830* | 820 | 925 | 690* | 795* | 630* | 735* | Input | |
| " | 7 | 850* | 950* | 785* | 885* | 723 | 823 | 651 | 751 | 600* | |
| FRANKLIN-YATES | | | | | | | | | | | |
| State | 1 | 640 | 698 | 600 | 658 | 491 | 548 | 433 | 491 | 279 | 337 |
| FRIENDSHIP OIL CO. | | | | | | | | | | | |
| State | 1 | 505 | 565 | 450 | 510 | 356 | 416 | 326 | 386 | 202 | 262 |
| GRAYBURG OIL CO. | | | | | | | | | | | |
| State | 1 | 475 | 539 | 425 | 489 | 306 | 370 | 284 | 348 | 275 | 239 |
| KINFOLKS TRUST CO. | | | | | | | | | | | |
| State | 1 | 565 | 662 | 600 | 697 | 447 | 544 | 375 | 472 | 349 | 446 |
| KLEINER, ET AL. | | | | | | | | | | | |
| Watson-Smith | 1 | 200* | 225* | 200* | 225* | 200* | 225* | 190* | 215* | 150* | |
| " | 2 | 240* | 235* | 220* | 215* | 200* | 195* | 190* | 185* | 150* | |
| " | 3 | 240* | 230* | 220* | 210* | 200* | 190* | 190* | 180* | 150* | |
| " | 4 | 260* | 258* | 235* | 233* | 210* | 198* | 190* | 188* | 150* | |
| MACY-TALLMADGE-COWELL | | | | | | | | | | | |
| State A | 1 | 670* | 659* | 635* | 624* | 601 | 591 | | | | |
| McKEE, ROBERT E. | | | | | | | | | | | |
| State A | 1 | 900* | 821* | 800* | 721* | 710 | 789 | 620 | 699 | 500* | |

*Assigned Pressure. NOTE: Datum is 1000' above sea level.

BOTTOM HOLE PRESSURE DATA - LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

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| COMPANY LEASE | W E L L | JANUARY 1943 | | JUNE 1943 | | DECEMBER 1943 | | JUNE 1944 | | JUNE 1945 | |
|------------------------------|------------------|--------------|----------|-----------|----------|---------------|----------|-----------|----------|-----------|----------|
| | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | |
| | | DATUM | TOP SAND | DATUM | TOP SAND | DATUM | TOP SAND | DATUM | TOP SAND | DATUM | TOP SAND |
| ME-TEX SUPPLY CO. | | | | | | | | | | | |
| Ballard | 1 | 273 | 276 | 360 | 363 | 400* | 403* | | | | |
| Miller | 1 | 200* | 195* | 200* | 195* | 200* | 195* | 190* | 185* | 250* | |
| " | 2 | 340* | 332* | 325 | 317 | 335 | 327 | 321 | 313 | 250 | 242 |
| Stroup-Yates | 1 | 271 | 266 | 270 | 265 | 273 | 268 | 240 | 235 | 323 | 318 |
| " | 2 | 207 | 219 | 227* | 239* | 250* | 262* | 217 | 229 | 232 | 244 |
| " | 3 | 340* | 339* | 385* | 384* | 430* | 429* | 450* | 449* | Input | |
| MONTGOMERY, MRS. SAM | | | | | | | | | | | |
| Saunders | 1 | 515 | 566 | 460 | 515 | 426 | 477 | 315 | 366 | 332 | 383 |
| " | 2 | 380* | 428* | 525 | 573 | 361 | 409 | 256 | 304 | 215 | 263 |
| PREMIER PETROLEUM CO. | | | | | | | | | | | |
| Beeson F | 1 | 497 | 567 | 425 | 495 | 380* | 450* | 325 | 395 | 158 | 228 |
| " | 2 | 530 | 597 | 450 | 517 | 396 | 462 | 334 | 401 | 206 | 273 |
| " | 3 | 700 | 751 | 508 | 559 | 394 | 445 | 377 | 428 | 230 | 281 |
| " | 4 | 580 | 660 | 490 | 570 | 365 | 475 | 334 | 414 | 190 | 270 |
| " | 5 | 540 | 628 | 385 | 473 | 340 | 428 | 281 | 369 | 219 | 307 |
| " | 6 | 592 | 680 | 495 | 583 | 390* | 478* | 320* | 408* | 277 | 365 |
| " | 7 | 600* | 677* | 500* | 577* | 400* | 477* | 650* | 727* | Input | |
| " | 8 | 490* | 648* | 365* | 523* | 237 | 395 | 174 | 332 | 162 | 320 |
| " | 9 | 570* | 722* | 455* | 607* | 339 | 491 | 211 | 363 | 235 | 387 |
| State | 1 | 900* | 1060* | 800* | 960* | 700* | 860* | 425 | 585 | | |
| RANDEL, O. H. | | | | | | | | | | | |
| Shelby | 1 | 295 | 311 | 203 | 219 | 195* | 211* | 225* | 241* | Input | |
| ROSE CITY OIL CO. | | | | | | | | | | | |
| Watson Smith | 1 | 255 | 261 | 225 | 231 | 216 | 222 | 207 | 213 | 175 | 181 |
| " | 2 | 210* | 219* | 200* | 209* | 190* | 199* | 190* | 199* | 190* | |
| SALLEE & YATES | | | | | | | | | | | |
| Ballard B | 1 | 485 | 515 | 420 | 450 | 380 | 410 | 329 | 359 | 229 | 259 |
| " | 2 | 550 | 600 | 495 | 545 | 426 | 475 | 347 | 397 | 206 | 256 |
| State | 1 | 580 | 616 | 510 | 546 | 418 | 454 | 338 | 374 | 230* | |
| " | 2 | 565 | 610 | 495 | 540 | 370 | 414 | 332 | 377 | 239 | 284 |
| " | 3 | 600 | 633 | 520 | 553 | 356 | 389 | 313 | 346 | 230 | 263 |
| " | 4 | 600* | 631* | 560 | 591 | 520* | 551* | 350* | 381* | Input | |

*Assigned Pressure. NOTE: Datum is 1000' above sea level.

BOTTOM HOLE PRESSURE DATA - LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L L | JANUARY 1943 | | JUNE 1943 | | DECEMBER 1943 | | JUNE 1944 | | JUNE 1945 | |
|----------------------------|------------------|--------------|----------|-----------|----------|---------------|----------|-----------|----------|-----------|----------|
| | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | |
| | | DATUM | TOP SAND | DATUM | TOP SAND | DATUM | TOP SAND | DATUM | TOP SAND | DATUM | TOP SAND |
| SANDERS BROS. | | | | | | | | | | | |
| Guy | 1 | 280* | 285* | 237 | 242 | 260 | 265 | 210* | 215* | 180* | |
| " NX | 1 | 316 | 318 | 316 | 318 | 200* | 202* | 190* | 192* | 154 | 156 |
| " P | 1 | 300* | 292* | 275* | 267* | 250* | 242* | 225* | 217* | Input | |
| " | 2 | 295 | 286 | 220 | 211 | 249 | 240 | 210* | 201* | 180* | |
| " | 3 | 250 | 251 | 230 | 231 | 210 | 211 | 214 | 215 | 179 | 180 |
| " | 4 | 231 | 217 | 205 | 191 | 210* | 196* | 190* | 176* | 180* | |
| " R | 1 | 300* | 328* | 350* | 378* | 400* | 428* | | | | |
| Langford | 1 | 312 | 293 | 290 | 271 | 200* | 181* | 190* | 171* | 200* | |
| " | 2 | 302 | 291 | 230 | 219 | 200* | 187* | 197 | 184 | 210 | 197 |
| Miller | 1 | 270* | 274* | 235* | 239* | 200* | 204* | 200* | 204* | 200* | |
| " | 2 | 230* | 248* | 240* | 258* | 250* | 268* | 200* | 218* | 200* | |
| " | 3 | 210* | 224* | 205* | 219* | 200* | 214* | 190* | 204* | 200* | |
| " | 4 | 220* | 230* | 210* | 220* | 200* | 210* | 600* | 610* | 200* | |
| Murdock | 1 | 200* | 212* | 200* | 212* | 200* | 212* | 200* | 212* | | |
| Travis | 1 | 427 | 427 | 422 | 422 | 391 | 391 | 382 | 382 | 362 | 362 |
| " | 2 | 240* | 246* | 220* | 226* | 200* | 206* | 200* | 206* | 200* | |
| " | 3 | 230* | 248* | 215* | 233* | 200* | 218* | 200* | 218* | 200* | |
| STROUP & YATES | | | | | | | | | | | |
| Ballard B | 1 | 455 | 484 | 517 | 546 | 626 | 655 | 467 | 496 | 246 | 224 |
| " | 2 | 415 | 398 | 385 | 367 | 442 | 425 | 310 | 292 | 290 | 273 |
| " | 3 | 355 | 325 | 350 | 320 | 428 | 398 | 338 | 308 | 297 | 267 |
| Travis | 2 | 280 | 274 | 288 | 282 | 549 | 543 | 555 | 549 | 400* | |
| " | 3 | 512 | 488 | 525 | 501 | 458 | 435 | 391 | 367 | 380 | 356 |
| " | 4 | 450* | 437* | 530* | 517* | 610* | 597* | | | Input | |
| " | 5 | 432 | 414 | 475 | 457 | 522 | 504 | 538 | 520 | 266 | 284 |
| SUPPES & SUPPES | | | | | | | | | | | |
| Miller | 1 | 370* | 395* | 370* | 395* | 380* | 405* | | | | |
| " | 2 | 370* | 394* | 370* | 394* | 380* | 404* | | | | |
| " | 3 | 300* | 310* | 400* | 410* | 500* | 510* | | | | |
| TEXAS TRADING CO. | | | | | | | | | | | |
| State | 1 | 265* | 268* | 232* | 235* | 200* | 203* | | | | |

*Assigned Pressure. NOTE: Datum is 1000' above sea level.

BOTTOM HOLE PRESSURE DATA - LOCO HILLS AND LOCO HILLS PRESSURE MAINTENANCE POOLS - continued

| COMPANY LEASE | W E L L | JANUARY 1943 | | JUNE 1943 | | DECEMBER 1943 | | JUNE 1944 | | JUNE 1945 | |
|--------------------------------|------------------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|-----|
| | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | | PRESSURE | |
| | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | | DATUM TOP SAND | |
| WOOLLEY, ROLAND RICH | | | | | | | | | | | |
| Woolley D | 1 | 570 | 660 | 525 | 615 | 495 | 585 | 354 | 444 | 230* | |
| " | 2 | 585 | 673 | 525 | 613 | 377 | 465 | 357 | 445 | 200* | |
| " | 3 | 550 | 630 | 500 | 580 | 384 | 464 | 334 | 485 | 200* | |
| " | 4 | 710 | 861 | 590 | 741 | 609 | 760 | 592 | 672 | | |
| YATES & CONTINENTAL | | | | | | | | | | | |
| Brainard | 1 | 500 | 540 | 445 | 485 | 346 | 386 | 342 | 382 | 344 | 384 |
| " | 2 | 547 | 584 | 450 | 487 | 374 | 411 | 367 | 404 | 318 | 355 |
| " | 3 | 290* | 330* | 245* | 285* | 200* | 240* | 368 | 408 | 234 | 274 |
| " | 4 | 500 | 537 | 480 | 517 | 314 | 350 | 399 | 436 | 340 | 377 |
| YATES, ET AL. | | | | | | | | | | | |
| Yates | 1 | 725* | 798* | 687* | 760* | 650* | 723* | 550* | 349* | Input | |
| " | 2 | 665 | 745 | 635 | 715 | 570 | 650 | 458 | 538 | 296 | 376 |
| " | 3 | 650 | 738 | 710 | 798 | 647 | 635 | 511 | 599 | 355 | 443 |
| " | 4 | 740 | 829 | 705 | 794 | 625 | 714 | 589 | 678 | 470 | 559 |
| YATES, HARVEY E. | | | | | | | | | | | |
| Dunn | 1 | 625* | 588* | 525* | 488* | 427 | 390 | 383 | 346 | 345 | 308 |
| Travis | 1 | 475* | 463* | 437* | 425* | 399 | 387 | 334 | 322 | 274 | 262 |
| YATES, S. P. | | | | | | | | | | | |
| Brainard | 1 | 270 | 285 | 250* | 265* | 230* | 245* | 200* | 215* | 175* | |
| " | 2 | 300 | 326 | 260* | 286* | 221 | 247 | 200* | 226* | 184 | 210 |
| " | 3 | 320* | 349* | 285* | 314* | 250* | 279* | 320* | 349* | Input | |
| " | 4 | 265 | 280 | 235 | 250 | 235 | 250 | 193 | 208 | 190 | 205 |
| " | 5 | 270 | 287 | 235* | 252* | 200* | 217* | 200* | 217* | 160* | |
| " | 6 | 320* | 345* | 250* | 275* | 180 | 204 | 241 | 266 | 180* | |
| AVERAGES | | 484 | 522 | 454 | 492 | 404 | 443 | 370 | 410 | 305 | |

* Assigned Pressure. NOTE: Datum is 1000' above sea level.

SUBSURFACE COMPLETION DATA - LOCO HILLS POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|------------------------|-------------|------------------|----------|---------------|---------------------------|-------|-------|--------------|-------|------------|-------|--------|------|-------|
| | | | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| BAY PETROLEUM CO. | | | | | | | | | | | | | | |
| Snowden & McSweeney | 1 | M | 32-17-29 | 3-31-45 | P&A | 3582 | 3104 | | | | | | | |
| DIXON-YATES | | | | | | | | | | | | | | |
| Brooks | 1 | A | 13-18-29 | 2-7-44 | F-15 | 3505 | 2775 | 2695 | 390q | 2690-2766 | 7 | 2672 | 2 | 2662 |
| " | 2 | B | " | 10-15-44 | P-15 | 3525 | 3472) | 3169 | 240q | 3168-3228) | 7 | 3097 | 2 | 3190 |
| | | | | | | | | | 4000g | 3168-3228) | | | | |
| GRAYBURG OIL CO. | | | | | | | | | | | | | | |
| State | 2 | C | 36-17-29 | 7-30-45 | P&A | 3575 | 3273 | | | | | | | |
| MILLER & MILLER | | | | | | | | | | | | | | |
| Masteller | 1 | A | 18-18-30 | 2-28-45 | P-45 | 3521 | 2835 | 2687 | 240q | 2660-2690 | 6 5/8 | 2640 | 2 | 2830 |
| PENN SURGICAL CO. | | | | | | | | | | | | | | |
| Dunn C | 1 | A | 7-18-29 | 10-28-43 | F-12 | 3568 | 2733 | 2505 | 570q | 2500-2640 | 7 | 2470 | 2 | 2640 |
| " | 2 | O | " | 2-28-44 | P&A | 3559 | 2702 | | | | | | | |
| Travis | 1 | A | 18-18-29 | 1-11-44 | F-60 | 3555 | 2525 | 2475 | 220q | 2480-2525 | 7 | 2222 | 2 | 2470 |
| PREMIER PETROLEUM CO. | | | | | | | | | | | | | | |
| Beeson | F10 | B | 31-17-30 | 2-27-44 | P&A | 3589 | 3391 | | | | | | | |
| SKELLY OIL CO. | | | | | | | | | | | | | | |
| Leonard | 1 | M | 33-17-29 | 6-1-44 | F-80 | 3553 | 2755 | 2588 | 450q | 2586-2755 | 7 | 2430 | 2 | 2735 |
| " | 2 | N | " | 6-30-44 | F-20 | 3539 | 2740 | 2590 | 150q | 2580-2605 | 7 | 2439 | 2 | 2603 |
| YATES, MARTIN, III | | | | | | | | | | | | | | |
| State | 8 | D | 36-17-29 | 5-13-45 | F-400 | 3573 | 3255 | 3160 | 2000g | 3160-3255 | 7 | 3055 | 2 | 3175 |

PRODUCTION DATA - LOCO HILLS POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | |
|------------------|-------------|------------------|----------|------------|-------|------------|-------|------------|-------|------------|--|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 | |
| ALLEN & FAIR | | | | | | | | | | | |
| State A | 4 | F | 36-17-29 | 18320 | 2403 | 20723 | 2356 | 23079 | 1647 | 24726 | |
| BASSETT & BIRNEY | | | | | | | | | | | |
| Dunn C | 1 | I | 7-18-29 | 636 | 3281 | 3917 | 2378 | 6295 | 2144 | 8439 | |

PRODUCTION DATA - LOGO HILLS POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| BAY PETROLEUM CO. (Formerly Penn Surgical Mfg. Co.) | | | | | | | | | | |
| S. Y. Dunn | 1 | A | 7-18-29 | | 378 | 378 | 1905 | 2283 | 1645 | 3928 |
| Yates-Travis | 1 | A | 18-18-29 | | | | 2347 | 2347 | 1834 | 4181 |
| DIXON & YATES | | | | | | | | | | |
| Brooks | 1 | A | 13-18-29 | | | | 3821 | 3821 | 3346 | 7167 |
| " | 2 | B | " | | | | | | 95 | 95 |
| GRAYBURG OIL CO. | | | | | | | | | | |
| State B | 2 | C | 36-17-29 | | | | | | 1562 | 1562 |
| MILLER & MILLER | | | | | | | | | | |
| Masteller | 1 | A | 18-18-30 | | | | | | 3316 | 3316 |
| PREMIER PETROLEUM CO. | | | | | | | | | | |
| Beeson F | 8 | O | 29-17-30 | 13364 | 4589 | 17953 | 4412 | 22365 | 3941 | 26306 |
| " | 9 | N | " | 7758 | 4080 | 11838 | 4408 | 16246 | 3934 | 20180 |
| SKELLY OIL CO. (Formerly Bay Petroleum Co.) | | | | | | | | | | |
| Perry-Leonard | 1 | M | 33-17-29 | | | | 3056 | 3056 | 3857 | 6913 |
| " | 2 | N | " | | | | 1944 | 1944 | 2673 | 4617 |
| STROUP & YATES | | | | | | | | | | |
| Dunn | 1 | P | 7-18-29 | 4270 | 5691 | 9961 | 2986 | 12947 | 1304 | 14251 |
| YATES, MARTIN, III | | | | | | | | | | |
| State | 8 | D | 36-17-29 | | | | | | 9489 | 9489 |
| FIELD TOTAL | | | | 44348 | 20422 | 64770 | 29613 | 94383 | 40787 | 135170 |

LOCO HILLS PRESSURE MAINTENANCE POOL

LOCATION: See Loco Hills Pool.
DISCOVERY DATE: See Loco Hills Pool.
DISCOVERY WELL: See Loco Hills Pool.
GRAVITY OF OIL: See Loco Hills Pool.
AVERAGE THICKNESS OF PAY ZONE: See Loco Hills Pool.
PRODUCING FORMATION: See Loco Hills Pool.
AVERAGE PRODUCING DEPTH: See Loco Hills Pool.
DEEPEST TEST: See Loco Hills Pool.

OIL WELLS, as of 1-1-46:

| | |
|----------|-----|
| Flowing | 135 |
| Pumping | 46 |
| Gas lift | 0 |
| Shut in | 3 |

GAS WELLS:

| | |
|-----------|----|
| Input | 19 |
| Producing | 0 |
| Shut in | 0 |

ABANDONED WELLS: 6

TOTAL WELLS DRILLED: 209

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|---------------------------------|-----------------|-----------------|-----------------|
| No. of producing wells | 180 | 182 | 184 |
| Yearly production | 1,361,836 | 1,079,415 | 940,971 |
| Cumulative production to 1-1-44 | | to 1-1-45 | to 1-1-46 |
| | 7,724,566 bbls. | 8,809,974 bbls. | 9,750,945 bbls. |

GAS PRODUCTION: See Loco Hills Pool.

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: See Loco Hills Pool.

PER-ACRE RECOVERY to 1-1-46: See Loco Hills Pool.

RESERVOIR DATA: See Loco Hills Pool.

GAS-OIL RATIO: See Loco Hills Pool.

BOTTOM HOLE PRESSURE: See Loco Hills Pool.

SUBSURFACE COMPLETION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING | | TUBING | |
|---|-------------|------------------|----------|---------------|-----------------------------------|-------|----------|------|-------------------------------|------------|-------|---------|--------|
| | | | | | | | | | | SIZE | DEPTH | SIZE | DEPTH |
| ASTON & FAIR | | | | | | | | | | | | | |
| Scheurich- State | 2 | J | 32-17-30 | 6-5-45 | P&A | 3587 | 3160 | | | | | | |
| State B | 5X | M | " | 4-8-45 | F-250 | 3556 | 2858 | 2848 | 100q | 2836-58 | 7 | 2740 | 2 2810 |
| BAY PETROLEUM CO. (Formerly Penn Surgical Mfg. Co.) | | | | | | | | | | | | | |
| Ballard | 1 | L | 8-18-29 | 8-29-43 | F-82 | 3532 | 2523) | 2443 | 200q | 2430-60 | 7 | 2302 | 2 2450 |
| | | | | | | | PB 2505) | | | | | | |
| " B | 2 | C | " | 2-16-44 | F-32 | 3451 | 2604 | 2455 | 270q | 2465-2604 | 7 | 2321 | 2 2532 |
| " | 3 | E | " | 11-18-43 | F-125 | 2549 | 2675 | 2455 | 680q | 2455-2665 | 7 | 3285 | 2 2643 |
| " | 4 | F | " | 5-22-44 | F-71 | 3529 | 2667 | 2459 | 510q | 2442-2642 | 7 | 2316 | 2 2645 |
| Miller | 1 | E | 5-18-29 | 10-4-43 | F-133 | 3570 | 2730 | 2674 | | | 7 | 2460 | 2 2680 |
| " | 2 | D | " | 12-19-43 | F-48 | 3578 | 2663 | 2410 | 650q | 2285-2663 | 7 | 2245 | 2 2487 |
| BAY PETROLEUM CO. & PENN SURGICAL MFG. CO. | | | | | | | | | | | | | |
| Harvey-Yates | 1 | L | 5-18-29 | 9-14-43 | F-70 | 3577 | 2700 | 2658 | 600q | 2664-2700 | 7 | 2341 | 2 2691 |
| Schuler | 2 | N | " | 3-6-44 | P-55 | 3547 | 2605 | 2485 | 510q | 2480-2600 | 7 | 2295 | 2 2514 |
| BRIGHT & GORDON | | | | | | | | | | | | | |
| State | 1X | M | 2-18-29 | 7-15-45 | P&A | 3501 | 2660 | | | | | | |
| CONTINENTAL & YATES | | | | | | | | | | | | | |
| Yates- | | | | | | | | | | | | | |
| Brainard | 6 | N | 11-18-29 | 7-16-45 | P&A | 3507 | 3014 | | | | | | |
| DIXON & YATES | | | | | | | | | | | | | |
| Boulter | 1 | N | 14-18-29 | 11-13-44 | F-50 | 3511 | 3420) | 2824 | 290q | 2830-2930 | 7 | 2715 | 2 2830 |
| | | | | | | | PB 3412) | | | | | | |
| Day | 3 | O | 12-18-29 | 9-21-43 | F-180 | 3522 | 3037) | 2680 | 390q | 2680-2773 | 7 | 2600 | 2 2680 |
| | | | | | | | PB 2773) | | | | | | |
| " | 4 | P | " | 11-14-43 | F-200 | 3519 | 2758 | 2728 | 120q | 2728-58 | 7 | 2647 | 2 2600 |
| FRANKLIN-ASTON-FAIR | | | | | | | | | | | | | |
| Canfield B | 5 | F | 18-18-30 | 8-6-45 | P&A | 3516 | 3100 | | | | | | |
| Masteller | 2 | O | 7-18-30 | 9-30-45 | F-320 | 3524 | 2818 | 2786 | 150q | 2780-2818 | 7 | 2695 | 2 2763 |
| FRANKLIN PETROLEUM CORP. | | | | | | | | | | | | | |
| Canfield A | 4 | M | 7-18-30 | 3-10-44 | F-275 | 3529 | 2811 | 2772 | 60q | 2777-2811 | 5 | 1/22675 | 2 2781 |
| " | 5 | K | " | 1-31-45 | F-125 | 3530 | 2837 | 2805 | 140q | 2801-37 | 7 | 2691 | 2 2777 |
| " B | 1 | N | " | 8-7-44 | F-250 | 3547 | 2818 | 2789 | 80q | 2778-2818 | 5 | 1/22695 | 2 2728 |
| " | 2 | D | 18-18-30 | 10-15-44 | F-60 | 3527 | 2783 | 2726 | 160q | 2733-83 | 7 | 2661 | 2 2753 |
| " | 3 | C | " | 12-9-44 | F-50 | 3522 | 2801 | 2769 | 180q | 2755-2801 | 7 | 2682 | 2 2741 |
| Yates A | 7 | N | 6-18-30 | 12-31-43 | F-100 | 3533 | 2840 | 2833 | 15q | 2835-40 | 5 | 1/22737 | 2 2810 |

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SUBSURFACE COMPLETION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W L | U I | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|----------------------------------|--------|--------|----------|---------------|---------------------------|-------|----------------------|-------------------------------|--------------------------|----------------------|
| | | | | | TEST | ELEV. | T.D. T.P. | | | |
| McKEE, ROBERT E. State | 1 | D | 32-17-30 | 6-21-43 | F-150 | 3592 | 2962) 2578 | 300q 2116-2612 | 7 2470 | 2 2540 |
| " | 2 | P | " | 3-11-46 | F-10 | 3581 | 3698) 3174 | 520q 3174-3288 | 7 2994 | 2 3185 |
| | | | | | | | PB 2860) PB 3288) | | | |
| PREMIER PETROLEUM CO. State B | 1 | C | " | 10-9-43 | P-470 | 3597 | 3089 3069 | 200q 3048-3089 | 7 2831 | 2 2964 |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL

| COMPANY LEASE | W L | U I | S-T-R | CUMULATIVE 1943 | | CUMULATIVE 1944 | | CUMULATIVE 1945 | | CUMULATIVE TO 1-1-46 |
|-------------------------------|--------|--------|----------|-----------------|--------|-----------------|-------|-----------------|-------|-------------------------|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | |
| ALLEN & FAIR State C | 1 | C | 2-18-29 | 7561 | | 7561 | | 7561 | | 7561 |
| ALLEN, FAIR & POPE State A | 1 | I | 36-17-29 | 56774 | 7632 | 64406 | 6183 | 70589 | 3998 | 74587 |
| " | 2 | M | " | 52731 | 7633 | 60364 | 6184 | 66548 | 4002 | 70550 |
| " | 3 | J | " | 45593 | 7641 | 53234 | 6193 | 59427 | 4008 | 63435 |
| " B | 1 | B | 11-18-29 | 49181 | 5855 | 55036 | 5319 | 60355 | 3971 | 64326 |
| " | 2 | A | " | 44843 | 5859 | 50702 | 5327 | 56029 | 3976 | 60005 |
| ASTON & FAIR Brigham | 1 | P | 31-17-30 | 39616 | 9753 | 49369 | 8826 | 58195 | 5347 | 63542 |
| " | 2 | I | " | 31714 | 9750 | 41164 | 8807 | 50271 | 5344 | 55615 |
| Scheurich-State | 3 | L | 32-17-30 | 42859 | 13826 | 56685 | 10110 | 66795 | 10376 | 77171 |
| " | 4 | K | " | 9265 | Input) | 9265 | | 9265 | | 9265 |
| | | | | | well) | | | | | |
| State A | 1 | O | 36-17-29 | 41627 | 9578 | 51205 | 7869 | 59074 | 8010 | 67084 |
| " B | 1 | G | 11-18-29 | 41413 | 10142 | 51555 | 10766 | 62321 | 8413 | 70734 |
| " | 2 | H | " | 27544 | 10139 | 37683 | 10760 | 48443 | 8408 | 56851 |
| " | 5 | M | 32-17-30 | 19431 | 1188 | 20619 | 363 | 20982 | 7805 | 28787 |
| " | 6 | F | " | 37284 | 13625 | 50909 | 11959 | 62868 | 10920 | 73788 |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| ASTON, LUCAS & ASTON | | | | | | | | | | |
| State | 1 | O | 32-17-30 | 6288 | 474 | 6762 | | 6762 | | 6762 |
| BANNER OIL CO. | | | | | | | | | | |
| Miller | 1 | H | 4-18-29 | 9881 | 1067 | 10948 | 696 | 11644 | 656 | 12300 |
| " | 2 | G | " | 7006 | 1070 | 8076 | 698 | 8774 | 656 | 9430 |
| " | 3 | C | 5-18-29 | 7065 | 1639 | 8704 | 1482 | 10186 | 1245 | 11431 |
| " | 4 | B | " | 12714 | 1642 | 14356 | 1483 | 15839 | 1249 | 17088 |
| BASSETT & BIRNEY | | | | | | | | | | |
| State | 1 | N | 2-18-29 | 57650 | 11859 | 69509 | 10048 | 79557 | 7298 | 86855 |
| " | 2 | K | " | 48264 | 11788 | 60052 | 7088 | 67140 | 5075 | 72215 |
| " | 3 | K | 10-18-29 | 49153 | 10253 | 59406 | 5046 | 64452 | 3266 | 67718 |
| " | 4 | E | 2-18-29 | 44726 | 11082 | 55808 | 8994 | 64802 | 6716 | 71518 |
| " | 5 | D | " | 42260 | 10651 | 52911 | 4474 | 57385 | 2904 | 60289 |
| " | 7 | I | 11-18-29 | 9674 | 8250 | 17924 | 5897 | 23821 | 3788 | 27609 |
| BAY PETROLEUM CO. (Formerly Penn Surgical Mfg. Co.) | | | | | | | | | | |
| Ball B | 1 | L | 8-18-29 | | 1374 | 1374 | 5227 | 6601 | 2502 | 9103 |
| " | 2 | C | " | | | | 3670 | 3670 | 2503 | 6173 |
| " | 3 | E | " | | 795 | 795 | 6750 | 7545 | 2465 | 10010 |
| " | 4 | G | " | | | | 2994 | 2994 | 2468 | 5462 |
| Miller | 1 | E | 5-18-29 | | 839 | 839 | 3591 | 4430 | 2162 | 6592 |
| " | 2 | D | " | | | | 3158 | 3158 | 2161 | 5319 |
| Shuler | 1 | L | " | | 1689 | 1689 | 3622 | 5311 | 2527 | 7838 |
| " | 2 | I | " | | | | 2982 | 2982 | 2530 | 5512 |
| BOWERS, J. M. & K. M. | | | | | | | | | | |
| State | 1 | L | 1-18-29 | 41953 | 10154 | 52107 | 9983 | 62090 | 7372 | 69462 |
| BRAINARD & GUY | | | | | | | | | | |
| Brainard | 1 | C | 10-18-29 | 51783 | 8942 | 60725 | 5165 | 65890 | 4382 | 70272 |
| " | 2 | F | " | 46031 | 8945 | 54976 | 5165 | 60141 | 4384 | 64525 |
| Guy | 1 | E | " | 54038 | 7177 | 61215 | 4858 | 66073 | 4123 | 70196 |
| " | 2 | L | " | 42306 | 6191 | 48497 | 4515 | 53012 | 4124 | 57136 |
| " | 3 | C | 15-18-29 | 29963 | 4865 | 34828 | 3145 | 37973 | 2532 | 40505 |
| " | 4 | D | " | 18583 | 3244 | 21827 | 2484 | 24311 | 2530 | 26841 |
| BRIGHT & GORDON | | | | | | | | | | |
| State A | 1 | M | 2-18-29 | 37995 | 3325 | 41320 | 2142 | 43462 | 1717 | 45179 |
| BROOKOVER, W. D., JR. (Formerly Kleiner, et al.) | | | | | | | | | | |
| Watson-Smith | 1 | K | 4-18-29 | 41579 | 3126 | 44705 | 2609 | 47314 | 1681 | 48995 |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------|-------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| BROOKOVER, W. D., JR. (Formerly Kleiner, et al.) - continued | | | | | | | | | | |
| Watson-Smith | 2 | O | 4-18-29 | 37541 | 2829 | 40370 | 2422 | 42792 | 1613 | 44405 |
| " | 3 | N | " | 32563 | 3313 | 35876 | 2429 | 38305 | 1672 | 39977 |
| " | 4 | J | " | 29966 | 2950 | 32916 | 2411 | 35327 | 1657 | 36984 |
| CARPER DRILG. CO. | | | | | | | | | | |
| Carper-State B | 1 | F | 16-18-29 | 13663 | 2067 | 15730 | 1564 | 17294 | 1289 | 18583 |
| GARPER-MILES-TALLMADGE | | | | | | | | | | |
| State | 1 | N | 32-17-30 | 44110 | 9911 | 54021 | 8557 | 62578 | 10009 | 72587 |
| " | 2 | G | " | 41745 | 10153 | 51898 | 10457 | 62355 | 8967 | 71322 |
| " | 3 | B | " | 38816 | 10156 | 48972 | 8313 | 57285 | 5533 | 62818 |
| CARPER-TALLMADGE | | | | | | | | | | |
| State | 1 | C | 16-18-29 | 48626 | 5600 | 54226 | 3137 | 57363 | 2622 | 59985 |
| CONE, GORDON | | | | | | | | | | |
| Guy | 1 | J | 9-18-29 | 44354 | 7398 | 51752 | 7161 | 58913 | 1937 | 60850 |
| " | 2 | I | " | 42341 | 7098 | 49439 | 4848 | 54287 | 4014 | 58301 |
| " | 3 | P | " | 42318 | 7103 | 49421 | 4851 | 54272 | 4017 | 58289 |
| Langford | 1 | L | " | 34154 | Input) | 34154 | | 34154 | | 34154 |
| " | 2 | K | " | 45577 | 6245 | 51822 | 4613 | 56435 | 3403 | 59838 |
| CONTINENTAL OIL CO. | | | | | | | | | | |
| Brainard | 1 | J | 3-18-29 | 38527 | 6528 | 45055 | 3907 | 48962 | 3731 | 52693 |
| " | 2 | I | " | 22578 | 3523 | 26101 | 3441 | 29542 | 5068 | 34610 |
| " | 3 | H | " | 32195 | 5738 | 37933 | 2850 | 40783 | 2048 | 42831 |
| " | 4 | A | " | 24565 | 1725 | 26290 | 591 | 26881 | 694 | 27575 |
| " | 5 | G | " | 26086 | 3852 | 29938 | 1974 | 31912 | 2210 | 34122 |
| State L | 1 | D | 16-18-29 | 29445 | 3823 | 33268 | 2887 | 36155 | 2515 | 38670 |
| " M | 1 | O | 2-18-29 | 56495 | 12136 | 68631 | 11047 | 79678 | 7323 | 87001 |
| " | 2 | P | " | 32426 | Input) | 32426 | | 32426 | | 32426 |
| " | 3 | J | " | 48876 | 12861 | 61737 | 8860 | 70597 | 8013 | 78610 |
| " | 4 | I | " | 43998 | 11702 | 55700 | 8046 | 63746 | 6223 | 69969 |
| " N | 1 | L | " | 38582 | 9671 | 48253 | 10055 | 58308 | 6681 | 54989 |
| " | 1 | N | 10-18-29 | 42618 | 7804 | 50422 | 4775 | 55197 | 4194 | 59391 |
| " O | 1 | B | 16-18-29 | 36897 | 3915 | 40812 | 2516 | 43328 | 2035 | 45363 |
| Travis | 1 | P | 3-18-29 | 23520 | 81 | 23601 | Input) | 23601 | | 23601 |
| | | | | | | | well) | | | |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W | U | S-T-R | CUMULATIVE TO 1-1-43 | 1943 | CUMULATIVE TO 1-1-44 | 1944 | CUMULATIVE TO 1-1-45 | 1945 | CUMULATIVE TO 1-1-46 |
|---------------------------------|---|---|----------|-------------------------|-------|-------------------------|-------|-------------------------|--------|-------------------------|
| | E | N | | | PROD. | | PROD. | | PROD. | |
| L | I | L | T | | | | | | | |
| CONTINENTAL OIL CO. - continued | | | | | | | | | | |
| Travis | 2 | O | 3-18-29 | 44378 | 8164 | 52542 | 6632 | 59174 | 4703 | 63877 |
| DIXON & YATES | | | | | | | | | | |
| Ballard A | 1 | O | 1-18-29 | 46629 | 10135 | 56764 | 10753 | 67517 | 10722 | 78239 |
| " | 2 | P | " | 38711 | 10140 | 48851 | 10759 | 59610 | 10729 | 70339 |
| " B | 1 | F | " | 49383 | 9811 | 59194 | 8060 | 67254 | 7837 | 75091 |
| " | 2 | C | " | 52158 | 10234 | 62392 | 8665 | 71057 | 8085 | 79142 |
| Boulter | 1 | C | 14-18-29 | | | | 467 | 467 | 863 | 1330 |
| Day | 1 | I | 12-18-29 | 8373 | 10290 | 18663 | 10684 | 29347 | 10587 | 39934 |
| " | 2 | J | " | 7137 | 10294 | 17431 | 10682 | 28113 | 10588 | 38701 |
| " | 3 | O | " | | 2163 | 2163 | 5778 | 7941 | 5686 | 13627 |
| " | 4 | P | " | | 1223 | 1223 | 10682 | 11905 | 10590 | 22495 |
| Saunders A | 1 | A | " | 28626 | 7557 | 36183 | 6762 | 42945 | 3756 | 46701 |
| " | 2 | B | " | 38436 | 10138 | 48574 | 10779 | 59353 | 10472 | 69825 |
| " | 4 | H | " | 14863 | 10124 | 24987 | 9819 | 34806 | 10605 | 45411 |
| " AX | 5 | G | " | 10279 | 10140 | 20419 | 10786 | 31205 | 10475 | 41680 |
| " A | 6 | F | " | 5993 | 10141 | 16134 | 790 | 16924 | Input) | 16924 |
| | | | | | | | | | well) | |
| FAIR, R. W. | | | | | | | | | | |
| State A | 2 | F | 2-18-29 | 46036 | 10153 | 56189 | 9072 | 65261 | 9125 | 74386 |
| FAIR, R. W. & FAIR FOUNDATION | | | | | | | | | | |
| Brainard | 1 | B | 10-18-29 | 51059 | 5132 | 56191 | 2942 | 59133 | 3364 | 62497 |
| " | 2 | G | " | 48477 | 5132 | 53609 | 2944 | 56553 | 3367 | 59920 |
| " | 3 | J | " | 36883 | 4553 | 44436 | 2945 | 44381 | 3369 | 47750 |
| " | 4 | O | " | 40191 | 4673 | 44864 | 2947 | 47811 | 3372 | 51183 |
| " | 5 | H | " | 41073 | 5132 | 46205 | 2951 | 49156 | 3373 | 52529 |
| " | 7 | I | " | 39739 | 5132 | 44871 | 1714 | 46585 | | 46585 |
| " | 8 | A | " | 34152 | 3685 | 37837 | 2953 | 40790 | 3374 | 44164 |
| FAIR & BRIGHT | | | | | | | | | | |
| State A | 1 | K | 1-18-29 | 57738 | 10184 | 67922 | 10762 | 78684 | 9484 | 88168 |
| FLYNN, WELCH & YATES | | | | | | | | | | |
| Langford | 1 | C | 9-18-29 | 40940 | 4264 | 45204 | 3677 | 48881 | 3284 | 52165 |
| " | 2 | F | " | 35813 | 4264 | 40077 | 3687 | 43764 | 3288 | 47052 |
| " | 3 | E | " | 32025 | 813 | 32838 | P&A | 32838 | | 32838 |
| State | 1 | N | 1-18-29 | 53350 | 9959 | 63309 | 10731 | 74040 | 9525 | 83565 |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|----------------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| FLYNN, WELCH & YATES - continued | | | | | | | | | | |
| Travis | 1 | J | 8-18-29 |) | 1128) | | 1013) | | 941 | |
| " | 2 | P | " | 5792) | 1124) | 8044 | 1005) | 10062 | 941 | 11944 |
| " | 3 | O | " | 2555 | 1180 | 3735 | 1010 | 4745 | 944 | 5689 |
| FRANKLIN, ASTON & FAIR | | | | | | | | | | |
| Canfield A | 1 | D | 7-18-30 | 51597 | 10247 | 61844 | 10805 | 72649 | 10914 | 83563 |
| " | 2 | E | " | 15827 | 10246 | 26073 | 10804 | 36877 | 10914 | 47791 |
| " | 3 | L | " | 936 | 10242 | 11178 | 10800 | 21978 | 10914 | 32892 |
| " | 4 | M | " | | | | 9143 | 9143 | 10911 | 20054 |
| " | 5 | K | " | | | | | | 9977 | 9977 |
| " B | 1 | N | " | | | | 4357 | 4357 | 10107 | 14464 |
| " | 2 | O | 18-18-30 | | | | 2407 | 2407 | 10260 | 12667 |
| " | 3 | C | " | | | | 941 | 941 | 10255 | 11196 |
| Masteller | 2 | O | 7-18-30 | | | | | | 939 | 939 |
| FRANKLIN PETROLEUM CORP. | | | | | | | | | | |
| Ballard A | 1 | I | 1-18-29 | 57504 | 10201 | 67705 | 8910 | 76615 | 8526 | 85141 |
| " | 2 | J | " | 57589 | 10201 | 67790 | 8909 | 76699 | 8524 | 85223 |
| " | 3 | H | " | 57597 | 10202 | 67799 | 8907 | 76706 | 8524 | 85230 |
| " B | 1 | B | " | 34180 | Input) | 34180 | | 34180 | | 34180 |
| " | 2 | G | " | 60049 | 11403 | 74452 | 9822 | 84274 | 8286 | 92560 |
| " | 3 | A | " | 60052 | 11398 | 74450 | 9822 | 84272 | 8280 | 92552 |
| Coppedge | 2 | D | 5-18-30 | 46371 | 13247 | 59618 | 11651 | 71269 | 10865 | 82134 |
| " | 3 | C | " | 17992 | 13241 | 31233 | 11644 | 42877 | 10861 | 53738 |
| " | 4 | B | " | 13048 | 1683 | 14731 | Input) | 14731 | | 14731 |
| " | | | | | | | well) | | | |
| Yates A | 1 | D | 6-18-30 | 54236 | 12264 | 66500 | 10873 | 77373 | 8725 | 86098 |
| " | 2 | C | " | 54236 | 12263 | 66499 | 10873 | 77372 | 8725 | 86097 |
| " | 3 | B | " | 54235 | 12264 | 66499 | 10871 | 77370 | 8724 | 86094 |
| " | 4 | A | " | 54239 | 12264 | 66503 | 10871 | 77374 | 8724 | 86098 |
| " | 5 | M | " | 45744 | 12264 | 58008 | 10870 | 68878 | 8726 | 77604 |
| " | 6 | G | " | 26571 | Input) | 26571 | | 26571 | | 26571 |
| " | | | | | well) | | | | | |
| " | 7 | N | " | | | | 10869 | 10869 | 8724 | 19593 |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-----------------------------------|--------|------------------|----------|-------------------------|---------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| FRIENDSHIP OIL CO. State A | 1 | N | 36-17-29 | 57274 | 10178 | 67452 | 9170 | 76622 | 9403 | 86025 |
| GRAYBURG OIL CO. State | 1 | P | " | 52846 | 10323 | 63169 | 8960 | 72129 | 9022 | 81151 |
| JONES & YATES Robinson B | 1 | M | 35-17-29 | 5137 | 405 | 5542 | | 5542 | | 5542 |
| KINFOLKS TRUST State | 1 | E | 32-17-30 | 27443 | 10647 | 38090 | 10194 | 48284 | 7703 | 55987 |
| MACY-TALLMADGE-COWELL, State A | 1 | N | 32-17-29 | 11894 | 2798 | 14692 | 2428 | 17120 | 2058 | 19178 |
| McKEE, ROBERT E. State | 1 | D | 32-17-30 | | 3987 | 3987 | 7480 | 11467 | 5627 | 17094 |
| " | 6 | P | " | | | | | | 175 | 175 |
| ME-TEX SUPPLY CO. Ballard | 1 | D | 8-18-29 | 17155 | 1080 | 18235 | | 18235 | | 18235 |
| Miller | 1 | G | 5-18-29 | 33012 | 3696 | 36708 | 3094 | 39802 | 2372 | 42174 |
| " | 2 | F | " | 26627 | 5631 | 32258 | 4624 | 36882 | 3659 | 40541 |
| Stroup & Yates | 1 | M | " | 35848 | 4933 | 40781 | 4450 | 45231 | 4029 | 49260 |
| " | 2 | I | " | 27780 | 2595 | 30375 | 2220 | 32595 | 2064 | 34659 |
| " | 3 | J | " | 16170 | Shut in | 16170 | | 16170 | | 16170 |
| MONTGOMERY, MRS. SAM Saunders | 1 | C | 12-18-29 | 38675 | 6419 | 45094 | 5350 | 50444 | 3802 | 54246 |
| " | 2 | D | " | 36057 | 5865 | 41922 | 5347 | 47269 | 3799 | 51068 |
| PREMIER PETROLEUM CO. Beeson F | 1 | L | 31-17-31 | 62630 | 10790 | 73420 | 11742 | 85162 | 8249 | 93411 |
| " | 2 | M | " | 56761 | 10665 | 67426 | 11531 | 78957 | 8272 | 87229 |
| " | 3 | N | " | 36299 | 9880 | 46179 | 10585 | 56764 | 8098 | 64862 |
| " | 4 | K | " | 46847 | 12044 | 58891 | 11098 | 69984 | 8330 | 78314 |
| " | 5 | G | " | 40381 | 12813 | 53194 | 7547 | 60741 | 4974 | 65715 |
| " | 6 | H | " | 39155 | 12951 | 52106 | 7508 | 59614 | 4908 | 64522 |
| " | 7 | A | " | 27883 | 1035 | 28918 | Input) well) | 28918 | | 28918 |
| State B RANDEL, O. H. | 1 | C | 32-17-30 | | 1920 | 1920 | 4681 | 6601 | 3194 | 9795 |
| Shelby | 1 | M | 10-18-29 | 48037 | 5024 | 53061 | 461 | 53522 | Input) well) | 53522 |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| ROSE CITY OIL CO. | | | | | | | | | | |
| Watson-Smith | 1 | P | 4-18-29 | 46356 | 4119 | 50475 | 3183 | 53658 | 2568 | 56226 |
| " | 2 | I | " | 41169 | 4122 | 45291 | 3188 | 48479 | 2571 | 51050 |
| SALLEE & YATES | | | | | | | | | | |
| Ballard B | 1 | D | 1-18-29 | 52058 | 9948 | 62006 | 7807 | 69813 | 8201 | 78014 |
| " | 2 | E | " | 40465 | 10103 | 50568 | 9541 | 60109 | 8489 | 68598 |
| State | 1 | G | 2-18-29 | 48641 | 12596 | 61237 | 8650 | 69887 | 7993 | 77880 |
| " | 2 | H | " | 44550 | 13550 | 58100 | 9234 | 67334 | 9133 | 76467 |
| " | 3 | A | " | 40943 | 13277 | 54220 | 8152 | 62372 | 9493 | 71865 |
| " | 4 | B | " | 5846 | Input) | 5846 | | 5846 | | 5846 |
| SANDERS BROS. (Purchased by Snowden Oil & Gas Co., Ltd. in 1946) | | | | | | | | | | |
| Guy | 1 | D | 10-18-29 | 56370 | 7091 | 63461 | 3143 | 66604 | 1530 | 68134 |
| " NX | 1 | O | 9-18-29 | 46231 | 7333 | 53564 | 3646 | 57210 | 1160 | 58370 |
| " P | 1 | A | " | 43753 | Input) | 43753 | | 43753 | | 43753 |
| " | 2 | B | " | 52033 | 7782 | 59815 | 5188 | 65003 | 2049 | 67052 |
| " | 3 | H | " | 51062 | 7785 | 58847 | 5193 | 64040 | 2052 | 66092 |
| " | 4 | G | " | 48079 | 7789 | 55868 | 5198 | 61066 | 2057 | 63123 |
| " R | 1 | A | 15-18-29 | 4252 | 1066 | 5318 | 629 | 5947 | 299 | 6246 |
| Langford | 1 | M | 9-18-29 | 52294 | 4673 | 56967 | 2365 | 59332 | 1278 | 60610 |
| " | 2 | N | " | 49303 | 4680 | 53983 | 2371 | 56354 | 1282 | 57636 |
| Miller | 1 | H | 4-18-29 | 17529 | 1545 | 19074 | 1434 | 20508 | 1312 | 21820 |
| " | 2 | I | " | 9855 | 1547 | 11402 | 1435 | 12837 | 1315 | 14152 |
| " | 3 | E | " | 13807 | 1550 | 15357 | 1442 | 16799 | 1317 | 18116 |
| " | 4 | A | 5-18-29 | 8770 | Input) | 8770 | | 8770 | | 8770 |
| Murdock | | | | | | | | | | |
| Murdock | 1 | K | 4-18-29 | 7329 | 711 | 8040 | 526 | 8566 | 83 | 8649 |
| Travis | 1 | A | 17-18-29 | 18964 | 1891 | 20855 | 1098 | 21953 | 759 | 22712 |
| " | 2 | B | " | 15250 | 2326 | 17576 | 1402 | 18978 | 845 | 19823 |
| " | 3 | G | " | | 2298 | 2298 | 1405 | 3703 | 849 | 4552 |
| STROUP & YATES | | | | | | | | | | |
| Ballard B | 1 | K | 8-18-29 | 10782 | 4728 | 15510 | 4092 | 19602 | 2934 | 22536 |
| " | 2 | N | " | 23522 | 5541 | 29063 | 4194 | 33257 | 2937 | 36194 |
| " | 3 | M | " | 20725 | 5541 | 26266 | 4095 | 30361 | 2430 | 32791 |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W L L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|----------------------------|-------------|-------------|----------|-------------------------|-------------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| STROUP & YATES - continued | | | | | | | | | | |
| Travis | 2 | I | 6-18-29 | 13496 | 2679 | 16175 | 1935 | 18110 | 1620 | 19730 |
| " | 3 | D | 17-18-29 | 13580 | 5003 | 18583 | 2755 | 21338 | 1739 | 23077 |
| " | 4 | C | " | 4662 | Input) well) | 4662 | | 4662 | | 4662 |
| " | 5 | E | " | 5997 | 5008 | 11005 | 2759 | 13764 | 1741 | 15505 |
| SUPPES & SUPPES | | | | | | | | | | |
| Miller | 1 | H | 6-18-29 | 31441 | 5085 | 36526 | 4269 | 40795 | 3060 | 43855 |
| " | 2 | A | " | 24824 | 5090 | 29914 | 4271 | 34185 | 3064 | 37249 |
| " | 3 | B | " | 1946 | 977 | 2923 | 938 | 3861 | 962 | 4823 |
| TALLMADGE-COWELL | | | | | | | | | | |
| State | 1 | E | 16-18-29 | 452 | P&A | 452 | | 452 | | 452 |
| TEXAS TRADING CO. | | | | | | | | | | |
| State A | 1 | G | " | 14563 | 2538 | 17101 | 1706 | 18807 | 1324 | 20131 |
| " B | 2 | H | " | 5281 | 1667 | 6948 | 1296 | 8244 | 1229 | 9473 |
| WOOLLEY, ROLAND RICH | | | | | | | | | | |
| Woolley D | 1 | O | 31-17-30 | 55112 | 10390 | 65502 | 9868 | 75370 | 9372 | 84742 |
| " | 2 | J | " | 51183 | 10389 | 61572 | 9632 | 71204 | 9266 | 80470 |
| " | 3 | F | " | 39045 | 9867 | 48912 | 6694 | 55606 | 5161 | 60767 |
| " | 4 | E | " | 18170 | 10022 | 28192 | 10925 | 39117 | 6837 | 45954 |
| YATES, ET AL. | | | | | | | | | | |
| Yates | 1 | L | 6-18-30 | 55439 | Input) well) | 55439 | | 55439 | | 55439 |
| " | 2 | E | " | 55747 | 12332 | 68079 | 10528 | 78607 | 10230 | 88837 |
| " | 3 | F | " | 53147 | 13165 | 66312 | 11278 | 77590 | 10682 | 88272 |
| " | 4 | K | " | 51740 | 15114 | 66854 | 10685 | 77539 | 10468 | 88007 |
| YATES, HARVEY E. | | | | | | | | | | |
| Travis | 1 | P | 6-18-29 | 13831 | 1782 | 15613 | 2339 | 17952 | 2275 | 20227 |
| YATES, MARTIN, JR. | | | | | | | | | | |
| Brainard | 1 | C | 11-18-29 | 50271 | 8997 | 59268 | 6637 | 65905 | 5833 | 71738 |
| " | 2 | D | " | 41924 | 9329 | 51253 | 4332 | 55585 | 3432 | 59017 |
| " | 3 | E | " | 40607 | 9330 | 49937 | 4961 | 54898 | 2746 | 57644 |
| " | 4 | F | " | 40026 | 9331 | 49357 | 4084 | 53441 | 3432 | 56873 |
| Withers-State | 1 | M | 1-18-29 | 49855 | 10185 | 60040 | 10440 | 70480 | 10352 | 80832 |

PRODUCTION DATA - LOCO HILLS PRESSURE MAINTENANCE POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------|------------------|------------------|---------|-------------------------|-----------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| YATES, S. P. | | | | | | | | | | |
| Brainard | 1 | M | 3-18-29 | 53246 | 10715 | 63961 | 8220 | 72181 | 5866 | 78047 |
| " | 2 | N | " | 53009 | 8966 | 61975 | 6707 | 68682 | 5743 | 74425 |
| " | 3 | K | " | 35050 | Input) well) | 35050 | | 35050 | | 35050 |
| " | 4 | L | " | 45890 | 10156 | 56046 | 6150 | 62196 | 5568 | 67764 |
| " | 5 | E | " | 32723 | 3096 | 35819 | 1935 | 37754 | 1279 | 39033 |
| " | 6 | F | " | 30895 | 3416 | 34311 | 2051 | 36362 | 1100 | 37462 |
| FIELD TOTAL | | | | 6468723 | 1361836 | 7724566 | 1079415 | 8809974 | 940971 | 9750945 |

LUSK, WEST, POOL

LOCATION: T. 19 S., R. 31 E. SE $\frac{1}{4}$ sec. 15, NE $\frac{1}{4}$ sec. 22.
DISCOVERY DATE: May 1944.
DISCOVERY WELL: P. B. English No. 1 Hinkle, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 22-19-31.
T.D. 2599'. PB 2435'. Initial production,
pump 15 bbls. oil per day. Top Rustler, 535';
Top Salado, 725'; Base Salado, 2120'.
Elevation 3536'.

GRAVITY OF OIL: 27° API.
AVERAGE THICKNESS OF PAY ZONE: 18'.
PRODUCING FORMATION: Yates.
AVERAGE PRODUCING DEPTH: 2290' to 2410'.
DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 1 |
| Gas lift | 0 |
| Shut in | 1 |

GAS WELLS: 0

ABANDONED WELLS: $\frac{1}{3}$

TOTAL WELLS DRILLED: 3

| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|---------------------------------|-------------|-------------|-------------|
| No. of producing wells | 0 | 0 | 2 |
| Yearly production | 0 | 0 | 1,513 |
| Cumulative production to 1-1-44 | none | to 1-1-45 | to 1-1-46 |
| | | none | 1,513 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 80 acres.

PER-ACRE RECOVERY to 1-1-46: 189 bbls.

SUBSURFACE COMPLETION DATA - LUSK, WEST, POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|------------------|-------------|------------------|----------|---------------|---------------------------|-------|----------|--------------|------|------------|-------|--------|------|-------|
| | | | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| ENGLISH, P. B. | | | | | | | | | | | | | | |
| Barton | 1 | H | 22-19-31 | 8-15-45 | P-25 | 3537 | 2450) | 2292 | 20q | 2292-2312 | 5 1/2 | 2260 | 2 | 2318 |
| | | | | | | | PB 2325) | | | | | | | |
| Hinkle | 1 | A | " | 11-31-43 | P-15 | 3536 | 2599) | 2365 | 120q | 2370-2420 | 5 1/2 | 2259 | 2 | 2430 |
| | | | | | | | PB 2435) | | | | | | | |

PRODUCTION DATA - LUSK, WEST, POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE 1943 | | CUMULATIVE 1944 | | CUMULATIVE 1945 | | CUMULATIVE | |
|------------------|-------------|------------------|----------|-----------------|-------|-----------------|-------|-----------------|-------|------------|------|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 | |
| BYRD-FROST, INC. | | | | | | | | | | | |
| Hinkle | 1 | A | 22-19-31 | | | | | | | 355 | 355 |
| ENGLISH & BYRD | | | | | | | | | | | |
| Barton | 1 | H | " | | | | | | | 1158 | 1158 |
| FIELD TOTAL | | | | | | | | | | 1513 | 1513 |

McMILLIAN POOL

LOCATION: T. 19 S., R. 27 E. E $\frac{1}{2}$ sec. 31.

DISCOVERY DATE: December 1938.

DISCOVERY WELL: Martin Yates No. 1 Bowers, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 31-19-27.
T.D. 1180'. Initial production, pump 20 bbls.
oil per day. Top Queen, 690'.

GRAVITY OF OIL: 29°.

AVERAGE THICKNESS OF PAY ZONE: 5'.

PRODUCING FORMATION: Sandstone from lower Queen.

AVERAGE PRODUCING DEPTH: 845' to 895'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 0 |
| Gas lift | 0 |
| Shut in | 2 |

GAS WELLS: 0

ABANDONED WELLS: $\frac{0}{2}$

TOTAL WELLS DRILLED: 2

| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|------------------------|------------------------|------------------------|
| No. of producing wells | 0 | 0 | 0 |
| Yearly production | 0 | 0 | 0 |
| Cumulative production | to 1-1-44 196 bbls. | to 1-1-45 196 bbls. | to 1-1-46 196 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-46: 5 bbls.

NOTE: Pool has been abandoned.

PRODUCTION DATA - McMILLAN POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--------------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| FULTON, E. L. Johnson | 1 | J | 22-19-27 | 60 | | 60 | | 60 | | 60 |
| YATES, MARTIN, JR. Bowers A | 1 | P | 31-19-27 | 136 | | 136 | | 136 | | 136 |
| FIELD TOTAL | | | | 196 | | 196 | | 196 | | 196 |

PALMILLO POOL

LOCATION: T. 18 S., R. 29 E. S $\frac{1}{2}$ sec. 30.

DISCOVERY DATE: June 1925.

DISCOVERY WELL: Alscott Oil Co. No. 1 Burgess & Goodale, SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30-18-29. T.D. 2561'. Initial potential, 1000 MCF gas and 5 bbls. oil per day from "Artesia" pay.

GRAVITY OF OIL: estimated, 35° API.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: San Andres.

AVERAGE PRODUCING DEPTH: 2561'.

DEEPEST TEST: Discovery well, described above.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 0 |
| Gas lift | 0 |
| Shut in | 1 |

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 1

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|------------------------|------------------------|------------------------|
| No. of producing wells | 0 | 0 | 0 |
| Yearly production | 0 | 0 | 0 |
| Cumulative production | to 1-1-44 206 bbls. | to 1-1-45 206 bbls. | to 1-1-46 206 bbls. |

GAS PRODUCTION: none reported.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 40 acres.

PER-ACRE RECOVERY to 1-1-46: 5 bbls.

PRODUCTION DATA - PALMILLO POOL

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| AISCOTT OIL CO. | | | | | | | | | | |
| Burgess-Goodale | 1 | 0 | 30-18-29 | 206 | | 206 | | 206 | | 206 |
| FIELD TOTAL | | | | 206 | | 206 | | 206 | | 206 |

PCA POOL

LOCATION: T. 20 S., R. 30 E. S $\frac{1}{2}$ sec. 10, all sec. 15.

DISCOVERY DATE: December 1939.

DISCOVERY WELL: Neil H. Wills No. 1 Keyes C, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 15-20-30.
T.D. 1587'. Initial production, pump 77 bbls.
oil in 11 hours. Top Anhydrite, 105'; Top
Salado, 430'; Base Salado, 1197'; Top Yates, 1367'.
Elevation 3214'.

GRAVITY OF OIL: 22° API.

AVERAGE THICKNESS OF PAY ZONE: 10'.

PRODUCING FORMATION: Yates.

AVERAGE PRODUCING DEPTH: 1485' to 1615'.

DEEPEST TEST: Mac T. Anderson No. 1 Hale, NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 23-20-30.
T.D. 1956' in base of Yates or upper Seven Rivers.
P. & A. Elevation 3276'.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 0 |
| Pumping | 7 |
| Gas lift | 0 |
| Shut in | 2 |

GAS WELLS:

| | |
|-----------|---|
| Producing | 0 |
| Shut in | 1 |

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 10

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|---------------|---------------|---------------|
| No. of producing wells | 8 | 9 | 8 |
| Yearly production | 101,317 | 58,335 | 32,374 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 257,672 bbls. | 316,007 bbls. | 348,341 bbls. |

GAS PRODUCTION: small (none reported). Gas well is shut in.

WATER PRODUCTION: relatively large volume water produced with oil.
Accurate figures not available.

AREA OF PROVEN PRODUCTION: 360 acres.

PER-ACRE RECOVERY to 1-1-46: 968 bbls.

Water-drive type reservoir.

SUBSURFACE COMPLETION DATA - PCA POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID AMT. INTERVAL | | OIL STRING SIZE DEPTH | | TUBING SIZE DEPTH | |
|---|-------------|------------------|----------|---------------|---------------------------|-------|----------|-------------------------------|-------|--------------------------|-------|----------------------|--------|
| | | | | | TEST | ELEV. | T.D. | T.P. | | | | | |
| ANDERSON, MAC T. | | | | | | | | | | | | | |
| Hale | 1 | D | 23-20-30 | 12-21-44 | P&A | 3276 | 1956 | | | | | | |
| EASTHAM, HARRIS G., JR. (Formerly Hargrave & Eastham) | | | | | | | | | | | | | |
| Hargrave | 3 | D | 10-20-30 | 8-20-43 | P-91 | 3210 | 1733) | 1606 | 1000g | 1606-1733 | 5 1/2 | 1668 | 2 1575 |
| | | | | | | | PB 1632) | | | | | | |

PRODUCTION DATA - PCA POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE 1943 | | CUMULATIVE 1944 | | CUMULATIVE 1945 | | CUMULATIVE | |
|---|-------------|------------------|----------|-----------------|--------|-----------------|-------|-----------------|-------|------------|--|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 | |
| EASTHAM, HARRIS G., JR. (Formerly Hargrave & Eastham) | | | | | | | | | | | |
| Hargrave | 1 | C | 15-20-30 | 10755 | 19748 | 30503 | 4619 | 35122 | 9756 | 44878 | |
| " | 2 | D | " | 9510 | 19747 | 29257 | 6746 | 36003 | 1756 | 37759 | |
| " | 3 | M | 10-20-30 | | | | 98 | 98 | 600 | 698 | |
| KEYES & ATWOOD | | | | | | | | | | | |
| Keyes A | 1 | N | 15-20-30 | 5072 | 1618 | 6690 | 1528 | 8218 | | 8218 | |
| WILLS, NEIL H. | | | | | | | | | | | |
| Keyes C | 1 | F | ") | | 15703 | 17503 | 14245 | 31748 | 8210 | 39958 | |
| " | 2 | G | ") | 77105 | 12305 | 89410 | 5036 | 94446 | 3570 | 98016 | |
| " | 3 | J | " | 27812 | 10477 | 38289 | 5394 | 43683 | 3210 | 46893 | |
| " | 4 | K | " | 20369 | 10120 | 30489 | 8714 | 39203 | 907 | 40110 | |
| " | 5 | E | " | 5732 | 9799 | 15531 | 11955 | 27486 | 4365 | 31851 | |
| FIELD TOTAL | | | | 156335 | 101317 | 257672 | 58335 | 316007 | 32374 | 348341 | |

PREMIER POOL

LOCATION: T. 17 S., R. 30 E. S $\frac{1}{2}$ sec. 22, S $\frac{1}{2}$ sec. 23, S $\frac{1}{2}$ sec. 24,
all secs. 25, 26, 27, 28, 33, 34,
35, 36
T. 17 S., R. 31 E. S $\frac{1}{2}$ sec. 19, S $\frac{1}{2}$ sec. 20, all secs.
29, 30, N $\frac{1}{2}$ sec. 31.

DISCOVERY DATE: By order effective January 1, 1945, pool established
and defined by New Mexico Oil Conservation Commission.

DISCOVERY WELL: The wells in the Premier pool originally were included
in Grayburg-Jackson pool.

GRAVITY OF OIL: 36° API.

AVERAGE THICKNESS OF PAY ZONE: 20'.

PRODUCING FORMATION: Grayburg.

AVERAGE PRODUCING DEPTH: 3090' to 3390'.

DEEPEST TEST: See Grayburg-Jackson pool data.

OIL WELLS, as of 1-1-46: .

| | |
|----------|----|
| Flowing | 42 |
| Pumping | 12 |
| Gas lift | 0 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS: 6

TOTAL WELLS DRILLED: 60

| | | | |
|---------------------------------|-----------------|-----------------|-----------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 46 | 51 | 54 |
| Yearly production | 383,307 | 401,387 | 296,915 |
| Cumulative production to 1-1-44 | | to 1-1-45 | to 1-1-46 |
| | 1,000,550 bbls. | 1,401,937 bbls. | 1,698,852 bbls. |

GAS PRODUCTION: estimated, cumulative to 1-1-46, 1527 million cu. ft.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 2160 acres.

PER-ACRE RECOVERY to 1-1-46: 787 bbls.

Internal gas-drive type reservoir.

SUBSURFACE COMPLETION DATA - PREMIER POOL

| COMPANY LEASE | W U E N L I L T | | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|-----------------------------------|--------------------------|-------|----------|---------------|---------------------------|------|----------|--------------|-------|------------|-------|--------|---|------|
| | TEST | ELEV. | | | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH | | |
| ASTON & FAIR | | | | | | | | | | | | | | |
| Stevens B | 2 | I | 26-17-30 | 5-12-43 | F-456 | 3562 | 3284 | 3260 | 60q | 3260-80 | 5 1/2 | 2920 | 2 | 3247 |
| " | 3 | O | " | 7-31-43 | F-20 | 3545 | 3296 | 3272 | 180q | 3206-88 | 5 1/2 | 3000 | 2 | 3268 |
| " | 4 | P | " | 12-31-44 | P&A | 3537 | 3750 | | 240q | 3250-90 | | | | |
| " | 5 | L | 25-17-30 | 10-14-43 | F-250 | 3568 | 3300 | 3215 | 120q | 3215-65 | 7 | 3115 | 2 | 3270 |
| " | 6 | K | " | 3-20-44 | F-250 | 3567 | 3295 | 3272 | 140q | 3235-90 | 5 1/2 | 3167 | 2 | 3200 |
| " | 7 | M | " | 12-31-43 | F-250 | 3542 | 3311 | 3293 | 65q | 3288-3311 | 7 | 3134 | 2 | 3280 |
| " | 8 | N | " | 9-1-44 | P-25 | 3554 | 3346 | 3335 | | | 5 1/2 | 2954 | 2 | 3343 |
| CARPER DRLG. CO. | | | | | | | | | | | | | | |
| Koenig-State | 1 | E | 36-17-30 | 10-26-43 | P&A | 3605 | 3410 | | | | 7 | 3200 | | |
| Shugart-State | 1 | D | " | 8-20-43 | F-220 | 3568 | 3339 | 3327 | 20q | 3309-39 | 7 | 3000 | 2 | 3287 |
| ENGLISH, P. B. | | | | | | | | | | | | | | |
| State | 1 | E | 30-17-31 | 9-1-43 | F-25 | 3582 | 3336) | 3205 | 200q | 3203-3305 | 5 1/2 | 2933 | | |
| | | | | | | | PB 3305) | | | | | | | |
| NASH, WINDFOHR & BROWN | | | | | | | | | | | | | | |
| Jackson B | 6 | D | 25-17-30 | 2-24-43 | F-840 | 3675 | 3260 | 3225 | 150q | 3201-60 | 7 | 3120 | 2 | 3245 |
| " | 7 | C | " | 5-10-43 | F-300 | 3658 | 3256 | 3200 | 220q | 3190-3250 | 7 | 3020 | 2 | 3250 |
| " | 8 | E | " | 6-24-43 | F-225 | 3605 | 3268 | 3230 | 100q | 3220-68 | 5 1/2 | 3107 | 2 | 3238 |
| " | 9 | F | " | 8-20-43 | F-350 | 3604 | 3247 | 3215 | 200q | 3185-3247 | 7 | 3095 | 2 | 3247 |
| " | 10 | H | " | 11-1-43 | F-200 | 3595 | 3280 | 3250 | 240q | 3220-80 | 7 | 3130 | 2 | 3280 |
| " | 11 | B | " | 12-31-43 | P&A | 3646 | 3350 | | | | 7 | 3120 | | |
| PATON BROS. & SERGENT | | | | | | | | | | | | | | |
| Sergent | 2 | A | " | 1-21-43 | F-235 | 3641 | 3194 | 3148 | | | 7 | 3001 | 2 | 3181 |
| PREMIER PETROLEUM CO. | | | | | | | | | | | | | | |
| Arnold D | 1 | F | 27-17-30 | 8-15-43 | F-9 | 3631 | 3622) | 3160 | 1110q | 3160-3210 | 7 | 3062 | 2 | 3140 |
| | | | | | | | PB 3210) | | | | | | | |
| " | 2 | D | 35-17-30 | 12-14-43 | P&A | 3587 | 3425 | | | | 10 | 571 | | |
| " | 3 | C | 27-17-30 | 4-25-44 | F-176 | 3651 | 3210 | 3155 | 160q | 3151-3210 | 7 | 3072 | 2 | 3106 |
| " | 2 | O | 23-17-30 | 1-25-43 | F-125 | 3662 | 3194 | 3140 | 190q | 3125-85 | 7 | 3036 | 2 | 3071 |
| WOOLLEY, ROLAND RICH | | | | | | | | | | | | | | |
| Arnold A | 3 | H | 26-17-30 | 3-1-43 | F-108 | 3611 | 3280 | 3198 | 135q | 3198-3259 | 7 | 3030 | 2 | 3168 |
| " | 4 | M | 23-17-30 | 1-14-44 | F-300 | 3657 | 3189 | 3155 | 90q | 3153-89 | 7 | 2954 | 2 | 3154 |
| " | 7 | P | 22-17-30 | 8-1-45 | F-100 | 3643 | 3189 | 2970 | 260q | 2973-3176 | 7 | 2968 | 2 | 2970 |
| " B | 4 | G | 27-17-30 | 4-23-43 | F-114 | 3625 | 3196 | 3158 | 140q | 3149-87 | 7 | 3002 | 2 | 3189 |

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SUBSURFACE COMPLETION DATA - PREMIER POOL - continued

| COMPANY LEASE | W | U | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|----------------------------------|---|---|----------|---------------|---------------------------|-------|------|--------------|------|------------|------|--------|------|-------|
| | L | T | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| WOOLLEY, ROLAND RICH - continued | | | | | | | | | | | | | | |
| Arnold B | 5 | B | 27-17-30 | 10-6-43 | F-130 | 3622 | 3182 | 3143 | 130q | 3143-82 | 7 | 2971 | 2 | 3155 |
| " | 7 | P | 22-17-30 | 10-17-45 | P-46 | 3638 | 3153 | 2949 | 500q | 2949-3153 | | | | |
| Woolley C | 1 | C | 28-17-30 | 10-10-44 | F-25 | 3624 | 3270 | 3136 | 160q | 3020-3141 | 7 | 2991 | 2 | 2994 |

PRODUCTION DATA - PREMIER POOL

| COMPANY LEASE | W | U | S-T-R | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | |
|---|---|---|----------|------------|---------------|------------|---------------|------------|---------------|------------|--|
| | L | T | | TO 1-1-43 | 1943 PROD. | TO 1-1-44 | 1944 PROD. | TO 1-1-45 | 1945 PROD. | TO 1-1-46 | |
| ASTON & FAIR | | | | | | | | | | | |
| Arnold | 1 | F | 26-17-30 | 1629 | 10891 | 12520 | 5269 | 17789 | 2623 | 20412 | |
| " | 2 | E | " | 2174 | 10884 | 13058 | 5260 | 18318 | 2619 | 20937 | |
| Brigham J | 1 | K | " | 6144 | 6830 | 12974 | 2049 | 15023 | 1758 | 16781 | |
| Stevens B | 1 | J | " | 3818 | 12641 | 16459 | 9865 | 26324 | 5418 | 31742 | |
| " | 2 | I | " | | 8123 | 8123 | 9861 | 17984 | 5416 | 23400 | |
| " | 3 | O | " | | 4711 | 4711 | 9861 | 14572 | 5416 | 19988 | |
| " | 5 | L | 25-17-30 | | 2875 | 2875 | 9795 | 12670 | 4766 | 17436 | |
| " | 6 | K | " | | | | 6932 | 6932 | 4764 | 11696 | |
| " | 7 | M | " | | | | 9798 | 9798 | 4762 | 14560 | |
| " | 8 | N | " | | | | 2463 | 2463 | 4760 | 7223 | |
| BREWER DRLG. CO. | | | | | | | | | | | |
| Dodson G | 1 | C | 26-17-30 | 8531 | 14426 | 22957 | 10080 | 33037 | 6721 | 39758 | |
| " | 2 | D | " | 1001 | 14848 | 15849 | 11841 | 27690 | 6285 | 33975 | |
| BYRD-FROST, INC. (Formerly P. B. English) | | | | | | | | | | | |
| Turner B | 1 | O | 25-17-30 | 4305 | 4308 | 8613 | 1503 | 10116 | 931 | 11047 | |
| CARPER DRLG. CO. | | | | | | | | | | | |
| Shugart | 1 | D | 36-17-30 | | 3347 | 3347 | 6563 | 9910 | 1502 | 11412 | |
| MIZEL, SAM & O. H. RANDEL | | | | | | | | | | | |
| Freiss | 1 | J | 19-17-31 | 3811 | 5386 | 9197 | 8304 | 17501 | | 17501 | |
| NASH, WINDFOHR & BROWN | | | | | | | | | | | |
| Jackson B | 2 | H | 24-17-30 | 16483 | 14646 | 31129 | 12536 | 43665 | 9333 | 52998 | |
| " | 6 | D | 25-17-30 | | 11220 | 11220 | 12539 | 23759 | 9332 | 33091 | |

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PRODUCTION DATA - PREMIER POOL - continued

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | | | |
|------------------------------------|-------------|------------------|----------|------------|---------------|------------|---------------|------------|---------------|-------------------------|-------|
| | | | | TO 1-1-43 | 1943 PROD. | TO 1-1-44 | 1944 PROD. | TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 | |
| NASH, WINDFORH & BROWN - continued | | | | | | | | | | | |
| Jackson B | 7 | C | 25-17-30 | | 10082 | 10082 | 12541 | 22623 | 9333 | 31956 | |
| " | 8 | E | " | | 7529 | 7529 | 12543 | 20072 | 9333 | 29405 | |
| " | 9 | F | " | | 4865 | 4865 | 12544 | 17409 | 9332 | 26741 | |
| " | 10 | H | " | | 2490 | 2490 | 12546 | 15036 | 9335 | 24371 | |
| PATON BROS. & SERGENT | | | | | | | | | | | |
| Sergent | 1 | H | 27-17-30 | 6925 | 14368 | 21293 | 11694 | 32987 | 6800 | 39787 | |
| " | 2 | A | " | | 13445 | 13445 | 11699 | 25144 | 12488 | 37632 | |
| PREMIER PETROLEUM CO. | | | | | | | | | | | |
| Arnold C | 1 | B | 26-17-30 | 4051 | 15435 | 19486 | 16799 | 36285 | 15855 | 52140 | |
| " | 2 | A | " | 788 | 15388 | 16176 | 16858 | 33034 | 15401 | 48435 | |
| " D | 1 | F | 27-17-30 | | 364 | 364 | 365 | 729 | 319 | 1048 | |
| " | 3 | C | " | | | | 4237 | 4237 | 2206 | 6443 | |
| " E | 1 | P | 23-17-30 | 73457 | 2783 | 76240 | 3104 | 79344 | 2629 | 81973 | |
| " | 2 | O | " | | 7508 | 7508 | 6029 | 13537 | 4745 | 18282 | |
| Beeson B | 1 | A | 33-17-30 | 6192 | 4089 | 10281 | 3268 | 13549 | 2780 | 16329 | |
| Maddren-B A | 1 | P | 28-17-30 | 64691 | 6121 | 70812 | 3869 | 74681 | 8617 | 83298 | |
| " B | 1 | M | 27-17-30 | 70373 | 7521 | 77894 | 5621 | 83515 | 7766 | 91281 | |
| " | 2 | L | " | | 51359 | 4104 | 55463 | 3024 | 58487 | 4029 | 62516 |
| " | 3 | N | " | | 35566 | 15656 | 51222 | 10714 | 61936 | 8882 | 70818 |
| " | 4 | K | " | | 29522 | 2256 | 31778 | 1184 | 32962 | 773 | 33735 |
| " | 5 | O | " | | 26699 | 7065 | 33764 | 1066 | 34830 | 705 | 35535 |
| " | 6 | J | " | | 19174 | 12038 | 31212 | 7156 | 38368 | 5472 | 43840 |
| " | 7 | D | " | | 15744 | 15232 | 30976 | 8957 | 39933 | 5036 | 44969 |
| " | 8 | L | 26-17-30 | | 8140 | 14847 | 22987 | 8745 | 31732 | 4491 | 36223 |
| " E | 1 | O | 28-17-30 | | 4998 | 580 | 5578 | 554 | 6132 | 417 | 6549 |
| REPOLLO OIL CO. | | | | | | | | | | | |
| Beeson A | 2 | A | " | | 41297 | 2576 | 43873 | 2319 | 46192 | 2158 | 48350 |
| " | 3 | I | " | | 63554 | 8949 | 72503 | 7973 | 80476 | 6863 | 87339 |
| WOOLLEY, ROLAND RICH | | | | | | | | | | | |
| Arnold A | 1 | I | 27-17-30 | | 15341 | 10364 | 25705 | 6661 | 32366 | 4267 | 36633 |
| " | 2 | G | 26-17-30 | | | 15223 | 15223 | 17107 | 32330 | 11951 | 44281 |
| " | 3 | H | " | | | 13181 | 13181 | 15909 | 29090 | 8356 | 37446 |
| " | 4 | M | 23-17-30 | | | | 16429 | 16429 | 15865 | 32294 | |
| " | 7 | P | 22-17-30 | | | | | | 1662 | 1662 | |
| " B | 1 | D | 34-17-30 | | 18836 | 2903 | 21739 | 1929 | 23668 | 2150 | 25818 |

PRODUCTION DATA - PREMIER POOL -- continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-----------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| WOOLLEY, ROLAND RICH | | | | | | | | | | |
| Arnold B | 2 | C | 34-17-30 | 6676 | 2899 | 9575 | 1943 | 11518 | 3319 | 14837 |
| " | 3 | M | 26-17-30 | 5964 | 3840 | 9804 | 2008 | 11812 | 1080 | 12892 |
| " | 4 | G | 27-17-30 | | 10858 | 10858 | 8923 | 19781 | 4537 | 24318 |
| " | 5 | E | " | | 3612 | 3612 | 10550 | 14162 | 6474 | 20636 |
| " | 7 | O | 22-17-30 | | | | | | 4270 | 4270 |
| Woolley | 1 | C | 28-17-30 | | | | | | 813 | 813 |
| FIELD TOTAL | | | | 617243 | 383307 | 1000550 | 401387 | 1401937 | 296915 | 1698852 |

RED LAKE POOL

LOCATION: T. 17 S., R. 28 E. SW $\frac{1}{4}$ sec. 2, S $\frac{1}{2}$ sec. 3, all secs. 4, 5, 8, 9, 10, W $\frac{1}{2}$ sec. 11, W $\frac{1}{2}$ sec. 14, all secs. 15, 16, 17, 20 to 26, incl., N $\frac{1}{2}$ sec. 27, N $\frac{1}{2}$ sec. 28, N $\frac{1}{2}$ sec. 29, NE $\frac{1}{4}$ sec. 30.

DISCOVERY DATE: 1924.

DISCOVERY WELL: Etz, Hammond & Keyes No. 1 State, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 16-17-28. T.D. 1964'. Initial potential, 25 bbls. oil per day from Grayburg. Top Queen, 1198'. Elevation 3562'.

GRAVITY OF OIL: 29.2° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 40'.

PRODUCING FORMATION: Yates, Seven Rivers, Queen, Grayburg, and San Andres.

AVERAGE PRODUCING DEPTH: Yates, 790' to 865'; Grayburg, 1710' to 2115'.

DEEPEST TEST: Flynn, Welch & Yates No. 78 State, SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26-17-28. T.D. 3700'. Temporarily abandoned. Top Salado, 315' Base Salado, 390'; Top Queen, 1380'. Elevation 3678'.

OIL WELLS, as of 1-1-46:

| | |
|----------|----|
| Flowing | 10 |
| Pumping | 42 |
| Gas lift | 0 |
| Shut in | 7 |

GAS WELLS:

| | |
|-----------|----|
| Producing | 5 |
| Shut in | 11 |

ABANDONED WELLS: 28

TOTAL WELLS DRILLED: 103

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|---------------|---------------|---------------|
| No. of producing wells | 21 | 25 | 42 |
| Yearly production | 50,582 | 57,714 | 135,416 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 408,280 bbls. | 465,992 bbls. | 610,410 bbls. |

GAS PRODUCTION: no accurate figures available.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 1120 acres.

PER-ACRE RECOVERY to 1-1-46: 545 bbls.

Internal gas-drive type reservoir.

SUBSURFACE COMPLETION DATA - RED LAKE POOL

| COMPANY LEASE | W | U | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING | | TUBING | |
|------------------------|----|---|----------|---------------|-----------------------------------|-------|----------|------|-------------------------------|------------|-------|--------|-------|
| | E | N | | | | | | | | SIZE | DEPTH | SIZE | DEPTH |
| L | I | L | T | | | | | | | | | | |
| AID, HERBERT | | | | | | | | | | | | | |
| FWY-State | 1 | C | 25-17-28 | 12-1-43 | P-5 | 3682 | 862 | 825 | | 5 1/2 | 815 | 2 | 827 |
| ASTON & FAIR | | | | | | | | | | | | | |
| State 30 | 1 | A | 30-17-28 | 12-31-45 | F-35 | 3565 | 1871 | 1773 | 180q 1767-1812 | 7 | 1665 | 2 | 1770 |
| FLYNN, WELCH & YATES | | | | | | | | | | | | | |
| State | 77 | G | 26-17-28 | 10-7-44 | F-15 | 3679 | 2113 | 2063 | 60q 2063-80 | 7 | 1945 | 2 | 2111 |
| " | 78 | F | " | 2-19-45 | Temp.) Abnd.) | 3678 | 3700 | | | 8 1/2 | 300 | | |
| " | 79 | E | 25-17-28 | 2-20-45 | P&A | 3666 | 2200 | | | | | | |
| HAMMOND BROS. | | | | | | | | | | | | | |
| Welch-State | 2 | K | 15-17-28 | 7-16-46 | P-5 | 3533 | 2025) | 3533 | | 7 | 1525 | 2 | 1964 |
| | | | | | | | PB 1985) | | | | | | |
| PATON BROS. | | | | | | | | | | | | | |
| State | 1 | J | 21-17-28 | 2-25-44 | P-20 | 3645 | 2007 | 1955 | 200q 1930-2007 | 7 | 1768 | 2 | 1980 |
| PHILLIPS & RAMSEY | | | | | | | | | | | | | |
| State | 5 | I | 9-17-28 | 1-5-45 | P&A | 3523 | 2345 | | 140q 1725-87 | | | | |
| " | 4 | H | " | 9-1-44 | P&A | 3520 | 682 | | 40q 645-62 | | | | |
| RED LAKE OIL CO. | | | | | | | | | | | | | |
| State | 10 | L | 21-17-28 | 2-25-45 | F-75 | 3619 | 2048 | 2014 | 140q 1965-2048 | 6 5/8 | 1736 | | |
| " | 11 | N | " | 12-21-44 | F-45 | 3614 | 2025 | 1922 | 120q 1922-2009 | 7 | 1743 | 2 | 2000 |
| " | 12 | D | 28-17-28 | 5-28-45 | F-100 | 3597 | 1985 | 1880 | 120q 1878-1970 | 6 5/8 | 1658 | 2 | 1981 |
| " | 13 | M | 21-17-28 | 11-1-45 | F-45 | 3595 | 1985 | 1884 | 130q 1886-1970 | 7 | 1655 | 2 | 1935 |
| Williams A | 3 | F | " | 7-21-45 | P&A | 3659 | 2100 | | | | | | |
| " B | 1 | F | 29-17-28 | 4-13-45 | F-20 | 3620 | 1951 | 1813 | 100q 1815-1951 | 7 | 1600 | | |
| SAIKIN & AID | | | | | | | | | | | | | |
| FWY-State | 2 | F | 25-17-28 | 3-10-44 | P-11 | 3681 | 836 | 809 | 20q 809-14 | 5 1/2 | 803 | 2 | 809 |
| " | 3 | K | " | 4-30-44 | F-15 | 3683 | 799 | 792 | 10q 789-99 | 7 | 765 | 2 | 789 |
| " | 4 | H | 26-17-28 | 6-3-44 | Temp.) Abnd.) | 3679 | 825 | | | 7 | 739 | | |
| SCANNELL, E. E. | | | | | | | | | | | | | |
| State | 1 | O | 20-17-28 | 3-6-45 | F-75 | 3622 | 1954 | 1886 | 145q 1886-1954 | 7 | 1665 | 2 | 1900 |
| " | 2 | P | " | 6-9-45 | F-49 | 3609 | 1935 | 1869 | 130q 1871-1935 | 7 | 1741 | 2 | 1903 |
| " | 1 | H | 30-17-28 | 8-20-45 | F-8 | 3539 | 1829 | 1752 | 175q 1752-1829 | 7 | 1677 | 2 | 1820 |
| SOUTHERN UNION GAS CO. | | | | | | | | | | | | | |
| State | 1 | K | 21-17-28 | 7-15-44 | F-45 | 3625 | 2033 | 1953 | 90q 1946-2033 | 7 | 1710 | 2 | 2023 |
| " | 2 | C | 29-17-28 | 12-31-44 | F-240 | 3580 | 1876 | 1802 | | 7 | 1696 | 2 | 1860 |

SUBSURFACE COMPLETION DATA - RED LAKE POOL - continued

| COMPANY LEASE | W L | U I | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|------------------------------------|--------|--------|----------|---------------|-----------------------------------|-------|------|------|--------------|-----------|------------|-------|--------|-------|
| | | | | | | | | | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| SOUTHERN UNION GAS CO. - continued | | | | | | | | | | | | | | |
| State | 3 | D | 29-17-28 | 3-2-45 | F-75 | 3574 | 1880 | 1804 | 220q | 1794-1880 | 7 | 1697 | 2 | 1855 |
| " | 4 | A | " | 2-26-45 | F-120 | 3591 | 1920 | 1845 | 120q | 1845-1920 | 7 | 1729 | 2 | 1910 |
| " | 5 | B | " | 4-1-45 | F-104 | 3587 | 1920 | 1835 | 165q | 1835-1920 | 7 | 1750 | 2 | 1895 |
| " | 7 | I | " | 5-26-45 | Temp.) Abnd.) | 3663 | 2353 | | | | 7 | 1800 | | |

PRODUCTION DATA - RED LAKE POOL

| COMPANY LEASE | W L | U I | S-T-R | CUMULATIVE 1943 | | CUMULATIVE 1944 | | CUMULATIVE 1945 | | CUMULATIVE 1946 | |
|---|--------|--------|-----------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 | PROD. |
| AID, HERBERT | | | | | | | | | | | |
| FWY-State | 1* | C | 25-17-28 | | | | 868 | 868 | 640 | 1508 | |
| " | 2* | F | " | | | | 1274 | 1274 | 853 | 2127 | |
| " | 3* | K | " | | | | 1109 | 1109 | 854 | 1963 | |
| " | 2 | A | " | 2073 | | 2073 | | 2073 | | 2073 | |
| Wentz-State | 1 | C | 24-17-28 | 1707 | 1032 | 2739 | 885 | 3624 | 693 | 4317 | |
| ASTON & FAIR | | | | | | | | | | | |
| State | 1 | A | 30-17-28 | | | | | | | | |
| FLYNN, WELCH & YATES | | | | | | | | | | | |
| State | 77 | G | 26-17-28 | | | | | | 4189 | 4189 | |
| HAMMOND, T. B. | | | | | | | | | | | |
| State | 1 | N | 15-17-29) | | 1260) | | 1202) | | 888) | | |
| " | 2 | K | ") | 2266 | 1339) | 4865 | 1383) | 7450 | 897) | 9235 | |
| KEYES, F. G. | | | | | | | | | | | |
| State | 1 | A | 9-17-28 | | 585 | 585 | | 585 | | 585 | |
| " | 3 | H | " | 2588 | | 2588 | | 2588 | | 2588 | |
| PATON BROS. & SERGENT | | | | | | | | | | | |
| State | 1 | J | 21-17-28 | | | | 1487 | 1487 | 1309 | 2796 | |
| PHILLIPS & RAMSEY (Formerly Tigner-Etz and Keyes & Keyes) | | | | | | | | | | | |

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| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------------|--------|-------------|-----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| RED LAKE OIL CO. | | | | | | | | | | |
| Reid | 1 | G | 20-17-28 | 74039 | 2803 | 76842 | 3050 | 79892 | 2563 | 82455 |
| " | 2 | A | " | 1818 | 2802 | 4620 | 3055 | 7675 | 2462 | 10137 |
| State | 1,6 | K | 22-17-28) | | 2475) | | 2465) | | 1848) | |
| " | 2 | F | ") | | 1236) | | 1231) | | 921) | |
| " | 3 | G | ") | | 1239) | | 1231) | | 1025) | |
| " | 4,8 | L | ") | | 2474) | | 2463) | | 1743) | |
| " | 5 | B | 27-18-28) | | 392) | | 235) | |) | |
| " | 7 | J | 22-17-28) | | 1239) | | 1230) | | 924) | |
| " | 9 | E | ") | 93478 | 1239) | 103772 | 1232) | 113859 | 921) | 121241 |
| " | 10 | L | 21-17-28 | | | | | | 8489 | 8489 |
| " | 11 | N | " | | | | | | 11410 | 11410 |
| " | 12 | D | 28-17-28 | | | | | | 6201 | 6201 |
| " | 13 | M | 21-17-28 | | | | | | 2021 | 2021 |
| Stephn A | 2 | H | 20-17-28 | 10973 | 6118 | 17091 | 4388 | 21479 | 3693 | 25172 |
| Williams A | 1,2 | E | 21-17-28 | 79424 | 10093 | 89517 | 10910 | 100427 | 9817 | 110244 |
| " B | 1 | F | 29-17-28 | | | | | | 2133 | 2133 |
| SCANNELL, E. E. | | | | | | | | | | |
| State | 1 | O | 20-17-28 | | | | | | 8230 | 8230 |
| " | 2 | P | " | | | | | | 3723 | 3723 |
| " | 1 | H | 30-17-28 | | | | | | 314 | 314 |
| SOUTHERN UNION GAS CO. | | | | | | | | | | |
| Reid | 1 | F | 29-17-28 | | | | | | 2859 | 2859 |
| " | 2 | B | 20-17-28 | | | | | | 541 | 541 |
| State | 1 | H | 21-17-28 | | | | 679 | 679 | 3095 | 3774 |
| " | 2 | C | 29-17-28 | | | | | | 7038 | 7038 |
| " | 3 | D | " | | | | | | 5437 | 5437 |
| " | 4 | A | " | | | | | | 2828 | 2828 |
| " | 5 | B | " | | | | | | 6326 | 6326 |
| Thompson | 1 | K | 20-17-28 | | | | 667 | 667 | 4991 | 5658 |
| " | 2 | L | " | | | | 462 | 462 | 1749 | 2211 |
| " | 3 | N | " | | | | | | 1904 | 1904 |
| " | 4 | M | " | | | | | | 4615 | 4615 |
| TIGNER, ETZ & KEYES | | | | | | | | | | |
| Keyes A | 6 | E | 10-17-28 | 3302 | 343 | 3645 | | 3645 | | 3645 |
| " | 7 | L | " | 1161 | 38 | 1199 | | 1199 | | 1199 |

PRODUCTION DATA - RED LAKE POOL - continued

| COMPANY LEASE | W E L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--------------------------|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| WELCH & WELCH | | | | | | | | | | |
| State | 1 | J | 20-17-28 | 27047 | 4406 | 31453 | 4634 | 36087 | 3610 | 39697 |
| " | 2 | I | " | 28373 | 4411 | 32784 | 4636 | 37420 | 3612 | 41032 |
| " | 3 | A | " | | | | | | 2417 | 2417 |
| FIELD TOTAL | | | | 357698 | 50582 | 408280 | 57714 | 465994 | 135416 | 601410 |

ROBINSON POOL

LOCATION: T. 16 S., R. 31 E. S $\frac{1}{2}$ sec. 25, E $\frac{1}{2}$, SE $\frac{1}{4}$ sec. 34, all
sec. 35, N $\frac{1}{2}$, SW $\frac{1}{4}$ sec. 36

T. 16 S., R. 32 E. SW $\frac{1}{4}$ sec. 30, NW $\frac{1}{4}$ sec. 31.

DISCOVERY DATE: August 1927.

DISCOVERY WELL: The Texas Co. No. 1 Robinson, sec. 25-16-31.

T.D. 4015'. Initial potential, pump 25
bbls. oil per day. Top Rustler, 950';
Base Salado, 2110'; Top Yates, 2310'; Top
Queen, 3210'; Top San Andres, 3925'.
Elevation 4223'.

GRAVITY OF OIL: 34.5° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 40'.

PRODUCING FORMATION: Grayburg, San Andres.

AVERAGE PRODUCING DEPTH: 3550' to 4020'.

DEEPEST TEST: Repollo Oil Co. No. 3 West, NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 3-17-31.

T.D. 4483'. P. & A. Completed 7-5-39. Top
Rustler, 625'; Top Salado, 815'; Base Salado,
1815'; Top Yates, 1985'; Top Queen, 2895';
Top San Andres, 3595'. Elevation 3999'.

OIL WELLS, as of 1-1-46:

| | |
|----------|----|
| Flowing | 4 |
| Pumping | 12 |
| Gas lift | 0 |
| Shut in | 1 |

GAS WELLS: 0

ABANDONED WELLS: 3

TOTAL WELLS DRILLED: 20

OIL PRODUCTION:

| | | | |
|------------------------|---------------|---------------|---------------|
| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 11 | 11 | 15 |
| Yearly production | 31,194 | 23,722 | 27,462 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 447,103 bbls. | 470,825 bbls. | 498,287 bbls. |

GAS PRODUCTION: estimated, cumulative to 1-1-46, 210 million cu. ft.

WATER PRODUCTION: none reported

AREA OF PROVEN PRODUCTION: 600 acres.

PER-ACRE RECOVERY to 1-1-46: 830 bbls.

Internal gas-drive type reservoir.

SUBSURFACE COMPLETION DATA - ROBINSON POOL

| COMPANY LEASE | W U E N L I L T | | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|-------------------|--------------------------|---|----------|---------------|---------------------------|-------|----------|--------------|------|------------|-------|--------|------|-------|
| | | | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| CARPER DRILG. CO. | | | | | | | | | | | | | | |
| Johnson B | 1 | I | 34-16-31 | 1-10-45 | F-120 | 4025 | 3855 | 3570 | 320q | 3545-3765 | 5 1/2 | 3465 | 2 | 3500 |
| " | 2 | P | " | 4-27-45 | F-20 | 4012 | 3768 | 3544 | 140q | 3540-3768 | 5 1/2 | 3465 | 2 | 3500 |
| HARRISON, R. L. | | | | | | | | | | | | | | |
| State | 2 | A | 36-16-31 | 2-27-45 | F-25 | 4165 | 4232) | 3842 | 180q | 3842-87 | 7 | 3710 | 2 | 3820 |
| | | | | | | | PB 4025) | | | | | | | |

PRODUCTION DATA - ROBINSON POOL

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| COMPANY LEASE | W U E N L I L T | | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-------------------|--------------------------|---|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | | | | | | | | | | |
| CARPER DRILG. CO. | | | | | | | | | | |
| Johnson A | 1 | G | 35-16-31 | 70044 | 7566 | 77610 | 5334 | 82944 | 4512 | 87456 |
| " | 2 | H | " | 31525 | 1478 | 33003 | 1662 | 34665 | 1228 | 35893 |
| " | 3 | K | " | 2745 | 3751 | 6496 | 3286 | 9782 | 2403 | 12185 |
| " | 4 | N | " | 12411 | 3324 | 15735 | 2453 | 18188 | 1723 | 19911 |
| " B | 1 | I | 34-16-31 | | | | | | 5828 | 5828 |
| " | 2 | P | " | | | | | | 1595 | 1595 |
| Robinson A | 1 | K | 25-16-31 | 45269 | 73 | 45342 | | 45342 | | 45342 |
| " | 2 | L | " | 1457 | 265 | 1722 | 2058 | 3780 | 926 | 4706 |
| " | 3 | O | " | 53104 | 3112 | 56216 | 1344 | 57560 | 470 | 58030 |
| " | 4 | N | " | 53135 | 3115 | 56250 | 2091 | 58341 | 708 | 59049 |
| HARRISON, R. L. | | | | | | | | | | |
| State | 1 | B | 36-16-31 | 34567 | 6507 | 41074 | 3682 | 44756 | 2485 | 47241 |
| " | 2 | A | " | | | | | | 242 | 242 |
| SUPPES, G. B. | | | | | | | | | | |
| Johnson A | 1 | F | 35-16-31 | 27712 | 809 | 28521 | 697 | 29218 | 1534 | 30752 |
| " | 2 | I | " | 31674 | 1194 | 32868 | 699 | 33567 | 1536 | 35103 |
| " | 3 | L | " | 29922 | | 29922 | 416 | 30338 | 2029 | 32367 |
| " | 4 | D | " | 22344 | | 22344 | | 22344 | 243 | 22587 |
| FIELD TOTAL | | | | 415909 | 31194 | 447103 | 23722 | 470825 | 27462 | 498287 |

RUSSELL POOL

LOCATION: T. 20 S., R. 28 E. S $\frac{1}{2}$ sec. 12, all secs. 13, 14, 23,
W $\frac{1}{2}$ sec. 24.

DISCOVERY DATE: March 1942.

DISCOVERY WELL: Neil H. Wills No. 1 Wills, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13-20-28.
T.D. 906'. Initial potential, pump 27 bbls.
oil per day. Completed 3-30-42. Base Salado,
583'; Top Yates, 745'. Elevation 3250'.

GRAVITY OF OIL: 38.2° API. SULFUR 0.8%.

AVERAGE THICKNESS OF PAY ZONE: 45'.

PRODUCING FORMATION: Yates.

AVERAGE PRODUCING DEPTH: 770' to 960'.

DEEPEST TEST: Midwest No. 1 Mell, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 23-20-28. T.D. 2500'.
P. & A. Top Salado, 500'; Base Salado, 630';
Top Yates, 770'. Elevation 3242'.

OIL WELLS, as of 1-1-46:

| | |
|----------|----|
| Flowing | 0 |
| Pumping | 24 |
| Gas lift | 0 |
| Shut in | 0 |

GAS WELLS:

| | |
|-----------|---|
| Producing | 0 |
| Shut in | 3 |

ABANDONED WELLS: 13

TOTAL WELLS DRILLED: 40

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|--------------|--------------|---------------|
| No. of producing wells | 9 | 12 | 24 |
| Yearly production | 27,722 | 45,622 | 101,073 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 32,607 bbls. | 78,229 bbls. | 179,302 bbls. |

GAS PRODUCTION: small (none reported).

WATER PRODUCTION: water produced; actual figures not available.

AREA OF PROVEN PRODUCTION: 640 acres.

PER-ACRE RECOVERY to 1-1-46: 280 bbls.

Water-drive type of reservoir.

SUBSURFACE COMPLETION DATA - RUSSELL POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY -PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|-------------------------------|-------------|------------------|----------|---------------|----------------------------|-------|---------|--------------|------|------------|------|--------|-------|-------|
| | | | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| BRYANT & JOHNSON | | | | | | | | | | | | | | |
| Vickers | 1 | B | 23-20-28 | 9-15-44 | P-35 | 3234 | 954 | 925 | 40q | 740-70 | 7 | 711 | 2 | 952 |
| JAMISON & POLLARD | | | | | | | | | | | | | | |
| Crosby | 1 | P | 11-20-28 | 10-24-44 | P&A | 3254 | 1051 | | | | 7 | 736 | | |
| " | 2 | N | 12-20-28 | 2-26-45 | P&A | 3258 | 907 | | 60q | 855-907 | 7 | 721 | | |
| " | 3 | E | 11-20-28 | 6-30-45 | P&A | 3259 | 1188 | | | | 10 | 460 | | |
| LEVERS, T. E. | | | | | | | | | | | | | | |
| Levers | 1 | C | 25-20-28 | 9-30-43 | P&A | 3253 | 971 | | | | | | | |
| " | 2 | C | 26-20-28 | 11-16-43 | P&A | 3238 | 1062 | | | | | | | |
| McKENZIE, W. R. | | | | | | | | | | | | | | |
| Yates | 1 | L | 18-20-29 | 4-17-43 | P&A | 3256 | 1040 | | | | | | | |
| " | 2 | A | 7-20-29 | 11-20-43 | P&A | 3278 | 1134 | | | | | | | |
| SCHUSTER, ET AL. | | | | | | | | | | | | | | |
| Vickers | 1 | E | 24-20-28 | 1-23-44 | P&A | 3241 | 987 | | | | | | | |
| SUDDERTH, W. A. | | | | | | | | | | | | | | |
| Wills A | 1 | K | 14-20-28 | 12-31-45 | MCF-300 | 3241 | 965) | 805 | | | 7 | 631 | | |
| | | | | | | | PB 930) | | | | | | | |
| SUDDERTH, W. A. & H. A. HICKS | | | | | | | | | | | | | | |
| Vickers | 1 | A | 23-20-28 | 11-20-43 | P-360 | 3238 | 916 | 903 | | | 7 | 659 | 2 1/2 | 915 |
| " | 2 | G | " | 6-17-44 | P&A | 3236 | 1007 | | | | | | | |
| Wills | 2 | N | 14-20-28 | 4-23-43 | MCF-4670 | 3239 | 887 | | | | 7 | 632 | | |
| TURNER, GEORGE | | | | | | | | | | | | | | |
| Crosby | 1 | O | 12-20-28 | 12-20-44 | F-40 | 3250 | 882 | 847 | 70q | 847-82 | 7 | 752 | 2 | 875 |
| " | 2 | O | " | 3-23-45 | P-120 | 3259 | 906 | 850 | 70q | 850-95 | 7 | 764 | 2 | 850 |
| " | 3 | P | " | 6-28-45 | P&A | 3260 | 900 | | | | 7 | 795 | | |
| Wills | 3X | J | 13-20-28 | 3-14-43 | P-25 | 3251 | 869 | 842 | 30q | 841-59 | 7 | 727 | 2 | 865 |
| " | 4 | F | " | 4-26-43 | F-75 | 3252 | 815 | 790 | 30q | 790-815 | 7 | 727 | 2 | 814 |
| " | 5 | O | " | 7-13-43 | P&A | 3242 | 1028) | | 40q | 840-66 | 7 | 710 | | |
| | | | | | | | PB 900) | | | | | | | |
| " | 6 | C | " | 9-22-43 | P-25 | 3256 | 855 | 831 | 40q | 830-50 | 7 | 730 | 2 | 835 |
| " | 7 | O | " | 9-25-44 | P-25 | 3252 | 838 | 806 | 25q | 806-30 | 7 | 720 | 2 | 815 |
| " | 8 | F | " | 10-30-44 | P & | 3252 | 814 | 790 | 50q | 790-814 | 7 | 702 | 2 | 810 |
| | | | | | | | F-40 | | | | | | | |
| " | 9 | C | " | 2-15-45 | P-50 | 3255 | 850 | 824 | 50q | 824-49 | 7 | 740 | 2 | 848 |
| " | 10 | J | " | 5-5-45 | P-42 | 3251 | 870 | 844 | 50q | 844-69 | 7 | 706 | | |
| " | 11 | M | " | 6-20-45 | P-55 | 3246 | 815 | 785 | 50q | 790-815 | 7 | 760 | | |

| COMPANY LEASE | W U E N L I L T | | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|------------------|--------------------------|---|----------|---------------|---------------------------|-------|------|--------------|------|------------|-------|--------|------|-------|
| | | | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| TURNER, GEORGE | - continued | | | | | | | | | | | | | |
| Wills | 12 | K | 13-20-28 | 7-29-45 | F-200 | 3251 | 852 | 825 | 70q | 825-52 | 7 | 765 | 2 | 850 |
| WILLS, NEIL H. | | | | | | | | | | | | | | |
| Wills | 3 | G | " | 9-14-43 | P-40 | 3253 | 845 | 817 | 20q | 817-37 | 7 | 779 | 2 | 825 |
| " | 4 | E | " | 9-19-44 | P-5 | 3253 | 873 | 787 | 80q | 770-853 | 7 | 736 | 2 | 850 |
| " | 5 | B | " | 2-9-45 | P-288 | 3255 | 856 | 828 | | | 7 | 770 | 2 | 829 |
| " | 6 | M | " | 4-26-45 | P-31 | 3247 | 831 | 803 | 50q | 850-922 | 7 | 735 | 2 | 825 |
| " | 7 | G | " | 3-23-45 | P-156 | 3253 | 839 | 816 | 40q | 816-36 | 5 1/2 | 765 | 2 | 838 |
| " | 8 | A | " | 5-27-45 | P-96 | 3256 | 878 | 855 | 40q | 855-73 | 7 | 740 | 2 | 840 |
| " | 9 | H | " | 6-19-45 | P&A | 3253 | 880 | | 40q | 864-80 | 7 | 800 | | |
| " | 10 | L | " | 7-13-45 | P-140 | 3249 | 807 | 775 | 50q | 775-800 | 7 | 740 | 2 | 807 |
| Yates, M. | 1 | M | 7-20-29 | 2-6-44 | P&A | 3268 | 1057 | | | | 7 | 1022 | | |

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PRODUCTION DATA - RUSSELL POOL

| COMPANY LEASE | W U E N L I L T | | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-------------------------|--------------------------|---|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | | | | | | | | | | |
| SUDDERTH, W. A. & H. A. | HICKS | | | | | | | | | |
| Vickers | 1 | A | 23-20-28 | | 386 | 386 | 1382 | 1768 | 4514 | 6282 |
| TURNER, GEORGE | | | | | | | | | | |
| Crosby | 1,2 | O | 12-20-28 | | | | 450 | 450 | 11149 | 11599 |
| Turner-Govt. | 1,11 | N | 13-20-28 | 239 | 4128 | 4367 | 5169 | 9536 | 6380 | 15916 |
| " | 2,12 | K | " | | 4130 | 4130 | 5170 | 9300 | 8359 | 17659 |
| Wills | 4 | F | " | | 3224 | 3224 | 5269 | 8493 | 4773 | 13266 |
| " | 6 | C | " | | 974 | 974 | 3141 | 4115 | 2675 | 6790 |
| " | 7 | O | " | | | | 1302 | 1302 | 4059 | 5361 |
| " | 8 | F | " | | | | 775 | 775 | 4771 | 5546 |
| " | 9 | C | " | | | | | | 2675 | 2675 |
| " X | 3,10 | J | " | | 3673 | 3673 | 5168 | 8841 | 6380 | 15221 |
| WILLS, NEIL H. | | | | | | | | | | |
| Wills | 1,10 | L | " | 2331 | 4418 | 6749 | 5653 | 12402 | 7891 | 20293 |
| " | 2,6 | M | " | 2265 | 4420 | 6685 | 4782 | 11467 | 7805 | 19272 |
| " | 3,7 | G | " | | 2419 | 2419 | 7361 | 9780 | 11606 | 21386 |

PRODUCTION DATA - RUSSELL POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|----------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| WILIS, NEIL H. - continued | | | | | | | | | | |
| Wills | 4 | E | 13-20-28 | | | | | | 317 | 317 |
| " | 5,11 | B | " | | | | | | 10934 | 10934 |
| " | 8 | A | " | | | | | | 6785 | 6785 |
| FIELD TOTAL | | | | 4835 | 27772 | 32607 | 45622 | 78229 | 101073 | 179302 |

NOTE: 20-acre spacing.

SCANLON POOL

LOCATION: T. 20 S., R. 29 E. SW $\frac{1}{4}$ sec. 29, SE $\frac{1}{4}$ sec. 30.

DISCOVERY DATE: July 1944.

DISCOVERY WELL: Martin Yates, III, No. 1 Stebbins, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 29-20-29.
T.D. 931'. PB 728'. Initial production, flow 5700
MCF gas per day. Rock pressure 290 lbs. Elevation
3241'.

GRAVITY OF OIL: Gas field.

AVERAGE THICKNESS OF PAY ZONE: 7'.

PRODUCING FORMATION: Tansill, Permian.

AVERAGE PRODUCING DEPTH: 700' to 720'.

DEEPEST TEST: Martin Yates, III, No. 2 Stebbins, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 30-20-29.
T.D. 962'. PB 780'. Initial production, flow 5000
MCF gas per day. Elevation 3248'.

OIL WELLS, as of 1-1-46: 0

GAS WELLS:

Producing 0

Shut in 2

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 2

OIL PRODUCTION: none.

GAS PRODUCTION: wells shut in since completion.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 80 acres.

PER-ACRE RECOVERY to 1-1-46: 0.

Gas-drive type reservoir.

SUBSURFACE COMPLETION DATA - SCANLON POOL

| COMPANY | W | U | | COMP. | INITIAL | | | | SHOT OR ACID | OIL STRING | TUBING |
|--------------------|---|---|----------|---------|----------|-------|---------|------|---------------|------------|------------|
| LEASE | E | N | S-T-R | DATE | DAILY | ELEV. | T.D. | T.P. | AMT. INTERVAL | SIZE DEPTH | SIZE DEPTH |
| | L | I | | | PROD. | | | | | | |
| | L | T | | | TEST | | | | | | |
| YATES, MARTIN, III | | | | | | | | | | | |
| Stebbins | 1 | M | 29-20-29 | 7-27-44 | MCF-5700 | 3241 | 931) | 700 | | 8 | 621 |
| | | | | | | | PB 728) | | | | |
| " | 2 | P | 30-20-29 | 2-3-45 | MCF-5000 | 3248 | 962) | 703 | | 7 | 650 |
| | | | | | | | PB 780) | | | | |

SHUGART POOL

LOCATION: T. 18 S., R. 31 E. S $\frac{1}{2}$ sec. 34, SW $\frac{1}{4}$ sec. 35,
T. 19 S., R. 31 E. NW $\frac{1}{4}$ sec. 2, N $\frac{1}{2}$ sec. 3.

DISCOVERY DATE: July 1937.

DISCOVERY WELL: R. A. Shugart No. 1 Coulthard, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 35-18-31.
T.D. 4088'. PB 3920'. Initial potential, pump
42 bbls. oil per day. Top pay, 3440'; Top Salado,
950'; Base Salado, 2155'; Top Yates, 2400'; Top
Queen, 3405'. Elevation 3632'.

GRAVITY OF OIL: 38.2° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 25'.

PRODUCING FORMATION: Yates, Queen.

AVERAGE PRODUCING DEPTH: 2656' to 3475'.

DEEPEST TEST: F. J. Postelle No. 1 Ohio State, NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2-19-31.
T.D. 3953'. P. & A. Base Salado, 2280'; Top
Queen, 3423'. Elevation 3626'.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 9 |
| Pumping | 2 |
| Gas lift | 0 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS 3

TOTAL WELLS DRILLED: 14

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|---------------|---------------|---------------|
| No. of producing wells | 7 | 7 | 11 |
| Yearly production | 76,706 | 70,568 | 83,723 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 265,181 bbls. | 335,749 bbls. | 419,472 bbls. |

GAS PRODUCTION: relatively small volume.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 440 acres.

PER-ACRE RECOVERY to 1-1-46: 953 bbls.

Internal gas-drive type of reservoir.

SUBSURFACE COMPLETION DATA - SHUGART POOL

| COMPANY LEASE | W L | U T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|------------------|--------|--------|----------|---------------|---------------------------|-------|------|--------------|------|------------|------|--------|------|-------|
| | | | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| KEOHANE, B. M. | | | | | | | | | | | | | | |
| Hinkle A | 2 | J | 34-18-31 | 3-13-45 | F-80 | 3629 | 2839 | 2813 | 80q | 2810-38 | 7 | 2655 | 2 | 2808 |
| " | 3 | I | " | 7-15-45 | P-50 | 3627 | 2857 | 2838 | 70q | 2839-57 | 7 | 2675 | 2 | 2827 |
| " B | 1 | N | " | 11-23-44 | P-25 | 3610 | 2685 | 2669 | 40q | 2665-85 | 7 | 2646 | 2 | 2655 |
| " | 2 | K | " | 1-24-45 | F-150 | 3620 | 2742 | 2730 | 20q | 2730-42 | 7 | 2642 | 2 | 2735 |
| POSTELLE, F. J. | | | | | | | | | | | | | | |
| Ohio State | 1 | C | 2-19-31 | 12-10-45 | P&A | 3626 | 3953 | | | | | | | |

PRODUCTION DATA - SHUGART POOL

| COMPANY LEASE | W L | U T | S-T-R | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | |
|-----------------------------|--------|--------|----------|------------|---------------|------------|---------------|------------|---------------|------------|--|
| | | | | TO 1-1-43 | 1943 PROD. | TO 1-1-44 | 1944 PROD. | TO 1-1-45 | 1945 PROD. | TO 1-1-46 | |
| CARPER DRILLING CO., ET AL. | | | | | | | | | | | |
| Day-Quillen | 1 | A | 3-19-31 | 53825 | 11973 | 65798 | 10301 | 76099 | 10729 | 86828 | |
| Hinkle | 1 | O | 34-18-31 | 26394 | 13416 | 39810 | 16466 | 56276 | 10314 | 66590 | |
| " | 2 | P | " | 23954 | 12532 | 36486 | 8132 | 44618 | 4309 | 48927 | |
| KEOHANE, B. M. | | | | | | | | | | | |
| Hinkle A | 1 | L | 35-18-31 | 22675 | 3870 | 26545 | 3350 | 29895 | 7504 | 37399 | |
| " | 2 | J | 34-18-31 | | | | | | 7034 | 7034 | |
| " | 3 | I | " | | | | | | 1940 | 1940 | |
| " B | 1 | N | " | | | | | | 6902 | 6902 | |
| " | 2 | K | " | | | | | | 7391 | 7391 | |
| KEOHANE & SAUNDERS | | | | | | | | | | | |
| McFaddin | 2 | C | 3-19-31 | 28970 | 15814 | 44784 | 14611 | 59395 | 12184 | 71579 | |
| " | 4 | B | " | 21521 | 15817 | 37338 | 14609 | 51947 | 12187 | 64134 | |
| ME-TEX SUPPLY CO. | | | | | | | | | | | |
| State | 1 | D | 2-19-31 | 11136 | 3284 | 14420 | 3099 | 17519 | 3229 | 20748 | |
| FIELD TOTAL | | | | 188475 | 76706 | 265181 | 70568 | 335749 | 83723 | 419472 | |

SHUGART, NORTH, POOL

LOCATION: T. 18 S., R. 31 E. S $\frac{1}{2}$ sec. 8, S $\frac{1}{2}$ sec. 9, S $\frac{1}{2}$ sec. 10,
S $\frac{1}{2}$, NE $\frac{1}{4}$ sec. 11, W $\frac{1}{2}$ sec. 12, NW $\frac{1}{4}$
sec. 13, N $\frac{1}{2}$ sec. 14, all secs.
15, 16, 17, 18, 20, 21, N $\frac{1}{2}$ sec.
22, N $\frac{1}{2}$ sec. 28, N $\frac{1}{2}$ sec. 29.

DISCOVERY DATE: By order effective January 1, 1945, pool established
and defined by New Mexico Oil Conservation Commission.

DISCOVERY WELL: The wells in the North Shugart pool originally were
included in the Shugart pool.

GRAVITY OF OIL: 33° API.

AVERAGE THICKNESS OF PAY ZONE: 15'.

PRODUCING FORMATION: Queen, Permian.

AVERAGE PRODUCING DEPTH: 3100' to 3600'.

DEEPEST TEST: Worth Drlg. Co. No. 1 Taylor B, SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 12-18-31.

T.D. 4890'. PB 4290'. Initial potential, pump
12 bbls. oil per day. Top pay, 4135'; Top Salado,
980'; Top Queen, 3480'. Elevation 3771'.

OIL WELLS, as of 1-1-46:

| | |
|----------|----|
| Flowing | 0 |
| Pumping | 21 |
| Gas lift | 0 |
| Shut in | 4 |

GAS WELLS: 0

ABANDONED WELLS: 7

TOTAL WELLS DRILLED: 33

OIL PRODUCTION:

| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|------------------------|----------------------------|----------------------------|----------------------------|
| No. of producing wells | 25 | 22 | 22 |
| Yearly production | 93,836 | 69,883 | 53,898 |
| Cumulative production | to 1-1-44 565,156 bbls. | to 1-1-45 635,039 bbls. | to 1-1-46 688,937 bbls. |

GAS PRODUCTION: relatively small volume.

WATER PRODUCTION: none reported.

AREA OF PROVEN PRODUCTION: 1000 acres.

PER-ACRE RECOVERY to 1-1-46: 689 bbls.

Internal gas-drive type of reservoir.

SUBSURFACE COMPLETION DATA - SHUGART, NORTH, POOL

| COMPANY LEASE | W L | U I | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|--|--------|--------|----------|---------------|-----------------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|
| | | | | | | | | | | | |
| KENWOOD OIL CO. (Formerly Addison Oil Co.) | | | | | | | | | | | |
| Ginsberg 5B | 2 | K | 17-18-31 | 2-15-44 | P&A | 3653 | 3530 | | | | |
| WILMAR OIL CO. | | | | | | | | | | | |
| Ginsberg A | 4 | N | 8-18-31 | 2-15-44 | P&A | 3652 | 4027 | | 160q 3943-87 | | |
| " | 5 | J | " | 2-16-44 | P&A | 3682 | 3152 | | | | |

PRODUCTION DATA - SHUGART, NORTH, POOL

| COMPANY LEASE | W L | U I | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------|--------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | | | | | | | | | | |
| FULLERTON OIL CO. | | | | | | | | | | |
| Little A | 1 | D | 28-18-31 | 16693 | 2996 | 19689 | 1820 | 21509 | 1121 | 22630 |
| " B | 1 | A | " | 2502 | 260 | 2762 | | 2762 | | 2762 |
| " | 3 | M | 21-18-31 | 8973 | 2083 | 11056 | 1222 | 12278 | 860 | 13138 |
| GREEN BAY CO. | | | | | | | | | | |
| Paton-Erwin | 1 | M | 9-18-31 | 43401 | 5993 | 49394 | 3598 | 52992 | 1995 | 54987 |
| " | 2 | N | " | 43413 | 5996 | 49409 | 3598 | 53007 | 1998 | 55005 |
| Paton-Johnson | 1 | P | 11-18-31 | 16715 | 2921 | 19636 | 2802 | 22438 | 2148 | 24586 |
| JOHNSON, BOB | | | | | | | | | | |
| Swearington | 1 | F | 14-18-31 | 38832 | 9210 | 48042 | 9290 | 57332 | 7737 | 65069 |
| " | 2 | A | " | 16316 | 2902 | 19218 | 2584 | 21802 | 2112 | 23914 |
| KENWOOD OIL CO. (Formerly Addison Oil Co.) | | | | | | | | | | |
| Ginsberg A | 1 | A | 17-18-31 | 37748 | 5626 | 43374 | 3365 | 46739 | 2272 | 49011 |
| " | 2 | G | " | 18511 | 2247 | 20758 | 1329 | 22087 | 914 | 23001 |
| " | 3 | B | " | 19719 | 5585 | 25304 | 3240 | 28544 | 2268 | 30812 |
| " | 4 | H | " | 17024 | 4506 | 21530 | 2704 | 24234 | 1833 | 26067 |
| " B | 1 | K | 18-18-31 | 5779 | 1807 | 7586 | 2075 | 9661 | 1593 | 11254 |
| Shugart | 1 | A | 29-18-31 | 31178 | 5936 | 37114 | 3422 | 40536 | 2897 | 43433 |
| " | 2 | B | " | 5890 | 5155 | 11045 | 4038 | 15083 | 1212 | 12297 |
| MALCO REFINERIES, INC. (Formerly Wilmar Oil Co.) | | | | | | | | | | |

PRODUCTION DATA -- SHUGART, NORTH, POOL -- continued

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------|-------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| MALCO REFINERIES, INC. (Formerly Wilmar Oil Co.) - continued | | | | | | | | | | |
| Ginsberg B | 1 | F | 17-18-31 | 6896 | 1958 | 8854 | 1662 | 10516 | 1004 | 11520 |
| " | 2 | C | " | 5432 | 1963 | 7395 | 1478 | 8873 | 1009 | 9882 |
| ME-TEX SUPPLY CO. | | | | | | | | | | |
| State 16 | 2 | D | 16-18-31 | 2049 | 707 | 2756 | 1468 | 4224 | 197 | 4421 |
| " | 3 | C | " | 2231 | 1320 | 3551 | | 3551 | | 3551 |
| SUPPES & SUPPES (Formerly Shugart, R.) | | | | | | | | | | |
| State N | 1 | G | 16-18-31 | 8490 | 1332 | 9822 | 1381 | 11203 | 1228 | 12431 |
| WORTH DRLG. CO. | | | | | | | | | | |
| Taylor A | 1 | M | 12-18-31 | 41255 | 7101 | 48356 | 6455 | 54811 | 5814 | 60625 |
| " | 2 | L | " | 19237 | 8185 | 27422 | 7180 | 34602 | 7161 | 41763 |
| " B | 1 | E | " | 1012 | 169 | 1181 | | 1181 | | 1181 |
| FIELD TOTAL | | | | 471320 | 93836 | 565156 | 69883 | 635039 | 53898 | 688937 |

SQUARE LAKE POOL

LOCATION: T. 16 S., R. 30 E. S $\frac{1}{2}$ sec. 24, all secs. 25, 26, 27, S $\frac{1}{2}$ sec. 28, E $\frac{1}{2}$ sec. 32, all secs. 33, 34, 35, 36
 T. 16 S., R. 31 E. S $\frac{1}{2}$ sec. 19, S $\frac{1}{2}$ sec. 20, S $\frac{1}{2}$ sec. 21, SW $\frac{1}{4}$ sec. 27, all secs. 28 to 33, incl., W $\frac{1}{2}$ sec. 34
 T. 17 S., R. 30 E. All secs. 1, 2, 3, 4, E $\frac{1}{2}$ sec. 5, N $\frac{1}{2}$ N $\frac{1}{2}$ sec. 11
 T. 17 S., R. 31 E. N $\frac{1}{2}$ sec. 6.

DISCOVERY DATE: November 1941.

DISCOVERY WELL: Sanders Bros. No. 1 Leonard, NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34-16-30. T.D. 2982'. Initial potential, 77 bbls. oil per day with 49 MCF gas from Grayburg. Top Salado, 470'; Base Salado, 1180'; Top Yates, 1345'; Top Queen, 2215'; Top San Andres, 2965'. Elevation 3742'.

GRAVITY OF OIL: 38.7° API. SULFUR: 0.9%.

AVERAGE THICKNESS OF PAY ZONE: 50'.

PRODUCING FORMATION: Sand and limestone of Grayburg and upper San Andres.

AVERAGE PRODUCING DEPTH: 2930' to 3617'.

DEEPEST TEST: S. P. Yates No. 3 Evans, NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 5-17-30. T.D. 6578' in shale of Abo. P. & A. Base Salado, 1050'; Top Yates, 1230'; Top Queen, 2100'; Top San Andres, 2855'; Top Glorieta, 4275'. Elevation 3714'.

OIL WELLS, as of 1-1-46:

| | |
|----------|-----|
| Flowing | 175 |
| Pumping | 13 |
| Gas lift | 0 |
| Shut in | 4 |

GAS WELLS:

| | |
|-----------|---|
| Producing | 0 |
| Shut in | 2 |

ABANDONED WELLS: 10

TOTAL WELLS DRILLED: 204

OIL PRODUCTION:

| | | | |
|---------------------------------|-----------------|-----------------|-----------------|
| | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 127 | 165 | 190 |
| Yearly production | 1,039,903 | 1,139,015 | 992,937 |
| Cumulative production to 1-1-44 | | to 1-1-45 | to 1-1-46 |
| | 1,393,904 bbls. | 2,532,919 bbls. | 3,525,856 bbls. |

GAS PRODUCTION: estimated, cumulative to 1-1-46, 4763 million cu. ft.

WATER PRODUCTION: small (none reported).

AREA OF PROVEN PRODUCTION: 7640 acres.

PER-ACRE RECOVERY to 1-1-46: 462 bbls.

GAS-OIL RATIO: estimated, as of 1-1-46, 2000/1.

Gas-drive type reservoir. Original gas cap located in SW $\frac{1}{4}$ sec. 25-16-30. Original bottom hole pressure, estimated 950 lbs.

| COMPANY LEASE | W | U | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|------------------|---|---|----------|---------------|---------------------------|-------|------|--------------|------|------------|-------|--------|------|-------|
| | L | N | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| ARCHER & JONES | | | | | | | | | | | | | | |
| Etz | 1 | F | 25-16-30 | 4-11-45 | MCF-3000 | 3806 | 3085 | 2979 | | | 5 1/2 | 2902 | | |
| BREWER DRG. CO. | | | | | | | | | | | | | | |
| Etz | 1 | H | 25-17-30 | 9-27-43 | F-72 | 3834 | 3090 | 3020 | 140q | 3020-90 | 5 1/2 | 2902 | 2 | 3080 |
| " | 2 | A | " | 12-9-44 | F-100 | 3846 | 3100 | 3071 | 70q | 3065-3100 | 5 1/2 | 2895 | 2 | 3095 |
| " | 3 | G | " | 1-31-45 | F-75 | 3817 | 3100 | 3023 | | | 5 1/2 | 2900 | 2 | 3100 |
| Etz, Geo. | 1 | D | 30-16-31 | 1-14-44 | F-72 | 3855 | 3090 | 3034 | 120q | 3034-90 | 5 1/2 | 2907 | 2 | 3080 |
| " | 2 | C | " | 11-26-44 | F-200 | 3837 | 3095 | 3029 | 70q | 3065-95 | 5 1/2 | 2970 | 2 | 3090 |
| Grier | 1 | D | 29-16-31 | 1-23-44 | F-90 | 3903 | 3230 | 3175 | 120q | 3170-3230 | 5 1/2 | 3055 | 2 | 3008 |
| " | 2 | C | " | 9-29-44 | F-100 | 3933 | 3296 | 3225 | 50q | 3260-85 | 5 1/2 | 3150 | 2 | 3285 |
| " | 3 | G | 20-16-31 | 1-23-45 | F-75 | 3911 | 3237 | 3165 | 220q | 3150-3237 | 5 1/2 | 3115 | 2 | 3235 |
| Parke | 1 | A | 3-17-30 | 6-8-43 | F-160 | 3753 | 3035 | 2970 | 130q | 2970-3035 | 5 1/2 | 2840 | 2 | 3025 |
| " | 2 | B | " | 6-10-43 | F-125 | 3742 | 3015 | 2950 | 120q | 2950-3015 | 5 1/2 | 2822 | 2 | 3010 |
| " | 3 | G | " | 7-30-43 | F-106 | 3743 | 3021 | 2959 | 130q | 2960-3010 | 5 1/2 | 2820 | 2 | 3010 |
| " | 4 | H | " | 4-20-44 | F-200 | 3750 | 3024 | 2905 | 120q | 2960-3020 | 5 1/2 | 2855 | 2 | 2995 |
| BURNHAM OIL CO. | | | | | | | | | | | | | | |
| State | 1 | E | 2-17-30 | 8-22-43 | F-200 | 3752 | 2960 | 2910 | | | 7 | 2415 | 2 | 2900 |
| " | 2 | L | " | 10-29-43 | F-250 | 3746 | 2933 | 2922 | | | 7 | 2400 | 2 | 2930 |
| " | 3 | F | " | 4-20-43 | F-50 | 3771 | 2958 | 2830 | | | 7 | 2435 | 2 | 2928 |
| " | 4 | J | " | 3-5-44 | F-262 | 3750 | 2964 | 2920 | | | 5 1/2 | 2485 | 2 | 2900 |
| " | 5 | I | " | 10-14-44 | F-60 | 3776 | 3062 | 3030 | 120q | 3030-51 | 7 | 2430 | 2 | 3015 |
| " | 6 | N | " | 12-17-44 | F-120 | 3745 | 2969 | 2954 | | | 7 | 2415 | 2 | 2960 |
| " | 7 | O | " | 3-14-45 | F-100 | 3748 | 3075 | 2945 | 360q | 2932-3075 | 7 | 2435 | 2 | 3070 |
| " | 8 | P | " | 5-7-45 | F-140 | 3766 | 3091 | 2930 | 100q | 2940-65 | 7 | 2435 | 2 | 3020 |
| " | 9 | M | " | 9-23-45 | F-100 | 3737 | 3075 | 2920 | 270q | 3000-75 | 7 | 2406 | 2 | 2952 |
| CARPER DRG. CO. | | | | | | | | | | | | | | |
| Bruning- | | | | | | | | | | | | | | |
| Grier | 1 | E | 29-16-31 | 1-15-44 | F-150 | 3903 | 3279 | 3182 | | | 5 1/2 | 3119 | 2 | 3187 |
| Evarts-Grier | 1 | F | " | 4-23-44 | F-250 | 3926 | 3276 | 3246 | | | 5 1/2 | 3065 | 2 | 3230 |
| " | 2 | G | " | 7-23-44 | F-125 | 3952 | 3376 | 3273 | | | 5 1/2 | 3195 | 2 | 3275 |
| " | 3 | H | " | 10-30-44 | F-50 | 3976 | 3415 | 3315 | | | 5 1/2 | 3252 | 2 | 3315 |
| Grier | 1 | I | " | 8-15-44 | F-100 | 3970 | 3433 | 3335 | | | 5 1/2 | 3240 | 2 | 3385 |
| Johnson B | 3 | E | 34-16-31 | 6-12-45 | SWB-120 | 4008 | 3598 | 3532 | | | 5 1/2 | 3397 | 2 | 3453 |
| " | 4 | D | " | 7-24-45 | F-188 | 4020 | 3617 | 3500 | | | 7 | 3380 | 2 | 3512 |
| Wheatley | 1 | O | 29-16-31 | 10-8-44 | F-200 | 3950 | 3399 | 3290 | 100q | 3295-3385 | 5 1/2 | 3156 | 2 | 3330 |

SUBSURFACE COMPLETION DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. | | | SHOT OR ACID | | OIL STRING | | TUBING | | |
|-----------------------------------|--------|-------------|----------|---------------|---------------------------|-------|----------|--------------|------|------------|-------|--------|------|-------|
| | | | | | TEST | ELEV. | T.D. | T.P. | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| COCKBURN, BARNEY | | | | | | | | | | | | | | |
| Etz | 2X | M | 26-16-30 | 1-15-43 | F-200 | 3780 | 3022 | 2990 | 100q | 2982-3022 | 5 1/2 | 2925 | 2 | 2950 |
| " | 3 | N | " | 3-18-43 | F-175 | 3795 | 3040 | 2953 | 160q | 2960-3040 | 7 | 2880 | 2 | 2700 |
| " | 4 | O | " | 6-12-43 | F-40 | 3780 | 3077 | 2974 | 210q | 2970-3077 | 5 1/2 | 2950 | 2 | 3000 |
| " | 5 | K | " | 5-30-43 | F-80 | 3797 | 3214 | 3045 | 140q | 3170-3214 | 7 | 2358 | 2 | 3130 |
| Etz, Geo. | 15 | C | 35-16-30 | 8-29-43 | F-125 | 3771 | 3027 | 2945 | 125q | 2940-3027 | 7 | 2877 | 2 | 2950 |
| " | 16 | B | " | 11-17-43 | F-50 | 3794 | 3090 | 3048 | 140q | 3029-79 | 7 | 2915 | 2 | 2968 |
| Grier | 1 | L | 31-16-31 | 1-21-43 | F-75 | 3809 | 3060 | 3015 | 170q | 2985-3060 | 5 1/2 | 2955 | 2 | 2900 |
| Overton- State | 9 | I | 36-16-30 | 6-19-43 | F-100 | 3820 | 3100 | 3050 | | | 5 1/2 | 2840 | 2 | 2870 |
| FIDEL, JOHN N. | | | | | | | | | | | | | | |
| Grier | 2 | I | 30-16-31 | 7-31-43 | F-100 | 3859 | 3203 | 3135 | | | 5 1/2 | 3055 | 2 | 3186 |
| " | 3 | B | 29-16-31 | 10-20-44 | F-100 | 3953 | 3342 | 3280 | 160q | 3281-3342 | 5 1/2 | 3260 | 2 | 3270 |
| " | 4 | A | " | 3-3-45 | F-75 | 3972 | 3432 | 3320 | 200q | 3334-3412 | 5 1/2 | 3297 | 2 | 3293 |
| HIGHTOWER, NAY | | | | | | | | | | | | | | |
| Etz, Geo. | 1 | M | 19-16-31 | 5-25-45 | F-60 | 3863 | 3277 | 3030 | 210q | 3010-3175 | 7 | 2855 | 2 | 3160 |
| " | 2 | N | " | 4-30-45 | F-60 | 3865 | 3302 | 3100 | 290q | 3175-3300 | 7 | 2978 | 2 | 3280 |
| Grier | 6 | J | 31-16-31 | 4-11-43 | F-600 | 3807 | 3184 | 3041 | | | 5 1/2 | 2988 | 2 | 2950 |
| " | 7 | H | " | 10-3-43 | F-240 | 3852 | 3285 | 3199 | 170q | 3199-3285 | 5 1/2 | 3055 | 2 | 3194 |
| " | 11 | B | " | 12-9-43 | F-120 | 3832 | 3297 | 3168 | 210q | 3160-3275 | 7 | 3018 | 2 | 3270 |
| " | 12 | J | 30-16-31 | 3-2-44 | F-390 | 3822 | 3228 | 3170 | 140q | 3170-3228 | 7 | 2925 | 2 | 3215 |
| MALCO REFINERIES, INC. | | | | | | | | | | | | | | |
| Evarts | 1 | L | 20-16-31 | 3-27-45 | D&A | 3938 | 3420 | | | | 5 1/2 | 2974 | | |
| MCDANNALD & WILLIAMS | | | | | | | | | | | | | | |
| Grier | 3 | M | 31-16-31 | 2-1-43 | F-65 | 3799 | 3158 | 3094 | 250q | 2995-3115 | 5 1/2 | 2900 | 2 | 2960 |
| " | 4 | N | " | 7-11-43 | P-49 | 3811 | 3576 | 3180 | 320q | 3451-3571 | 5 1/2 | 2947 | 2 | 3128 |
| " | 5 | I | " | 3-28-44 | P&A | 3848 | 3465) | | 480q | 3098-3270 | 7 | 2515 | | |
| | | | | | | | PB 3305) | | 340q | 3044-3190 | | | | |
| MULCOCK, J. B. | | | | | | | | | | | | | | |
| Etz | 2 | C | 25-16-30 | 2-1-43 | MCF-4000 | 3798 | 3016 | 2954 | | | 5 1/2 | 2850 | | |
| NASH, WINDFOHR & BROWN | | | | | | | | | | | | | | |
| Gissler B | 6 | C | 11-17-30 | 7-31-45 | F-200 | 3737 | 3048 | 2934 | 300q | 2934-3048 | 5 1/2 | 2840 | 2 | 3045 |
| Jackson B | 15 | L | 1-17-30 | 1-16-45 | F-100 | 3714 | 3004 | 2885 | 240q | 2884-3004 | 5 1/2 | 2850 | 2 | 3000 |
| PATON BROS. | | | | | | | | | | | | | | |
| Etz- Woodward | 2 | F | 30-16-31 | 12-31-44 | F-200 | 3849 | 3138 | 3065 | 100q | 3060-3130 | 5 | 2950 | 2 | 3090 |

| COMPANY LEASE | W L | U T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|--------------------------------------|--------|--------|----------|---------------|-----------------------------------|-------|-------------------|------|--------------|-----------|------------|-------|--------|-------|
| | | | | | | | | | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| PREMIER PETROLEUM CO. | | | | | | | | | | | | | | |
| Parke F | 1 | K | 3-17-30 | 8-3-43 | F-29 | 3730 | 2994 | 2845 | 130q | 2842-2970 | 7 | 2789 | 2 | 2844 |
| " | 2 | I | " | 10-30-43 | F-272 | 3742 | 3050 | 2910 | 250q | 2910-85 | 7 | 2860 | 2 | 2908 |
| " | 3 | J | " | 12-31-43 | F-240 | 3736 | 2997 | 2975 | 100q | 2968-93 | 7 | 2829 | 2 | 2828 |
| " | 4 | O | " | 2-29-44 | P&A | 3731 | 3375 | | | | | | | |
| RANDEL, O. H. | | | | | | | | | | | | | | |
| State | 1 | F | 2-17-30 | 3-23-43 | F-80 | 3768 | 3045 | 2943 | 180q | 2943-3045 | 7 | 2436 | 2 | 3045 |
| " | 2 | G | " | 8-16-43 | F-125 | 3757 | 3083 | 2925 | 400q | 2910-3083 | 7 | 2445 | 2 | 3000 |
| " | 3 | H | " | 12-31-43 | F-43 | 3756 | 3070 | 2721 | 430q | 2895-3070 | 7 | 2405 | 2 | 3069 |
| REPOLLO OIL CO. | | | | | | | | | | | | | | |
| Keel B | 1 | D | 6-17-31 | 9-1-43 | F-5 | 3815 | 3549) PB 3135) | 3025 | 340q | 3025-3135 | 7 | 2985 | 2 | 3130 |
| SOUTHERN PETROLEUM EXPLORATION, INC. | | | | | | | | | | | | | | |
| State C | 1 | B | 32-16-31 | 6-20-44 | F-75 | 3932 | 3405 | 3301 | 110q | 3313-75 | 5 1/2 | 3205 | 2 | 3350 |
| " | 2 | A | " | 8-28-44 | F-200 | 3953 | 3485 | 3373 | 170q | 3419-3351 | 5 1/2 | 3300 | 2 | 3330 |
| " | 3 | H | " | 11-24-44 | P-25 | 3944 | 3569 | 3370 | 400q | 3360-3569 | 5 1/2 | 3295 | 2 | 3343 |
| " | 4 | G | " | 2-5-45 | F-50 | 3920 | 3470 | 3280 | 400q | 3270-3470 | 5 1/2 | 3210 | 2 | 3318 |
| SUPPES & SUPPES | | | | | | | | | | | | | | |
| Johnson B | 1 | C | " | 4-20-44 | F-264 | 3974 | 3497 | 3383 | 170q | 3418-75 | 7 | 3375 | 2 | 3485 |
| " | 2 | M | 28-16-31 | 10-6-44 | F-135 | 3976 | 3392 | 3373 | | | 5 1/2 | 3344 | 2 | 3360 |
| " | 3 | D | 33-16-31 | 7-28-44 | F-98 | 3969 | 3612 | 3470 | 260q | 3531-3612 | 7 | 3362 | 2 | 3424 |
| " | 4 | L | 28-16-31 | 11-30-44 | F-150 | 3980 | 3469 | 3373 | | | 5 1/2 | 3337 | 2 | 3431 |
| " | 5 | H | 33-16-31 | 1-28-45 | F-216 | 3989 | 3521 | 3465 | | | 5 1/2 | 3387 | 2 | 3465 |
| " | 6 | A | " | 3-31-45 | F-110 | 4001 | 3620 | 3510 | | | 7 | 3410 | 2 | 3510 |
| " | 7 | B | 28-16-31 | 6-14-45 | F-42 | 3998 | 3733 | 3369 | 220q | 3457-3500 | 7 | 3373 | 2 | 3380 |
| " | 8 | L | 34-16-31 | 10-6-45 | F-200 | 3994 | 3728 | 3487 | 430q | 3480-3705 | 5 1/2 | 3396 | 2 | 3690 |
| TEXAS TRADING CO. | | | | | | | | | | | | | | |
| Grier | 2 | N | 29-16-31 | 5-8-43 | F-250 | 3931 | 3354 | 3258 | 70q | 3303-47 | 5 1/2 | 3198 | 2 | 3239 |
| " | 3 | L | " | 3-1-44 | F-200 | 3900 | 3310 | 3295 | | | 5 1/2 | 3193 | 2 | 3210 |
| " | 4 | K | " | 5-1-44 | F-250 | 3928 | 3348 | 3248 | | | 5 1/2 | 3235 | 2 | 3200 |
| Johnson | 1 | D | 33-16-31 | 2-10-44 | F-200 | 3960 | 3470 | 3389 | | | 5 1/2 | 3338 | 2 | 3410 |
| " | 2 | E | " | 4-25-44 | F-175 | 3953 | 3470 | 3358 | 180q | 3360-3452 | 5 1/2 | 3330 | 2 | 3400 |
| " | 3 | B | " | 7-3-44 | F-250 | 3987 | 3611 | 3485 | 380q | 3440-3602 | 5 1/2 | 3381 | 2 | 3467 |
| " | 4 | G | " | 12-15-44 | F-200 | 3975 | 3484 | 3413 | | | 5 1/2 | 3370 | 2 | 3360 |
| " | 5 | K | " | 5-2-45 | F-137 | 3955 | 3616 | 3538 | 250q | 3380-3560 | 5 1/2 | 3350 | 2 | 3560 |
| " | 7 | N | " | 10-14-45 | F-75 | 3954 | 3617 | 3440 | 360q | 3350-3570 | 5 1/2 | 3326 | 2 | 3610 |

SUBSURFACE COMPLETION DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W U E N L I L T | | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH | |
|-------------------------------|--------------------------|---|----------|---------------|-----------------------------------|-------|------|------|-------------------------------|--------------------------|----------------------|------|
| | | | | | | | | | | | | |
| TEXAS TRADING CO. - continued | | | | | | | | | | | | |
| State | 2 | E | 32-16-31 | 6-2-44 | F-12 | 3901 | 3400 | 3250 | 200q 3305-3383 | 5 1/2 3235 | 2 | 3287 |
| " | 3 | C | " | 12-31-43 | F-125 | 3928 | 3370 | 3266 | 135q 3266-3360 | 5 1/2 3255 | 2 | 3344 |
| " | 4 | F | " | 1-17-44 | F-100 | 3904 | 3330 | 3248 | 130q 3240-3330 | 5 1/2 3209 | 2 | 3310 |
| THOMAS, D. D. | | | | | | | | | | | | |
| Grier | 1 | J | 29-16-31 | 12-24-43 | F-400 | 3954 | 3384 | 3310 | | 5 1/2 3211 | 2 | 3295 |
| " | 2 | P | " | 4-5-45 | F-75 | 3968 | 3434 | 3338 | | 5 1/2 3260 | 2 | 3315 |
| Johnson | 1 | K | 28-16-31 | 11-1-43 | P&A | 3995 | 4303 | | | 7 2840 | | |
| " | 2 | N | " | 7-14-44 | F-100 | 4012 | 3398 | 3376 | | 5 1/2 3352 | 2 | 3340 |
| " | 3 | E | " | 1-15-45 | F-75 | 3989 | 3475 | 3376 | 180q 3376-3465 | 5 1/2 3286 | 2 | 3385 |
| " | 4 | D | " | 4-28-45 | F-75 | 3988 | 3475 | 3360 | 280q 3367-3475 | 5 1/2 3329 | 2 | 3380 |
| VICKERS PETROLEUM CORP., INC. | | | | | | | | | | | | |
| Etz, Geo. | 1 | H | 30-16-31 | 1-21-44 | F-132 | 3859 | 3196 | 3105 | | 5 1/2 3085 | 2 | 3105 |
| " | 2 | A | " | 4-6-44 | F-165 | 3868 | 3205 | 3095 | | 5 1/2 3030 | 2 | 2931 |
| " | 3 | G | " | 5-31-44 | F-112 | 3833 | 3195 | 3075 | | 5 1/2 3020 | 2 | 3089 |
| " | 4 | B | " | 7-9-44 | F-150 | 3843 | 3147 | 3060 | | 5 1/2 3004 | 2 | 3050 |
| " | 5 | P | 19-16-31 | 9-29-44 | F-75 | 3873 | 3195 | 3150 | 90q 3155-75 | 5 1/2 3065 | 2 | 3134 |
| " | 6 | O | " | 10-12-44 | F-148 | 3852 | 3161 | 3066 | 200q 3066-3161 | 5 1/2 3018 | 2 | 3130 |
| WESTERN PRODUCTION CO. | | | | | | | | | | | | |
| Nunlee | 1 | P | 27-16-30 | 6-30-43 | F-540 | 3774 | 2993 | 2935 | 140q 2935-93 | 7 2915 | 2 | 2975 |
| " | 2 | O | " | 8-31-43 | F-150 | 3764 | 3034 | 2926 | 230q 2917-3010 | 7 2836 | 2 | 2933 |
| WOODWARD, HOKE L. | | | | | | | | | | | | |
| Valentine | 1 | M | 7-16-31 | 10-1-45 | F-132 | 4032 | 3635 | 3496 | 255q 3490-3590 | 7 3370 | 2 | 3560 |
| Woodward | 1 | E | 30-16-31 | 10-11-44 | F-103 | 3861 | 3150 | 3070 | | 5 1/2 2955 | 2 | 3046 |
| " | 2 | F | " | 1-11-45 | F-200 | 3849 | 3138 | 3065 | 100q 3060-3130 | 5 1/2 2950 | 2 | 3090 |
| WOOLLEY, A. S. | | | | | | | | | | | | |
| McIntyre | 4 | F | 33-17-30 | 4-15-43 | F-110 | 3732 | 2985 | 2827 | 280q 2818-2985 | 5 1/2 2750 | 2 | 2879 |
| YATES, S. P. | | | | | | | | | | | | |
| Evans | 3 | B | 5-17-30 | 5-30-44 | P&A | 3714 | 6587 | | | | | |

PRODUCTION DATA - SQUARE LAKE POOL

| COMPANY LEASE | W L L | U E I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|------------------|-------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| BREWER DRLG. CO. | | | | | | | | | | |
| Etz, A. N. | 1 | H | 25-16-30 | | 4262 | 4262 | 16681 | 20943 | 7175 | 28118 |
| " | 2 | A | " | | | | | | 7176 | 7176 |
| " | 3 | G | " | | | | | | 4794 | 4794 |
| Etz, Geo. | 1 | D | 30-16-31 | | | | 16042 | 16042 | 11307 | 27349 |
| " | 2 | C | " | | | | 1111 | 1111 | 11312 | 12423 |
| Grier | 1 | D | 29-16-31 | | | | 15649 | 15649 | 10038 | 25687 |
| " | 2 | C | " | | | | 3862 | 3862 | 10038 | 13900 |
| " | 3 | M | 20-16-31 | | | | | | 8471 | 8471 |
| Parke | 1 | A | 3-17-30 | | 6578 | 6578 | 6667 | 13245 | 4258 | 17503 |
| " | 2 | B | " | | 6579 | 6579 | 6670 | 13249 | 3783 | 17032 |
| " | 3 | G | " | | 1620 | 1620 | 6048 | 7668 | 3785 | 11453 |
| " | 4 | H | " | | | | 4952 | 4952 | 3783 | 8735 |
| BURNHAM OIL CO. | | | | | | | | | | |
| State | 1 | E | 2-17-30 | | 5454 | 5454 | 14254 | 19708 | 7517 | 27225 |
| " | 2 | L | " | | 2724 | 2724 | 16769 | 19493 | 8605 | 28098 |
| " | 3 | F | " | | | | 7032 | 7032 | 5954 | 12986 |
| " | 4 | J | " | | | | 11542 | 11542 | 6830 | 18372 |
| " | 5 | I | " | | | | 1180 | 1180 | 5455 | 6635 |
| " | 6 | N | " | | | | | | 7304 | 7304 |
| " | 7 | O | " | | | | | | 5421 | 5421 |
| " | 8 | P | " | | | | | | 2217 | 2217 |
| " | 9 | M | " | | | | | | | |
| CARPER DRLG. CO. | | | | | | | | | | |
| Bruning | 1 | E | 29-16-31 | | | | 15435 | 15435 | 10869 | 26304 |
| Carper-Grier | 1 | I | " | | | | 5041 | 5041 | 9191 | 14232 |
| " -State | 1 | M | 36-16-30 | 364 | 9838 | 10202 | 4360 | 14562 | 611 | 15173 |
| Coll-State | 1 | G | 33-16-30 | 938 | 13212 | 14150 | 12130 | 26280 | 2531 | 28811 |
| Evart-Grier | 1 | F | 29-16-31 | | | | 11121 | 11121 | 11528 | 22649 |
| " | 2 | G | " | | | | 6977 | 6977 | 11830 | 18807 |
| " | 3 | H | " | | | | 2748 | 2748 | 11523 | 14271 |
| Robinson B | 3 | E | 34-16-31 | | | | | | 7568 | 7568 |
| " | 4 | D | " | | | | | | 5518 | 5518 |
| Wheatley | 1 | O | 29-16-31 | | 3772 | 3772 | 16163 | 19935 | 8288 | 28223 |

PRODUCTION DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|----------------------------|--------|-------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| COCKBURN, BARNEY | | | | | | | | | | |
| Etz, A.N. | 1X | P | 26-16-30 | | 3864 | 3864 | 2475 | 6339 | 85 | 6424 |
| " | 2X | M | " | | 6945 | 6945 | 3838 | 10783 | 2527 | 13310 |
| " | 3 | N | " | | 6605 | 6605 | 2778 | 9383 | 1553 | 10936 |
| " | 4 | O | " | | 2987 | 2987 | 3479 | 6466 | 2312 | 8778 |
| " | 5 | K | " | | 3855 | 3855 | 2468 | 6323 | 652 | 6975 |
| Etz, Geo. | 1 | E | 35-16-30 | 4024 | 8361 | 12385 | 3098 | 15483 | 1183 | 16666 |
| " | 2 | P | " | 4023 | 8361 | 12384 | 3506 | 15890 | 1446 | 17336 |
| " | 3 | M | " | 3843 | 8364 | 12207 | 3203 | 15410 | 1171 | 16581 |
| " | 4 | G | " | 2745 | 8365 | 11110 | 2420 | 13530 | 464 | 13994 |
| " | 5 | O | " | 3099 | 8365 | 11464 | 4828 | 16292 | 2715 | 19007 |
| " | 6 | N | " | 2213 | 8362 | 10575 | 3334 | 13909 | 4112 | 18021 |
| " | 7 | A | " | 2214 | 8366 | 10580 | 4306 | 14886 | 2277 | 17163 |
| " | 8 | F | " | 1301 | 8366 | 9667 | 3639 | 13306 | 1774 | 15080 |
| " | 9 | L | " | 4417 | 8367 | 12784 | 2027 | 14811 | 572 | 15383 |
| " | 10 | K | " | 1301 | 8368 | 9669 | 2415 | 12084 | 78 | 12162 |
| " | 11 | J | " | 1196 | 8369 | 9565 | 2171 | 11736 | 592 | 12328 |
| " | 12 | I | " | 1195 | 8371 | 9566 | 1791 | 11357 | 523 | 11880 |
| " | 13 | H | " | 195 | 8371 | 8566 | 3048 | 11614 | 1072 | 12686 |
| " | 14 | D | " | 1300 | 8372 | 9672 | 3944 | 13616 | 1578 | 15194 |
| " | 15 | C | " | | 2228 | 2228 | 5067 | 7295 | 2820 | 10115 |
| " | 16 | B | " | | 475 | 475 | 2600 | 3075 | 159 | 3234 |
| Grier | 1 | L | 31-16-31 | | 435 | 435 | 197 | 632 | | 632 |
| Jackson | 6 | K | 36-16-30 | 4277 | 11946 | 16223 | 7487 | 23710 | 3906 | 27616 |
| " | 8 | N | " | 1358 | 11951 | 13309 | 6869 | 20178 | 3387 | 23565 |
| Leonard-State | 1 | P | 32-16-30 | 1064 | 5395 | 6459 | 3283 | 9742 | 2062 | 11804 |
| " | 2 | I | " | 655 | 5400 | 6055 | 2230 | 8285 | 1401 | 9686 |
| Overton | 9 | I | 36-16-30 | | 4789 | 4789 | 7391 | 12180 | 4949 | 17129 |
| State | 1 | A | 2-17-30 | 6613 | 8662 | 15275 | 5013 | 20288 | 3277 | 23565 |
| " | 2 | B | " | 4312 | 8662 | 12974 | 4615 | 17589 | 2873 | 20462 |
| " | 3 | C | " | 3064 | 8666 | 11730 | 3227 | 14957 | 1180 | 16137 |
| " | 4 | D | " | 1613 | 8669 | 10282 | 3231 | 13513 | 1180 | 14693 |
| Tidewater | 5 | L | 35-16-30 | 3172 | 11623 | 14795 | 4865 | 19660 | 1365 | 21025 |
| " | 7 | J | 36-16-30 | 1731 | 11630 | 13361 | 8865 | 22226 | 4173 | 26399 |
| CONTINENTAL OIL CO. | | | | | | | | | | |
| State | 1 | F | " | 2439 | 11474 | 13913 | 11142 | 25055 | 5011 | 30066 |
| " | 2 | E | " | 1494 | 11474 | 12968 | 8024 | 20992 | 2670 | 23662 |

PRODUCTION DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W | U | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---------------------------------|----|---|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | E | N | | | | | | | | |
| CONTINENTAL OIL CO. - continued | | | | | | | | | | |
| State | 3 | C | 36-16-30 | 1273 | 11476 | 12749 | 11132 | 23881 | 6246 | 30127 |
| " | 4 | D | " | 319 | 11467 | 11786 | 7514 | 19300 | 1839 | 21139 |
| ETZ OIL COMPANY, INC. | | | | | | | | | | |
| Etz E | 1 | P | 25-16-30 | 5988 | 11014 | 17002 | 7934 | 24936 | 4451 | 29387 |
| " | 2 | O | " | 3592 | 11399 | 14991 | 8194 | 23185 | 4174 | 27359 |
| " | 3 | J | " | | 10984 | 10984 | 8112 | 19096 | 4393 | 23489 |
| " | 4 | I | " | 1890 | 10910 | 12800 | 7873 | 20673 | 4286 | 24959 |
| FIDEL, JOHN N. | | | | | | | | | | |
| Grier | 1 | P | 30-16-31 | | 13645 | 13645 | 15149 | 28794 | 7788 | 36582 |
| " | 2 | I | " | | 6463 | 6463 | 15154 | 21617 | 7794 | 29411 |
| " | 3 | B | 29-16-31 | | | | 1704 | 1704 | 7096 | 8800 |
| " | 4 | A | " | | | | | | 5158 | 5158 |
| FLYNN, WELCH & YATES | | | | | | | | | | |
| Grier | 1 | K | 31-16-31 | 1923 | 13043 | 14966 | 9657 | 24623 | 3715 | 28338 |
| HIGHTOWER, NAY | | | | | | | | | | |
| Etz | 1 | M | 19-16-31 | | | | | | 4299 | 4299 |
| " | 2 | N | " | | | | | | 5405 | 5405 |
| Grier | 1 | D | 31-16-31 | 14326 | 12898 | 27224 | 10679 | 37903 | 6886 | 44789 |
| " | 2 | E | " | 5267 | 13281 | 18548 | 10678 | 29226 | 7469 | 36695 |
| " | 3 | C | " | 4597 | 13272 | 17869 | 10680 | 28549 | 7439 | 35988 |
| " | 4X | F | " | 201 | 13281 | 13482 | 10678 | 24160 | 6809 | 30969 |
| " | 5 | G | " | 2759 | 12101 | 14860 | 5372 | 20232 | 2561 | 22793 |
| " | 6 | J | " | | 10424 | 10424 | 10679 | 21103 | 6568 | 27671 |
| " | 7X | H | " | | 2155 | 2155 | 5375 | 7530 | 2572 | 10102 |
| " | 9 | A | " | 744 | 980 | 1724 | 10056 | 11780 | 3488 | 15268 |
| " | 10 | O | 30-16-31 | 920 | 695 | 1615 | 8608 | 10223 | 8336 | 18559 |
| " | 11 | B | 31-16-31 | | 899 | 899 | 10057 | 10956 | 7999 | 18955 |
| " | 12 | J | 30-16-31 | | | | 8610 | 8610 | 8349 | 16959 |
| McDANNALD & WILLIAMS | | | | | | | | | | |
| Grier | 1 | M | " | 5955 | 15085 | 21040 | 12482 | 33522 | 4663 | 38185 |
| " | 2 | L | " | 724 | 14158 | 14882 | 12828 | 27710 | 4665 | 32375 |
| " | 3 | M | 31-16-31 | | 6102 | 6102 | 3830 | 9932 | 2334 | 12266 |
| " | 4 | N | " | | 2855 | 2855 | 3833 | 6688 | 2335 | 9023 |
| NASH, WINDFOHR & BROWN | | | | | | | | | | |
| Gissler B | 6 | C | 11-17-30 | | | | | | 6624 | 6624 |
| Jackson B | 4 | D | 1-17-30 | 2219 | 3419 | 5638 | 2418 | 8056 | 3926 | 11982 |

PRODUCTION DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W L | U I | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--|--------|--------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| NASH, WINDFOHR & BROWN - continued | | | | | | | | | | |
| Jackson B | 5 | C | 1-17-30 | | 3420 | 3420 | 2424 | 5844 | 3927 | 9771 |
| " | 15 | L | " | | | | | | 9507 | 9507 |
| PATON BROS. (Formerly Woodward, Hoke L.) | | | | | | | | | | |
| Etz-Woodward | 2 | F | 30-16-31 | | | | | | | |
| PREMIER PETROLEUM CO. | | | | | | | | | | |
| Parke F | 1 | K | 3-17-30 | | 2101 | 2101 | 4213 | 6314 | 1811 | 8125 |
| " | 2 | I | " | | 2737 | 2737 | 14234 | 16971 | 10148 | 27119 |
| " | 3 | J | " | | | | 13063 | 13063 | 4153 | 17216 |
| RANDEL, O. H. | | | | | | | | | | |
| State | 1 | F | 2-17-30 | | 10375 | 10375 | 7865 | 18240 | 4424 | 22664 |
| " | 2 | G | " | | 6199 | 6199 | 7858 | 14057 | 4427 | 18484 |
| " | 3 | H | " | | 1123 | 1123 | 7826 | 8949 | 4429 | 13378 |
| REPOLLO OIL CO. | | | | | | | | | | |
| Keel B | 1 | D | 6-17-31 | | 363 | 363 | 2750 | 3113 | 1653 | 4766 |
| SANDERS BROS. (Purchased by Snowden Oil & Gas Co., Ltd. in 1946) | | | | | | | | | | |
| Etz | 1 | J | 34-16-30 | 10532 | 10110 | 20642 | 4606 | 25248 | 4440 | 29688 |
| " | 2 | I | " | 8738 | 10112 | 18850 | 4609 | 23459 | 3493 | 26952 |
| " | 3 | D | " | 6959 | 10112 | 17071 | 4609 | 21680 | 4169 | 25849 |
| " | 4 | O | " | 5884 | 10121 | 16005 | 4612 | 20617 | 4150 | 24767 |
| " E | 1 | G | " | 3568 | 11006 | 14574 | 6023 | 20597 | 8256 | 28853 |
| " | 2 | H | " | 3154 | 11008 | 14162 | 6028 | 20190 | 4921 | 25111 |
| " | 3 | B | " | 2066 | 11011 | 13077 | 6030 | 19107 | 7168 | 26275 |
| " | 4 | A | " | 1458 | 11013 | 12471 | 6034 | 18505 | 6000 | 24505 |
| Evans | 1 | G | 4-17-30 | 11475 | 7316 | 18791 | 2712 | 21503 | 943 | 22446 |
| " | 2 | H | " | 10025 | 7321 | 17346 | 2717 | 20063 | 946 | 21009 |
| " | 3 | B | " | 9571 | 7324 | 16895 | 2722 | 19617 | 948 | 20565 |
| " | 4 | A | " | 8242 | 7325 | 15567 | 2722 | 18289 | 950 | 19239 |
| " | 5 | K | 33-16-30 | 2398 | 8226 | 10624 | 5068 | 15692 | 3053 | 18745 |
| " | 6 | N | " | 1792 | 8232 | 10024 | 5072 | 15096 | 3056 | 18152 |
| " | 7 | M | " | 2398 | 8237 | 10635 | 5073 | 15708 | 3057 | 18765 |
| " | 8 | L | " | 1794 | 8237 | 10031 | 5079 | 15110 | 3060 | 18170 |
| " | 9 | G | " | | 9642 | 9642 | 4980 | 14622 | 1902 | 16524 |
| " | 10 | H | " | 650 | 9647 | 10297 | 4983 | 15280 | 1902 | 17182 |
| " | 11 | A | " | 651 | 9649 | 10300 | 4987 | 15287 | 1902 | 17189 |
| " | 12 | B | " | | 9560 | 9560 | 4988 | 14548 | 1910 | 16458 |

PRODUCTION DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|--------------------------------------|--------|-------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| SANDERS BROS. - continued | | | | | | | | | | |
| Leonard | 1 | L | 34-16-30 | 14672 | 5557 | 20229 | 1852 | 22081 | 2292 | 24373 |
| " | 2 | M | " | 10669 | 5561 | 16230 | 1853 | 18083 | 1372 | 19455 |
| " | 3 | N | " | 8008 | 5565 | 13573 | 1856 | 15429 | 1373 | 16802 |
| " | 4 | K | " | 8896 | 5566 | 14462 | 1859 | 16321 | 2301 | 18622 |
| " | 5 | F | " | 5606 | 12440 | 18046 | 6206 | 24252 | 5717 | 29969 |
| " | 6 | E | " | 4738 | 12441 | 17179 | 6215 | 23394 | 5721 | 29115 |
| " | 7 | C | " | 3970 | 12444 | 16414 | 6216 | 22630 | 5723 | 28353 |
| " | 8 | D | " | 1871 | 12447 | 14318 | 6217 | 20535 | 5723 | 26258 |
| " E | 1 | P | 33-16-30 | 6605 | 10128 | 16733 | 4210 | 20943 | 1809 | 22752 |
| " | 2 | I | " | 6605 | 10132 | 16737 | 4215 | 20952 | 1813 | 22765 |
| " | 3 | J | " | 6601 | 10135 | 16736 | 4218 | 20954 | 1816 | 22770 |
| " | 4 | O | " | 4524 | 10138 | 14662 | 4218 | 18880 | 1818 | 20698 |
| " | 5 | C | 4-17-30 | 1692 | 6698 | 8390 | 2753 | 11143 | 1490 | 12633 |
| " | 6 | D | " | 1693 | 6704 | 8397 | 2757 | 11154 | 1494 | 12648 |
| " | 8 | F | " | 667 | 6706 | 7373 | 2762 | 10135 | 1498 | 11633 |
| SOUTHERN PETROLEUM EXPLORATION, INC. | | | | | | | | | | |
| State C | 1 | B | 32-16-31 | | | | 8110 | 8110 | 5894 | 14004 |
| " | 2 | A | " | | | | 5956 | 5956 | 12132 | 18088 |
| " | 3 | H | " | | | | | | 2036 | 2036 |
| " | 4 | G | " | | | | | | 3824 | 3824 |
| SUPPES, G. B. | | | | | | | | | | |
| Johnson | 1 | C | 33-16-31 | | | | 11965 | 11965 | 11541 | 23506 |
| " | 2 | M | 28-61-31 | | | | 4470 | 4470 | 15307 | 19777 |
| " | 3 | D | 33-16-31 | | | | 8875 | 8875 | 11547 | 20422 |
| " | 4 | L | 28-16-31 | | | | 3498 | 3498 | 15308 | 18806 |
| " | 5 | H | 33-16-31 | | | | | | 15306 | 15306 |
| " | 6 | A | " | | | | | | 12222 | 12222 |
| " | 7 | B | 28-16-31 | | | | | | 3260 | 3260 |
| " | 8 | L | 34-16-31 | | | | | | 4237 | 4237 |
| TELLYER, HARRY B. | | | | | | | | | | |
| State T | | | 36-16-30 | 5052 | 9691 | 14743 | 11984 | 26727 | 7232 | 33959 |
| TEXAS TRADING CO. | | | | | | | | | | |
| Grier | 1 | M | 29-16-31 | 450 | 13923 | 14373 | 15136 | 29509 | 9084 | 38593 |
| " | 2 | N | " | | 10794 | 10794 | 15139 | 25933 | 9085 | 35018 |
| " | 3 | L | " | | | | 12456 | 12456 | 9085 | 21541 |

PRODUCTION DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W L | U I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|-------------------------------|--------|-------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| TEXAS TRADING CO. - continued | | | | | | | | | | |
| Grier | 4 | K | 29-16-31 | | | | 9708 | 9708 | 9084 | 18792 |
| Johnson | 1 | D | 33-16-31 | | | | 15364 | 15364 | 11707 | 27071 |
| " | 2 | E | " | | | | 11191 | 11191 | 11709 | 22900 |
| " | 3 | B | " | | | | 7669 | 7669 | 13038 | 20707 |
| " | 4 | G | " | | | | 1451 | 1451 | 12945 | 14396 |
| " B | 5 | K | " | | | | | | 7116 | 7116 |
| " | 7 | N | " | | | | | | 2236 | 2236 |
| State | 1 | D | 32-16-31 | 6053 | 14181 | 20234 | 9719 | 29953 | 3335 | 33288 |
| " | 2 | E | " | | | | | | 2713 | 2713 |
| " | 3 | C | " | | 1447 | 1447 | 9722 | 11169 | 3336 | 14505 |
| " | 4 | F | " | | | | 8783 | 8783 | 3042 | 11825 |
| THOMAS, D. D., ET AL. | | | | | | | | | | |
| Grier | 1 | J | 29-16-31 | | 735 | 735 | 15385 | 16120 | 10304 | 26424 |
| " | 2 | P | " | | | | 11632 | 11632 | 10312 | 21944 |
| Johnson | 2 | N | 28-16-31 | | | | 8360 | 8360 | 10578 | 18938 |
| " | 3 | E | " | | | | | | 7308 | 7308 |
| " | 4 | D | " | | | | | | 4357 | 4357 |
| VICKERS PETROLEUM CORP., INC. | | | | | | | | | | |
| Etz, Geo. | 1 | H | 30-17-31 | | | | 15440 | 15440 | 11510 | 26950 |
| " | 2 | A | " | | | | 12374 | 12374 | 11526 | 23900 |
| " | 3 | G | " | | | | 9673 | 9673 | 11742 | 21415 |
| " | 4 | B | " | | | | 7507 | 7507 | 11418 | 18925 |
| " | 5 | P | 19-16-31 | | | | 3332 | 3332 | 10636 | 13968 |
| " | 6 | O | " | | | | 3334 | 3334 | 10764 | 14098 |
| WARREN, FORREST | | | | | | | | | | |
| Grier | 1 | N | 30-16-31 | 4870 | 13770 | 18640 | 12658 | 31298 | 5567 | 36865 |
| " | 2 | K | " | 4868 | 13778 | 18646 | 12664 | 31310 | 5572 | 36882 |
| WELCH, VAN S. | | | | | | | | | | |
| State | 1 | A | 36-16-31 | 10147 | 14078 | 24225 | 15716 | 39941 | 6240 | 46181 |
| " | 2 | B | " | 5058 | 14080 | 19138 | 15716 | 34854 | 6247 | 41101 |
| WESTERN PRODUCTION CO. | | | | | | | | | | |
| Nunlee | 1 | P | 27-16-30 | | 5820 | 5820 | 6319 | 12139 | 2289 | 14428 |
| " | 2 | O | " | | 3709 | 3709 | 6135 | 9844 | 2233 | 12077 |
| WOODWARD, HOKE L. | | | | | | | | | | |
| Valentine | 1 | M | 7-16-31 | | | | | | 2812 | 2812 |
| Woodward | 1 | E | 30-16-31 | | | | 3833 | 3833 | 9727 | 13560 |
| " | 2 | F | " | | | | | | 9109 | 9109 |
| WOOLLEY, A. S. | | | | | | | | | | |
| McIntyre | 1 | D | 33-17-30 | 7976 | 10348 | 18324 | 6812 | 25136 | 2916 | 28052 |
| " | 2 | C | " | 7975 | 9502 | 17477 | 3635 | 2112 | 1845 | 22252 |

| COMPANY LEASE | " U E N L I L T | | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|----------------------------|--------------------------|---|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| | | | | | | | | | | |
| WOOLLEY, A. S. - continued | | | | | | | | | | |
| McIntyre | 3 | E | 33-17-30 | 3617 | 8872 | 12489 | 3945 | 16434 | 2471 | 18905 |
| " | 4 | F | " | | 7276 | 7276 | 4952 | 12228 | 2484 | 14712 |
| YATES, S. P. | | | | | | | | | | |
| Evans | 1 | A | 5-17-30 | 906 | 2802 | 3708 | 2509 | 6217 | 1515 | 7732 |
| FIELD TOTAL | | | | 354001 | 1039903 | 1393904 | 1139015 | 2532919 | 992937 | 3525856 |

GAS-OIL RATIO DATA - SQUARE LAKE POOL

| COMPANY LEASE | W U E N L I L T | | S-T-R | GAS-OIL RATIO | | |
|--------------------------------------|--------------------------|---|----------|----------------|-----------------------|---------------------------|
| | | | | APRIL-MAY-JUNE | JULY-AUGUST-SEPTEMBER | OCTOBER-NOVEMBER-DECEMBER |
| | | | | 1945 | 1945 | 1945 |
| CARPER DRILLING CO. | | | | | | |
| Bruning-Grier | 1 | E | 29-16-31 | | 2415 | 2337 |
| Everts-Grier | 1 | F | " | 340 | 1764 | 3900 |
| " | 2 | G | " | 466 | | |
| " | 3 | H | " | | 1200 | 1200 |
| Grier | 1 | I | " | 340 | 1764 | 3900 |
| Johnson B | 3 | E | 34-16-31 | | | 808 |
| " | 4 | D | " | | | 909 |
| Wheatley | 1 | O | 29-16-31 | 1819 | 1300 | 1380 |
| SOUTHERN PETROLEUM EXPLORATION, INC. | | | | | | |
| State C | 1 | B | 32-16-31 | 2010 | 1385 | 2200 |
| " | 2 | A | " | 1310 | 2261 | 2438 |
| " | 4 | G | " | 1687 | 2000 | 2317 |
| SUPPES, G. B. | | | | | | |
| Johnson | 1 | C | 33-16-31 | 1305 | 578 | 989 |
| " | 2 | M | 28-16-31 | 1262 | 440 | 1026 |
| " | 3 | D | 33-16-31 | 2205 | 2308 | 2410 |
| " | 4 | L | 28-16-31 | 810 | 532 | 900 |
| " | 5 | H | 33-16-31 | 578 | 700 | 1015 |
| " | 6 | A | " | 281 | 721 | 1000 |

GAS-OIL RATIO DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W L | U T | S-T-R | GAS-OIL RATIO | | |
|-------------------------------|--------|--------|----------|------------------------|-------------------------------|-----------------------------------|
| | | | | APRIL-MAY-JUNE 1945 | JULY-AUGUST-SEPTEMBER 1945 | OCTOBER-NOVEMBER-DECEMBER 1945 |
| SUPPES, G. B. - continued | | | | | | |
| Johnson | 8 | L | 34-16-31 | | | 589 |
| VICKERS PETROLEUM CORP., INC. | | | | | | |
| Etz, Geo. | 1 | H | 30-17-31 | 1390 | 2807 | 3135 |
| " | 2 | A | " | 206 | 2107 | |
| " | 3 | G | " | 460 | 2216 | 2785 |
| " | 4 | B | " | 960 | 2061 | 3040 |
| " | 5 | P | 19-16-31 | 244 | 2470 | 2818 |

NOTE: Permission received from Mr. W. A. Golden to publish tests.

BOTTOM HOLE PRESSURE DATA - SQUARE LAKE POOL

| COMPANY LEASE | W L | U T | S-T-R | BOTTOM HOLE PRESSURE | | |
|--------------------------------------|--------|--------|----------|------------------------|-------------------------------|-----------------------------------|
| | | | | APRIL-MAY-JUNE 1945 | JULY-AUGUST-SEPTEMBER 1945 | OCTOBER-NOVEMBER-DECEMBER 1945 |
| CARPER DRILLING CO. | | | | | | |
| Bruning-Grier | 1 | E | 29-16-31 | 624 | 560 | 440 |
| Everts-Grier | 1 | F | " | 459 | 520 | 500 |
| " | 2 | G | " | 659 | 630 | 605 |
| " | 3 | H | " | 859 | 839 | 805 |
| Grier | 3 | E | 34-16-31 | 644 | 580 | 570 |
| Johnson B | 3 | E | " | | | 806 |
| " | 4 | D | " | | | 991 |
| Wheatley | 1 | O | 29-16-31 | 564 | 515 | 490 |
| SOUTHERN PETROLEUM EXPLORATION, INC. | | | | | | |
| State C | 1 | B | 32-16-31 | 540 | 431 | 325 |
| " | 2 | A | " | 644 | 576 | 560 |
| " | 4 | G | " | 730 | 593 | 525 |
| SUPPES, G. B. | | | | | | |
| Johnson | 1 | C | 33-16-31 | 740 | 720 | 700 |
| " | 2 | M | 28-16-31 | 650 | 866 | 770 |
| " | 3 | D | 33-16-31 | 585 | | 710 |
| " | 4 | L | 28-16-31 | 800 | 794 | 829 |

BOTTOM HOLE PRESSURE DATA - SQUARE LAKE POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | BOTTOM HOLE PRESSURE | | |
|--------------------------------------|------------------|------------------|----------|------------------------|-------------------------------|-----------------------------------|
| | | | | APRIL-MAY-JUNE 1945 | JULY-AUGUST-SEPTEMBER 1945 | OCTOBER-NOVEMBER-DECEMBER 1945 |
| SUPPES, G. B. - continued | | | | | | |
| Johnson | 5 | H | 33-16-31 | 955 | 919 | 849 |
| " | 6 | A | " | 975 | 943 | 883 |
| " | 8 | L | 34-16-31 | | | 971 |
| VICKERS PETROLEUM CORP., INC. | | | | | | |
| Etz, Geo. | 1 | H | 30-17-31 | 590 | 530 | 475 |
| " | 2 | A | " | 659 | 635 | 560 |
| " | 3 | G | " | 514 | 465 | 411 |
| " | 4 | B | " | 659 | 757 | 493 |
| " | 5 | P | 19-16-31 | 619 | 585 | 529 |
| " | 6 | O | " | 704 | 717 | |
| AVERAGES | | | | 674.9 | 658.7 | 643.3 |

NOTE: Permission received from Mr. W. A. Golden to publish tests.

TURKEY TRACK POOL

LOCATION: T. 18 S., R. 29 E. S $\frac{1}{2}$ sec. 34, SW $\frac{1}{4}$ sec. 35
T. 19 S., R. 29 E. W $\frac{1}{2}$ sec. 2, all sec. 3, N $\frac{1}{2}$ sec. 10,
NW $\frac{1}{4}$ sec. 11.

DISCOVERY DATE: August 1943.

DISCOVERY WELL: Robert E. McKee No. 2 State, SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 3-19-29.
T.D. 2815'. PB 2710'. Initial potential, 20
bbls. oil per day. Top pay, 2575'; Base Salado,
1020'; Top Yates, 1242'; Top Queen, 2238'.
Elevation 3395'.

GRAVITY OF OIL: 33° to 38° API.

AVERAGE THICKNESS OF PAY ZONE: 3' to 40'.

PRODUCING FORMATION: Queen.

AVERAGE PRODUCING DEPTH: 2060' to 2600'.

DEEPEST TEST: Robert E. McKee No. 1 Spencer-Heflin, SE $\frac{1}{4}$ NE $\frac{1}{4}$
sec. 4-19-29. T.D. 3896'. P. & A. Top
Rustler, 325'; Top Salado, 390'; Base
Salado, 911'; Top Queen, 2105'. Elevation 3424'.

OIL WELLS, as of 1-1-46:

| | |
|----------|---|
| Flowing | 7 |
| Pumping | 0 |
| Gas lift | 3 |
| Shut in | 0 |

GAS WELLS: 0

ABANDONED WELLS: 0

TOTAL WELLS DRILLED: 10

| | | | |
|------------------------|-------------|--------------|--------------|
| OIL PRODUCTION: | <u>1943</u> | <u>1944</u> | <u>1945</u> |
| No. of producing wells | 1 | 8 | 10 |
| Yearly production | 725 | 10,634 | 24,961 |
| Cumulative production | to 1-1-44 | to 1-1-45 | to 1-1-46 |
| | 725 bbls. | 11,359 bbls. | 36,320 bbls. |

GAS PRODUCTION: relatively small volume. However, there are two
dry gas zones productive in area.

WATER PRODUCTION: none.

AREA OF PROVEN PRODUCTION: 400 acres.

PER-ACRE RECOVERY to 1-1-46: 91 bbls.

Combination drive type reservoir.

SUBSURFACE COMPLETION DATA - TURKEY TRACK POOL

| COMPANY LEASE | W L | U I | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID | | OIL STRING | | TUBING | |
|-----------------------------|--------|--------|----------|---------------|-----------------------------------|-------|-------|------|--------------|-----------|------------|-------|--------|-------|
| | | | | | | | | | AMT. | INTERVAL | SIZE | DEPTH | SIZE | DEPTH |
| McKEE, R. E. | | | | | | | | | | | | | | |
| Spencer- Heflin State | 1 | H | 4-19-29 | 8-14-44 | P&A | 3424 | 3896 | | 160q | 2080-2121 | 8 1/2 | 411 | | |
| " | 2 | P | 3-19-29 | 8-11-43 | F-20 | 3395 | 2815) | 2575 | 340q | 2575-2690 | 7 | 2550 | 2 | 2670 |
| " | 3 | O | " | 9-30-44 | F-3 | 3386 | 2753) | 2547 | 250q | 2547-97 | 7 | 2065 | | |
| " | 4 | I | " | 12-14-44 | F-20 | 3395 | 2583) | 2490 | 220q | 2510-60 | 7 | 2480 | 2 | 2480 |
| " | 5 | J | " | 4-29-45 | F-20 | 3389 | 2623) | 2480 | | | 7 | 2225 | 2 | 2490 |
| McKEE & BASSETT | | | | | | | | | | | | | | |
| Brainard | 1 | N | 34-18-29 | 9-4-44 | P-15 | 3417 | 2265 | 2110 | 140q | 2090-2125 | 7 | 2005 | 2 | 2100 |
| Spencer | 1 | D | 3-19-20 | 4-10-44 | F-15 | 3424 | 3157 | 2052 | 140q | 2055-90 | 7 | 2012 | 2 | 2055 |
| " | 2 | C | " | 4-26-44 | F-30 | 3419 | 2268) | 2097 | 140q | 2075-2114 | 7 | 2040 | 2 | 2050 |
| " | 3 | H | " | 8-24-44 | F-20 | 3403 | 2892) | 2455 | 320q | 2714-80 | 7 | 2424 | | |
| " | 4 | F | " | 2-20-45 | Abnd.) Loc.) | | | | | | | | | |
| " | 5 | B | " | 12-15-44 | F-10 | 3411 | 3272) | 2395 | 300q | 2210-2423 | 5 1/2 | 2354 | 2 | 2365 |
| " | 6 | G | " | 11-24-44 | F-6 | 3404 | 2947) | 2365 | 420q | 2365-2540 | 7 | 2440 | 2 | 2381 |

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PRODUCTION DATA - TURKEY TRACK POOL

| COMPANY LEASE | W L | U I | S-T-R | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | | CUMULATIVE | |
|---------------------|--------|--------|---------|------------|-------|------------|-------|------------|-------|------------|-------|
| | | | | TO 1-1-43 | PROD. | TO 1-1-44 | PROD. | TO 1-1-45 | PROD. | TO 1-1-46 | PROD. |
| McKEE, R. E. | | | | | | | | | | | |
| State | 2 | P | 3-19-29 | | 725 | 725 | 1892 | 2617 | 2082 | 4699 | |
| " | 3 | O | " | | | | | 136 | 136 | | |
| " | 4 | I | " | | | | 201 | 201 | 3609 | 3810 | |

PRODUCTION DATA - TURKEY TRACK POOL - continued

| COMPANY LEASE | W E L L | U N I T | S-T-R | CUMULATIVE TO 1-1-43 | 1943 PROD. | CUMULATIVE TO 1-1-44 | 1944 PROD. | CUMULATIVE TO 1-1-45 | 1945 PROD. | CUMULATIVE TO 1-1-46 |
|---------------------------------|------------------|------------------|----------|-------------------------|---------------|-------------------------|---------------|-------------------------|---------------|-------------------------|
| McKEE, R. E. - continued | | | | | | | | | | |
| State | 5 | J | 3-19-29 | | | | | | 2224 | 2224 |
| McKEE & BASSETT | | | | | | | | | | |
| Brainard | 1 | N | 34-18-29 | | | 696 | 696 | | 1923 | 2619 |
| Spencer | 1 | D | 3-19-29 | | | 3156 | 3156 | | 2442 | 5598 |
| " | 2 | C | " | | | 2788 | 2788 | | 5738 | 8526 |
| " | 3 | H | " | | | 1700 | 1700 | | 3862 | 5562 |
| " | 5 | B | " | | | 50 | 50 | | 1654 | 1704 |
| " | 6 | G | " | | | 151 | 151 | | 1291 | 1442 |
| FIELD TOTAL | | | | | 725 | 725 | 10634 | 11359 | 24961 | 36320 |

SUBSURFACE COMPLETION DATA - FORREST POOL

| COMPANY LEASE | W E L | U N I T | S-T-R | COMP. DATE | INITIAL DAILY PROD. TEST | ELEV. | T.D. | T.P. | SHOT OR ACID AMT. INTERVAL | OIL STRING SIZE DEPTH | TUBING SIZE DEPTH |
|--------------------|-------------|------------------|----------|---------------|-----------------------------------|-------|----------|------|-------------------------------|--------------------------|----------------------|
| LEVERS, FORREST E. | | | | | | | | | | | |
| Levers B | 1 | H | 34-16-29 | 12-30-45 | F-64 | 3561 | 3029) | 2632 | 130q 2630-70 | 5 1/2 2650 | 2 2600 |
| | | | | | | | PB 2954) | | | | |
| | | | | | | | PB 2675) | | | | |

NOTE: By order effective February 28, 1946, pool established and defined by New Mexico Oil Conservation Commission.

SUBSURFACE COMPLETION DATA - WILDCAT WELLS

| COMPANY LEASE | W E L L | U N I T | S-T-R | COMP. DATE | ELEV. | T.D. | CASING SIZE | DEPTH | REMARKS |
|--|------------------|------------------|----------|---------------|-------|------|----------------|-------|---|
| ADDISON OIL CO. State | 1 | K | 20-20-28 | 4-25-44 | 3257 | 1804 | | | S/gas 490-500. S/oil 910-20. P&A. |
| ANDERSON, MAC T. Millman | 1 | H | 33-19-28 | 2-29-44 | 3347 | 2011 | 5 | 1680 | S/wa. 2007. P&A. |
| BROWN, ET AL. Shildneck | 1 | O | 28-20-25 | 12-9-44 | 3584 | 834 | 8 5/8 | 483 | P&A. |
| BRYANT, M. D. Williamson | 1 | D | 10-21-31 | 5-14-45 | 3615 | 4287 | 7 | 4238 | S/wa. 4273. Slight S/oil 4255-60. P&A. |
| CHILDRESS, ROY Brown-State | 1 | C | 32-20-26 | 9-3-44 | 3319 | 2550 | | | S/wa. 633, 995. P&A. |
| CULBERTSON & IRWIN Illes | 1 | J | 4-20-31 | 11-25-44 | 3480 | 2775 | 8 1/4 | 925 | P&A. |
| ENGAS CO. Pecos Irr. | 1 | N | 9-25-28 | 11-15-44 | 2983 | 3041 | 8 5/8 | 1339 | S/wa. 1245, 2610. P&A. |
| HARDENDORFF, A. J. Riggs | 1 | I | 7-20-30 | 12-22-44 | 3207 | 1605 | 7 | 1205 | S/oil 1430. Top Yates 1180. Shot 160q 1430-1510. P&A. |
| State | 1 | A | 2-19-30 | 9-8-45 | 3521 | 3310 | 7 | 1985 | S/oil and gas 3080-90. S/oil 3185-92. P&A. |
| HARRISON, R. L. Crockett | 1 | A | 19-18-26 | 7-22-45 | 3421 | 1606 | 5 1/2 | 1105 | S/oil 1082-95, 1116-25. Shot 30q 1116-45. P&A. |
| HEACOCK-OWENS Yates | 1 | A | 6-20-27 | 3-14-43 | 3339 | 987 | | | Shot 180q 855-905, acidized 500g 855-905. P&A. |
| HUMBLE OIL & REFINING CO. Carpenter | 1 | G | 20-16-30 | 6-30-44 | 3776 | 3517 | 7 | 2206 | S/oil 2425, 3305-40. S/wa. 2060. P&A. |
| JOHNSTON-WELLS Wells | 1 | J | 17-20-28 | 9-16-43 | 3260 | 990 | | | Top Yates 635. P&A. |
| LINDSEY, FORREST Lee | 1 | K | 12-19-26 | 3-27-45 | 3289 | 2002 | 8 1/4 | 1142 | Top Queen 620. Top San Andres 1406. P&A. |
| McGURT, J. D. Simpson | 1 | G | 20-21-27 | 12-4-45 | 3205 | 880 | 5 1/2 | 758 | S/wa. 711, 797. P&A. |
| McGRUDER & RUTTER State | 1 | F | 15-21-27 | 7-30-45 | 3308 | 2350 | | | OWDD. P&A. |

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SUBSURFACE COMPLETION DATA - WILDCAT WELLS - continued

| COMPANY LEASE | W U | | S-T-R | COMP. DATE | ELEV. | T.D. | CASING | | REMARKS |
|---|-----|---|----------|---------------|-------|---------|--------|-------|---|
| | L | I | | | | | SIZE | DEPTH | |
| McKEE, ROBERT E. Reed-Brain'd | 1 | I | 11-20-29 | 11-19-45 | 3314 | 1798 | | | Shot 300q 1412-75, 120q 1364-95. S/oil 1364-95, 1412-75. P&A. |
| McKEE-JONES Jones | 1 | K | 36-18-26 | 4-12-43 | 3278 | 1500 | | | P&A. |
| MALCO REFINERIES, INC. Kelly | 2 | K | 2-18-25 | 6-15-44 | 3488 | 2168 | 8 | 900 | Top Queen 475. P&A. |
| King-State | 1 | J | 16-19-27 | 8-27-45 | 3405 | 2003 | 8 5/8 | 1345 | S/wa. 1230, 1258, 1450. P&A. |
| MARTIN, H. W. State | 1 | P | 36-21-27 | 3-21-44 | 3115 | 2655 | 7 | 2612 | S/wa. 2345-70. P&A. |
| METCALF, J. E. Magruder | 1 | C | 22-21-27 | 5-10-43 | 3290 | 603 | | | S/wa. 600-03. P&A. |
| NIPPER & MCKINNEY State | 1 | M | 21-20-28 | 4-2-45 | 3234 | 933) | 7 | 522 | Shot 100q 665-750. Shut in gas well. IPF 3600 MCFGPD. |
| | | | | | | PB 790) | | | |
| RESLER, DALE Resler | 1 | L | 34-18-27 | 12-27-45 | 3401 | 3563 | 7 | 1596 | S/oil 1708-14. S/wa. 2551, 3538. P&A. |
| ROSS-LUCK & CUNNINGHAM Cowan | 1 | I | 3-21-28 | 9-24-44 | 3286 | 1340 | | | S/wa. 1325. P&A. |
| SCHUSTER & MESSINGER Anderson | 1 | E | 31-19-28 | 12-31-45 | 3400 | 1605 | | | Shot 180q 986-1022. S/wa. 1576. Abandoned. |
| SERGEANT & RUTTER State | 1 | O | 21-20-28 | 12-28-45 | 3230 | 782) | 7 | 562 | Shut in gas well. S/gas 726-45. S/wa. 776-82. IP 5000 MCFGPD. |
| | | | | | | PB 757) | | | |
| SONORA OIL & GAS CO. State | 1 | A | 28-19-29 | 5-22-44 | 3346 | 1721 | | | S/wa. 1721. P&A. |
| SOUTHERN UNION GAS CO. Shepard | 1 | E | 20-16-31 | 9-25-44 | 3940 | 3733 | 7 | 2620 | Top salt 695, Top Queen 2580. P&A. |
| Thompson | 1 | M | 26-16-28 | 1-8-45 | 3592 | 2929 | 10 | 1304 | Shot 370q 1675-1750. S/oil 1685-1745. S/wa. 2923. P&A. |
| STANOLIND OIL AND GAS CO. State N | 1 | F | 2-20-31 | 11-7-44 | 2489 | 3476 | 7 | 1560 | S/oil 2230. P&A. |
| STANDARD OIL CO. OF TEXAS Smith | 1 | C | 23-22-24 | 5-23-44 | 4272 | 3905 | 7 | 2840 | P&A. |
| Wilson | 1 | O | 3-22-25 | 5-9-44 | 3737 | 3248 | | | P&A. |

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