

OUTAGE TABLE

JOB NO. 3060-TS SER. NO. 161593-01-44 R. T. C. NO. 44 **6601**

| 1 FEET | | 2 FEET | | 3 FEET | | 4 FEET | | 5 FEET | | 6 FEET | | 7 FEET | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| IN. | | IN. | | IN. | | IN. | | IN. | | IN. | | IN. | |
| 0 | | 0 | 22,437 | 0 | 20,104 | 0 | 17,189 | 0 | 13,952 | 0 | 10,575 | 0 | 7,288 |
| 1/4 | | 1/4 | 22,396 | 1/4 | 20,048 | 1/4 | 17,124 | 1/4 | 13,883 | 1/4 | 10,505 | 1/4 | 7,222 |
| 1/2 | | 1/2 | 22,356 | 1/2 | 19,991 | 1/2 | 17,059 | 1/2 | 13,814 | 1/2 | 10,436 | 1/2 | 7,156 |
| 3/4 | | 3/4 | 22,315 | 3/4 | 19,935 | 3/4 | 16,994 | 3/4 | 13,744 | 3/4 | 10,366 | 3/4 | 7,090 |
| 1 | 23,622 | 1 | 22,274 | 1 | 19,879 | 1 | 16,929 | 1 | 13,675 | 1 | 10,297 | 1 | 7,024 |
| 1/4 | 23,614 | 1/4 | 22,231 | 1/4 | 19,822 | 1/4 | 16,863 | 1/4 | 13,605 | 1/4 | 10,227 | 1/4 | 6,958 |
| 1/2 | 23,606 | 1/2 | 22,189 | 1/2 | 19,765 | 1/2 | 16,797 | 1/2 | 13,535 | 1/2 | 10,157 | 1/2 | 6,892 |
| 3/4 | 23,598 | 3/4 | 22,146 | 3/4 | 19,708 | 3/4 | 16,731 | 3/4 | 13,465 | 3/4 | 10,087 | 3/4 | 6,826 |
| 2 | 23,590 | 2 | 22,104 | 2 | 19,651 | 2 | 16,665 | 2 | 13,395 | 2 | 10,017 | 2 | 6,760 |
| 1/4 | 23,575 | 1/4 | 22,060 | 1/4 | 19,592 | 1/4 | 16,599 | 1/4 | 13,326 | 1/4 | 9,947 | 1/4 | 6,694 |
| 1/2 | 23,560 | 1/2 | 22,015 | 1/2 | 19,534 | 1/2 | 16,533 | 1/2 | 13,256 | 1/2 | 9,878 | 1/2 | 6,629 |
| 3/4 | 23,545 | 3/4 | 21,971 | 3/4 | 19,476 | 3/4 | 16,467 | 3/4 | 13,187 | 3/4 | 9,809 | 3/4 | 6,564 |
| 3 | 23,530 | 3 | 21,927 | 3 | 19,417 | 3 | 16,401 | 3 | 13,117 | 3 | 9,739 | 3 | 6,499 |
| 1/4 | 23,510 | 1/4 | 21,881 | 1/4 | 19,359 | 1/4 | 16,334 | 1/4 | 13,047 | 1/4 | 9,670 | 1/4 | 6,434 |
| 1/2 | 23,491 | 1/2 | 21,836 | 1/2 | 19,300 | 1/2 | 16,268 | 1/2 | 12,978 | 1/2 | 9,601 | 1/2 | 6,369 |
| 3/4 | 23,472 | 3/4 | 21,790 | 3/4 | 19,241 | 3/4 | 16,201 | 3/4 | 12,908 | 3/4 | 9,532 | 3/4 | 6,305 |
| 4 | 23,452 | 4 | 21,745 | 4 | 19,182 | 4 | 16,135 | 4 | 12,839 | 4 | 9,463 | 4 | 6,240 |
| 1/4 | 23,430 | 1/4 | 21,698 | 1/4 | 19,122 | 1/4 | 16,068 | 1/4 | 12,769 | 1/4 | 9,394 | 1/4 | 6,176 |
| 1/2 | 23,407 | 1/2 | 21,651 | 1/2 | 19,063 | 1/2 | 16,001 | 1/2 | 12,699 | 1/2 | 9,325 | 1/2 | 6,112 |
| 3/4 | 23,384 | 3/4 | 21,604 | 3/4 | 19,003 | 3/4 | 15,934 | 3/4 | 12,629 | 3/4 | 9,257 | 3/4 | 6,048 |
| 5 | 23,361 | 5 | 21,557 | 5 | 18,943 | 5 | 15,867 | 5 | 12,560 | 5 | 9,188 | 5 | 5,984 |
| 1/4 | 23,337 | 1/4 | 21,509 | 1/4 | 18,883 | 1/4 | 15,800 | 1/4 | 12,489 | 1/4 | 9,119 | 1/4 | 5,920 |
| 1/2 | 23,312 | 1/2 | 21,461 | 1/2 | 18,822 | 1/2 | 15,732 | 1/2 | 12,419 | 1/2 | 9,050 | 1/2 | 5,857 |
| 3/4 | 23,288 | 3/4 | 21,412 | 3/4 | 18,761 | 3/4 | 15,654 | 3/4 | 12,348 | 3/4 | 8,981 | 3/4 | 5,793 |
| 6 | 23,264 | 6 | 21,364 | 6 | 18,700 | 6 | 15,596 | 6 | 12,278 | 6 | 8,911 | 6 | 5,729 |
| 1/4 | 23,235 | 1/4 | 21,314 | 1/4 | 18,639 | 1/4 | 15,528 | 1/4 | 12,207 | 1/4 | 8,842 | 1/4 | 5,666 |
| 1/2 | 23,207 | 1/2 | 21,265 | 1/2 | 18,577 | 1/2 | 15,461 | 1/2 | 12,136 | 1/2 | 8,774 | 1/2 | 5,603 |
| 3/4 | 23,179 | 3/4 | 21,215 | 3/4 | 18,516 | 3/4 | 15,393 | 3/4 | 12,065 | 3/4 | 8,706 | 3/4 | 5,540 |
| 7 | 23,150 | 7 | 21,165 | 7 | 18,455 | 7 | 15,325 | 7 | 11,994 | 7 | 8,637 | 7 | 5,478 |
| 1/4 | 23,118 | 1/4 | 21,114 | 1/4 | 18,393 | 1/4 | 15,257 | 1/4 | 11,921 | 1/4 | 8,569 | 1/4 | 5,415 |
| 1/2 | 23,086 | 1/2 | 21,064 | 1/2 | 18,331 | 1/2 | 15,189 | 1/2 | 11,848 | 1/2 | 8,501 | 1/2 | 5,353 |
| 3/4 | 23,054 | 3/4 | 21,013 | 3/4 | 18,269 | 3/4 | 15,121 | 3/4 | 11,775 | 3/4 | 8,433 | 3/4 | 5,291 |
| 8 | 23,021 | 8 | 20,962 | 8 | 18,207 | 8 | 15,053 | 8 | 11,702 | 8 | 8,365 | 8 | 5,229 |
| 1/4 | 22,988 | 1/4 | 20,910 | 1/4 | 18,145 | 1/4 | 14,985 | 1/4 | 11,629 | 1/4 | 8,297 | 1/4 | 5,167 |
| 1/2 | 22,955 | 1/2 | 20,858 | 1/2 | 18,082 | 1/2 | 14,917 | 1/2 | 11,558 | 1/2 | 8,229 | 1/2 | 5,106 |
| 3/4 | 22,921 | 3/4 | 20,806 | 3/4 | 18,020 | 3/4 | 14,849 | 3/4 | 11,487 | 3/4 | 8,162 | 3/4 | 5,045 |
| 9 | 22,888 | 9 | 20,754 | 9 | 17,957 | 9 | 14,780 | 9 | 11,416 | 9 | 8,094 | 9 | 4,984 |
| 1/4 | 22,853 | 1/4 | 20,701 | 1/4 | 17,893 | 1/4 | 14,711 | 1/4 | 11,345 | 1/4 | 8,027 | 1/4 | 4,923 |
| 1/2 | 22,817 | 1/2 | 20,648 | 1/2 | 17,830 | 1/2 | 14,642 | 1/2 | 11,274 | 1/2 | 7,959 | 1/2 | 4,862 |
| 3/4 | 22,782 | 3/4 | 20,595 | 3/4 | 17,766 | 3/4 | 14,573 | 3/4 | 11,204 | 3/4 | 7,891 | 3/4 | 4,801 |
| 10 | 22,747 | 10 | 20,542 | 10 | 17,702 | 10 | 14,503 | 10 | 11,133 | 10 | 7,823 | 10 | 4,740 |
| 1/4 | 22,709 | 1/4 | 20,488 | 1/4 | 17,638 | 1/4 | 14,435 | 1/4 | 11,063 | 1/4 | 7,755 | 1/4 | 4,679 |
| 1/2 | 22,672 | 1/2 | 20,433 | 1/2 | 17,574 | 1/2 | 14,366 | 1/2 | 10,993 | 1/2 | 7,688 | 1/2 | 4,619 |
| 3/4 | 22,634 | 3/4 | 20,379 | 3/4 | 17,510 | 3/4 | 14,297 | 3/4 | 10,923 | 3/4 | 7,621 | 3/4 | 4,560 |
| 11 | 22,597 | 11 | 20,324 | 11 | 17,447 | 11 | 14,228 | 11 | 10,854 | 11 | 7,555 | 11 | 4,500 |
| 1/4 | 22,557 | 1/4 | 20,269 | 1/4 | 17,382 | 1/4 | 14,159 | 1/4 | 10,784 | 1/4 | 7,488 | 1/4 | 4,441 |
| 1/2 | 22,517 | 1/2 | 20,214 | 1/2 | 17,318 | 1/2 | 14,090 | 1/2 | 10,714 | 1/2 | 7,421 | 1/2 | 4,382 |
| 3/4 | 22,477 | 3/4 | 20,159 | 3/4 | 17,253 | 3/4 | 14,021 | 3/4 | 10,645 | 3/4 | 7,355 | 3/4 | 4,323 |

CAPACITY IN: U. S. GALLONS

TAPE CALIBRATED: 1/28/80

2% OUTAGE = 23,150 GALLONS (1'-7" FROM RIM OF HATCH)

SHELL FULL = 23,622 GALLONS (9'-1 1/4" INNAGE OR 1'-1" OUTAGE)

GAUGE HEIGHT: 10'-2 1/4" (FROM RIM OF HATCH)

J. K. Runtz

Chas. MARTIN
Inspectors
of Petroleum, Inc.
INDEPENDENT LICENSED INSPECTION

SHEET NO. 2 OF 2 TANK CAR
NUMBER:

DRAY 23533

DOWX

OUTAGE TABLE

JOB NO. 3060-TS

SER. NO. 161593-01-44

R. T. C. NO. 44

| 8 FEET | | 9 FEET | | 10 FEET | | FEET | | FEET | | FEET | | FEET | |
|--------|-------|--------|-------|---------|-----|------|--|------|--|------|--|------|--|
| IN. | | IN. | | IN. | | IN. | | IN. | | IN. | | IN. | |
| 0 | 4,264 | 0 | 1,741 | 0 | 112 | 0 | | 0 | | 0 | | 0 | |
| 1/4 | 4,205 | 1/4 | 1,696 | 1/4 | 93 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 4,147 | 1/2 | 1,651 | 1/2 | 78 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 4,088 | 3/4 | 1,607 | 3/4 | 63 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 1 | 4,030 | 1 | 1,563 | 1 | 48 | 1 | | 1 | | 1 | | 1 | |
| 1/4 | 3,972 | 1/4 | 1,519 | 1/4 | 33 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,915 | 1/2 | 1,476 | 1/2 | 25 | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,858 | 3/4 | 1,434 | 3/4 | 16 | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 2 | 3,800 | 2 | 1,391 | 2 | 8 | 2 | | 2 | | 2 | | 2 | |
| 1/4 | 3,743 | 1/4 | 1,349 | 1/4 | 0 | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,687 | 1/2 | 1,308 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,631 | 3/4 | 1,267 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 3 | 3,575 | 3 | 1,226 | 3 | | 3 | | 3 | | 3 | | 3 | |
| 1/4 | 3,519 | 1/4 | 1,185 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,464 | 1/2 | 1,145 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,409 | 3/4 | 1,105 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 4 | 3,353 | 4 | 1,066 | 4 | | 4 | | 4 | | 4 | | 4 | |
| 1/4 | 3,298 | 1/4 | 1,026 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,244 | 1/2 | 988 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 3,189 | 3/4 | 951 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 5 | 3,135 | 5 | 913 | 5 | | 5 | | 5 | | 5 | | 5 | |
| 1/4 | 3,080 | 1/4 | 876 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 3,027 | 1/2 | 840 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,974 | 3/4 | 805 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 6 | 2,921 | 6 | 770 | 6 | | 6 | | 6 | | 6 | | 6 | |
| 1/4 | 2,868 | 1/4 | 734 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,816 | 1/2 | 701 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,764 | 3/4 | 668 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 7 | 2,712 | 7 | 634 | 7 | | 7 | | 7 | | 7 | | 7 | |
| 1/4 | 2,660 | 1/4 | 601 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,610 | 1/2 | 569 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,559 | 3/4 | 537 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 8 | 2,508 | 8 | 505 | 8 | | 8 | | 8 | | 8 | | 8 | |
| 1/4 | 2,457 | 1/4 | 472 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,408 | 1/2 | 444 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,358 | 3/4 | 415 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 9 | 2,308 | 9 | 387 | 9 | | 9 | | 9 | | 9 | | 9 | |
| 1/4 | 2,258 | 1/4 | 359 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,210 | 1/2 | 334 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 2,162 | 3/4 | 310 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 10 | 2,114 | 10 | 286 | 10 | | 10 | | 10 | | 10 | | 10 | |
| 1/4 | 2,065 | 1/4 | 262 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 2,018 | 1/2 | 239 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,971 | 3/4 | 216 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |
| 11 | 1,925 | 11 | 193 | 11 | | 11 | | 11 | | 11 | | 11 | |
| 1/4 | 1,878 | 1/4 | 170 | 1/4 | | 1/4 | | 1/4 | | 1/4 | | 1/4 | |
| 1/2 | 1,832 | 1/2 | 151 | 1/2 | | 1/2 | | 1/2 | | 1/2 | | 1/2 | |
| 3/4 | 1,787 | 3/4 | 131 | 3/4 | | 3/4 | | 3/4 | | 3/4 | | 3/4 | |

CAPACITY IN: U. S. GALLONS

TAPE CALIBRATED: 1/28/80

GAUGE HEIGHT: 10'-2 1/4" (FROM RIM OF HATCH)

BY *J.P. Pariston*