

SRA X 23520

FORM NO. L-81x12-7

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

SHEET NO. 1 OF 2 TANK CAR
NUMBER:

DOWX

OUTAGE TABLE

JOB NO. 3060-TS SER. NO. 161593-01-42 R. T. C. NO. 42

| 1 FEET | | 2 FEET | | 3 FEET | | 4 FEET | | 5 FEET | | 6 FEET | | 7 FEET | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| IN. | | IN. | | IN. | | IN. | | IN. | | IN. | | IN. | |
| 0 | | 0 | 22,433 | 0 | 20,099 | 0 | 17,184 | 0 | 13,948 | 0 | 10,575 | 0 | 7,288 |
| 1/4 | | 1/4 | 22,392 | 1/4 | 20,043 | 1/4 | 17,119 | 1/4 | 13,879 | 1/4 | 10,505 | 1/4 | 7,222 |
| 1/2 | | 1/2 | 22,351 | 1/2 | 19,987 | 1/2 | 17,054 | 1/2 | 13,809 | 1/2 | 10,436 | 1/2 | 7,156 |
| 3/4 | | 3/4 | 22,310 | 3/4 | 19,931 | 3/4 | 16,989 | 3/4 | 13,740 | 3/4 | 10,366 | 3/4 | 7,090 |
| 1 | 23,618 | 1 | 22,269 | 1 | 19,875 | 1 | 16,924 | 1 | 13,671 | 1 | 10,297 | 1 | 7,024 |
| 1/4 | 23,610 | 1/4 | 22,227 | 1/4 | 19,818 | 1/4 | 16,858 | 1/4 | 13,601 | 1/4 | 10,227 | 1/4 | 6,958 |
| 1/2 | 23,602 | 1/2 | 22,184 | 1/2 | 19,761 | 1/2 | 16,792 | 1/2 | 13,531 | 1/2 | 10,157 | 1/2 | 6,892 |
| 3/4 | 23,594 | 3/4 | 22,142 | 3/4 | 19,703 | 3/4 | 16,726 | 3/4 | 13,461 | 3/4 | 10,087 | 3/4 | 6,826 |
| 2 | 23,585 | 2 | 22,099 | 2 | 19,646 | 2 | 16,650 | 2 | 13,391 | 2 | 10,017 | 2 | 6,760 |
| 1/4 | 23,570 | 1/4 | 22,055 | 1/4 | 19,588 | 1/4 | 16,594 | 1/4 | 13,321 | 1/4 | 9,947 | 1/4 | 6,694 |
| 1/2 | 23,555 | 1/2 | 22,011 | 1/2 | 19,530 | 1/2 | 16,528 | 1/2 | 13,252 | 1/2 | 9,878 | 1/2 | 6,629 |
| 3/4 | 23,540 | 3/4 | 21,967 | 3/4 | 19,471 | 3/4 | 16,462 | 3/4 | 13,182 | 3/4 | 9,809 | 3/4 | 6,564 |
| 3 | 23,525 | 3 | 21,923 | 3 | 19,413 | 3 | 16,396 | 3 | 13,113 | 3 | 9,739 | 3 | 6,499 |
| 1/4 | 23,506 | 1/4 | 21,877 | 1/4 | 19,354 | 1/4 | 16,330 | 1/4 | 13,043 | 1/4 | 9,670 | 1/4 | 6,434 |
| 1/2 | 23,487 | 1/2 | 21,832 | 1/2 | 19,295 | 1/2 | 16,263 | 1/2 | 12,973 | 1/2 | 9,601 | 1/2 | 6,369 |
| 3/4 | 23,467 | 3/4 | 21,786 | 3/4 | 19,236 | 3/4 | 16,197 | 3/4 | 12,904 | 3/4 | 9,532 | 3/4 | 6,305 |
| 4 | 23,448 | 4 | 21,740 | 4 | 19,178 | 4 | 16,130 | 4 | 12,834 | 4 | 9,463 | 4 | 6,240 |
| 1/4 | 23,425 | 1/4 | 21,694 | 1/4 | 19,118 | 1/4 | 16,064 | 1/4 | 12,764 | 1/4 | 9,394 | 1/4 | 6,176 |
| 1/2 | 23,402 | 1/2 | 21,647 | 1/2 | 19,058 | 1/2 | 15,997 | 1/2 | 12,695 | 1/2 | 9,325 | 1/2 | 6,112 |
| 3/4 | 23,379 | 3/4 | 21,600 | 3/4 | 18,999 | 3/4 | 15,930 | 3/4 | 12,625 | 3/4 | 9,257 | 3/4 | 6,048 |
| 5 | 23,356 | 5 | 21,553 | 5 | 18,939 | 5 | 15,863 | 5 | 12,555 | 5 | 9,188 | 5 | 5,984 |
| 1/4 | 23,332 | 1/4 | 21,505 | 1/4 | 18,878 | 1/4 | 15,795 | 1/4 | 12,485 | 1/4 | 9,119 | 1/4 | 5,920 |
| 1/2 | 23,308 | 1/2 | 21,456 | 1/2 | 18,817 | 1/2 | 15,727 | 1/2 | 12,414 | 1/2 | 9,050 | 1/2 | 5,857 |
| 3/4 | 23,284 | 3/4 | 21,408 | 3/4 | 18,756 | 3/4 | 15,659 | 3/4 | 12,344 | 3/4 | 8,981 | 3/4 | 5,793 |
| 6 | 23,260 | 6 | 21,360 | 6 | 18,695 | 6 | 15,592 | 6 | 12,273 | 6 | 8,911 | 6 | 5,729 |
| 1/4 | 23,231 | 1/4 | 21,310 | 1/4 | 18,634 | 1/4 | 15,524 | 1/4 | 12,202 | 1/4 | 8,842 | 1/4 | 5,666 |
| 1/2 | 23,203 | 1/2 | 21,260 | 1/2 | 18,573 | 1/2 | 15,456 | 1/2 | 12,131 | 1/2 | 8,774 | 1/2 | 5,603 |
| 3/4 | 23,175 | 3/4 | 21,210 | 3/4 | 18,512 | 3/4 | 15,389 | 3/4 | 12,060 | 3/4 | 8,706 | 3/4 | 5,540 |
| 7 | 23,146 | 7 | 21,161 | 7 | 18,451 | 7 | 15,321 | 7 | 11,989 | 7 | 8,637 | 7 | 5,478 |
| 1/4 | 23,114 | 1/4 | 21,110 | 1/4 | 18,389 | 1/4 | 15,253 | 1/4 | 11,917 | 1/4 | 8,569 | 1/4 | 5,415 |
| 1/2 | 23,082 | 1/2 | 21,059 | 1/2 | 18,327 | 1/2 | 15,185 | 1/2 | 11,845 | 1/2 | 8,501 | 1/2 | 5,353 |
| 3/4 | 23,049 | 3/4 | 21,008 | 3/4 | 18,265 | 3/4 | 15,117 | 3/4 | 11,773 | 3/4 | 8,433 | 3/4 | 5,291 |
| 8 | 23,017 | 8 | 20,958 | 8 | 18,203 | 8 | 15,049 | 8 | 11,701 | 8 | 8,365 | 8 | 5,229 |
| 1/4 | 22,984 | 1/4 | 20,905 | 1/4 | 18,140 | 1/4 | 14,981 | 1/4 | 11,629 | 1/4 | 8,297 | 1/4 | 5,167 |
| 1/2 | 22,950 | 1/2 | 20,854 | 1/2 | 18,078 | 1/2 | 14,912 | 1/2 | 11,558 | 1/2 | 8,229 | 1/2 | 5,106 |
| 3/4 | 22,917 | 3/4 | 20,802 | 3/4 | 18,015 | 3/4 | 14,844 | 3/4 | 11,487 | 3/4 | 8,162 | 3/4 | 5,045 |
| 9 | 22,884 | 9 | 20,750 | 9 | 17,952 | 9 | 14,776 | 9 | 11,416 | 9 | 8,094 | 9 | 4,984 |
| 1/4 | 22,848 | 1/4 | 20,697 | 1/4 | 17,889 | 1/4 | 14,707 | 1/4 | 11,345 | 1/4 | 8,027 | 1/4 | 4,923 |
| 1/2 | 22,813 | 1/2 | 20,644 | 1/2 | 17,825 | 1/2 | 14,637 | 1/2 | 11,274 | 1/2 | 7,959 | 1/2 | 4,862 |
| 3/4 | 22,778 | 3/4 | 20,591 | 3/4 | 17,761 | 3/4 | 14,568 | 3/4 | 11,204 | 3/4 | 7,891 | 3/4 | 4,801 |
| 10 | 22,742 | 10 | 20,538 | 10 | 17,698 | 10 | 14,499 | 10 | 11,133 | 10 | 7,823 | 10 | 4,740 |
| 1/4 | 22,705 | 1/4 | 20,483 | 1/4 | 17,634 | 1/4 | 14,430 | 1/4 | 11,063 | 1/4 | 7,755 | 1/4 | 4,679 |
| 1/2 | 22,667 | 1/2 | 20,429 | 1/2 | 17,570 | 1/2 | 14,362 | 1/2 | 10,993 | 1/2 | 7,688 | 1/2 | 4,619 |
| 3/4 | 22,630 | 3/4 | 20,374 | 3/4 | 17,506 | 3/4 | 14,293 | 3/4 | 10,923 | 3/4 | 7,621 | 3/4 | 4,560 |
| 11 | 22,593 | 11 | 20,320 | 11 | 17,442 | 11 | 14,224 | 11 | 10,854 | 11 | 7,555 | 11 | 4,500 |
| 1/4 | 22,553 | 1/4 | 20,265 | 1/4 | 17,378 | 1/4 | 14,155 | 1/4 | 10,784 | 1/4 | 7,488 | 1/4 | 4,441 |
| 1/2 | 22,513 | 1/2 | 20,210 | 1/2 | 17,313 | 1/2 | 14,086 | 1/2 | 10,714 | 1/2 | 7,421 | 1/2 | 4,382 |
| 3/4 | 22,473 | 3/4 | 20,154 | 3/4 | 17,249 | 3/4 | 14,017 | 3/4 | 10,645 | 3/4 | 7,355 | 3/4 | 4,323 |

CAPACITY IN: U. S. GALLONS TAPE CALIBRATED: 1/28/80

2% OUTAGE = 23,146 GALLONS (1'-7" FROM RIM OF HATCH)

SHELL FULL = 23,618 GALLONS (9'-1 1/4" INNAGE OR 1'-1" OUTAGE) BY *J. L. Sinton*

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

STAX 23520

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

SHEET NO. 2 OF 2 TANK CAR
NUMBER:

DOWX

OUTAGE TABLE

JOB NO. 3060-TS SER. NO. 161593-01-42 R. T. C. NO. 42

| 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 | 504 | 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 | 443 | 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 | 358 | 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. E. Linton*