

| F# | TIME | DEPTH m | ROP m/hr | TORQUE | | RPM AVG | JOB AVG | PUMP PRES | M.V. lb/gal | | FLOW/MIN | | TEMP (C) | | PVT | ---THIS BIT--- | | | ---COST--- | | EST TV | DXC | NK | NKB | ECD | EST PM PR | |
|-----|------|------------|-------------|--------|------|------------|------------|--------------|-------------|------|----------|-----|----------|------|------|----------------|--------|-----|------------|------|-----------|------|------|------|------|--------------|------|
| | | | | AVG | MAX | | | | IN | OUT | IN | OUT | IN | OUT | | REVS | m | hrs | INST | RUN | | | | | | | |
| 470 | 0506 | 2931.9 | 2.97 | 2.63 | 3.45 | 89 | 43.1 | 2323 | 2923.9 | 9.25 | 9.40 | 612 | 536 | 39.9 | 54.5 | 379 | 143662 | 125 | 27.1 | 1637 | 1254 | 1.25 | 1.79 | 1.75 | 3.90 | 9.47 | 8.70 |
| 471 | 0512 | 2932.2 | 2.85 | 2.57 | 3.40 | 93 | 41.5 | 2320 | 2929.2 | 9.27 | 9.41 | 611 | 556 | 40.7 | 54.7 | 377 | 144223 | 125 | 27.3 | 1751 | 1255 | 1.25 | 1.82 | 1.73 | 3.90 | 9.46 | 8.70 |
| 472 | 0519 | 2932.5 | 2.84 | 2.59 | 3.42 | 93 | 41.6 | 2820 | 2929.5 | 9.27 | 9.41 | 611 | 547 | 41.1 | 54.8 | 376 | 144801 | 125 | 27.4 | 1900 | 1256 | 1.25 | 1.83 | 1.78 | 3.90 | 9.46 | 8.70 |
| 473 | 0526 | 2932.8 | 2.51 | 2.51 | 3.40 | 90 | 41.9 | 2310 | 2929.8 | 9.29 | 9.41 | 610 | 496 | 41.1 | 55.0 | 373 | 145468 | 126 | 27.5 | 2255 | 1258 | 1.26 | 1.87 | 1.83 | 3.91 | 9.45 | 8.70 |
| 474 | 0534 | 2933.1 | 2.26 | 2.60 | 3.22 | 89 | 42.6 | 2310 | 2930.2 | 9.30 | 9.45 | 610 | 550 | 41.0 | 54.6 | 369 | 146170 | 126 | 27.6 | 2116 | 1260 | 1.27 | 1.91 | 1.86 | 3.91 | 9.44 | 8.70 |
| 475 | 0540 | 2933.4 | 2.92 | 2.49 | 3.13 | 89 | 41.3 | 2820 | 2930.5 | 9.30 | 9.44 | 610 | 558 | 41.0 | 55.2 | 367 | 146729 | 126 | 27.7 | 1743 | 1261 | 1.27 | 1.82 | 1.78 | 3.91 | 9.43 | 8.70 |
| 476 | 0547 | 2933.7 | 2.72 | 2.57 | 3.39 | 88 | 41.7 | 2310 | 2930.9 | 9.31 | 9.45 | 609 | 456 | 41.0 | 54.9 | 366 | 147321 | 126 | 27.8 | 1907 | 1263 | 1.28 | 1.84 | 1.80 | 3.91 | 9.43 | 8.70 |
| 477 | 0555 | 2934.0 | 2.39 | 2.60 | 3.65 | 88 | 43.2 | 2810 | 2931.2 | 9.32 | 9.43 | 610 | 521 | 38.0 | 55.1 | 364 | 147992 | 127 | 28.0 | 2736 | 1265 | 1.28 | 1.90 | 1.86 | 3.91 | 9.42 | 8.70 |
| 478 | 0602 | 2934.3 | 2.42 | 2.49 | 3.10 | 89 | 42.8 | 2810 | 2931.5 | 9.33 | 9.41 | 610 | 533 | 39.1 | 55.0 | 363 | 148658 | 127 | 28.1 | 2169 | 1267 | 1.29 | 1.90 | 1.85 | 3.91 | 9.41 | 8.70 |
| 479 | 0610 | 2934.6 | 2.34 | 2.52 | 3.26 | 89 | 42.0 | 2820 | 2931.9 | 9.29 | 9.42 | 611 | 602 | 38.8 | 55.2 | 358 | 149351 | 127 | 28.2 | 2157 | 1269 | 1.29 | 1.90 | 1.85 | 3.91 | 9.40 | 8.70 |
| 480 | 0618 | 2934.9 | 2.19 | 2.51 | 3.34 | 89 | 42.8 | 2820 | 2932.4 | 9.26 | 9.42 | 610 | 645 | 38.4 | 54.9 | 356 | 150090 | 128 | 28.3 | 2271 | 1271 | 1.30 | 1.93 | 1.88 | 3.91 | 9.40 | 8.70 |
| 481 | 0626 | 2935.2 | 2.43 | 2.57 | 3.14 | 93 | 42.1 | 2820 | 2932.7 | 9.26 | 9.40 | 610 | 575 | 38.0 | 55.1 | 354 | 150748 | 128 | 28.5 | 2374 | 1273 | 1.30 | 1.89 | 1.84 | 3.91 | 9.39 | 8.70 |
| 482 | 0634 | 2935.6 | 2.36 | 2.51 | 3.25 | 93 | 43.7 | 2830 | 2933.1 | 9.25 | 9.34 | 611 | 596 | 37.8 | 54.9 | 354 | 151505 | 128 | 28.6 | 2647 | 1275 | 1.31 | 1.93 | 1.88 | 3.91 | 9.39 | 8.70 |
| 483 | 0642 | 2935.9 | 2.19 | 2.47 | 3.44 | 91 | 42.1 | 2830 | 2933.5 | 9.31 | 9.35 | 612 | 557 | 38.0 | 54.8 | 355 | 152263 | 129 | 28.7 | 2116 | 1278 | 1.32 | 1.93 | 1.88 | 3.91 | 9.39 | 8.70 |
| 484 | 0654 | 2936.2 | 2.96 | 2.53 | 3.14 | 91 | 41.4 | 2860 | 2933.9 | 9.34 | 9.36 | 604 | 533 | 39.1 | 54.7 | 372 | 152349 | 129 | 28.9 | 2081 | 1279 | 1.32 | 1.83 | 1.79 | 3.91 | 9.38 | 8.70 |
| 485 | 0657 | 2936.4 | 3.12 | 2.57 | 2.98 | 90 | 42.4 | 2870 | 2934.0 | 9.35 | 9.39 | 613 | 562 | 39.5 | 54.8 | 366 | 152977 | 129 | 28.9 | 2014 | 1277 | 1.32 | 1.81 | 1.76 | 3.91 | 9.38 | 8.70 |
| 486 | 0705 | 2936.8 | 2.53 | 2.49 | 3.49 | 89 | 41.9 | 2840 | 2934.3 | 9.34 | 9.41 | 613 | 565 | 39.2 | 54.2 | 357 | 153693 | 129 | 29.0 | 1779 | 1279 | 1.33 | 1.87 | 1.83 | 3.91 | 9.38 | 8.70 |
| 487 | 0713 | 2937.1 | 1.94 | 2.58 | 3.56 | 89 | 40.3 | 2850 | 2934.7 | 9.35 | 9.37 | 613 | 599 | 39.5 | 54.7 | 356 | 154447 | 130 | 29.2 | 2471 | 1281 | 1.33 | 1.93 | 1.89 | 3.92 | 9.38 | 8.70 |
| 488 | 0720 | 2937.4 | 2.51 | 2.50 | 3.11 | 93 | 41.0 | 2840 | 2935.0 | 9.32 | 9.38 | 614 | 626 | 39.2 | 54.9 | 360 | 155077 | 130 | 29.3 | 1808 | 1283 | 1.34 | 1.87 | 1.82 | 3.92 | 9.39 | 8.70 |
| 489 | 0730 | 2937.7 | 1.85 | 2.46 | 3.24 | 88 | 41.3 | 2840 | 2935.4 | 9.31 | 9.41 | 613 | 638 | 39.1 | 55.0 | 366 | 155954 | 130 | 29.4 | 2221 | 1286 | 1.35 | 1.96 | 1.91 | 3.92 | 9.39 | 8.70 |
| 490 | 0739 | 2938.0 | 2.12 | 2.49 | 3.33 | 87 | 40.6 | 2840 | 2935.7 | 9.33 | 9.43 | 613 | 535 | 38.7 | 54.7 | 373 | 156718 | 131 | 29.6 | 2547 | 1289 | 1.35 | 1.90 | 1.85 | 3.92 | 9.40 | 8.70 |
| 491 | 0747 | 2938.3 | 2.37 | 2.53 | 3.46 | 88 | 39.4 | 2830 | 2936.0 | 9.33 | 9.42 | 614 | 569 | 39.0 | 54.8 | 377 | 157378 | 131 | 29.7 | 2126 | 1290 | 1.36 | 1.85 | 1.81 | 3.92 | 9.40 | 8.70 |
| 492 | 0751 | 2938.6 | 3.96 | 2.43 | 3.42 | 89 | 39.2 | 2830 | 2936.2 | 9.34 | 9.40 | 614 | 573 | 39.0 | 54.9 | 378 | 157787 | 131 | 29.8 | 1283 | 1290 | 1.36 | 1.71 | 1.66 | 3.92 | 9.40 | 8.70 |
| 493 | 0800 | 2938.9 | 2.82 | 2.62 | 3.18 | 89 | 41.7 | 2830 | 2936.6 | 9.34 | 9.39 | 614 | 532 | 39.1 | 54.4 | 382 | 158595 | 132 | 29.9 | 2242 | 1293 | 1.37 | 1.93 | 1.89 | 3.92 | 9.40 | 8.70 |
| 494 | 0808 | 2939.2 | 2.29 | 2.62 | 3.64 | 89 | 41.0 | 2830 | 2936.9 | 9.35 | 9.40 | 613 | 573 | 39.2 | 54.9 | 390 | 159300 | 132 | 30.1 | 2190 | 1295 | 1.37 | 1.89 | 1.85 | 3.92 | 9.40 | 8.70 |
| 495 | 0815 | 2939.5 | 2.64 | 2.52 | 3.61 | 89 | 39.9 | 2830 | 2937.1 | 9.32 | 9.42 | 613 | 582 | 40.4 | 54.6 | 402 | 159913 | 132 | 30.2 | 2028 | 1297 | 1.38 | 1.83 | 1.78 | 3.92 | 9.40 | 8.70 |
| 496 | 0823 | 2939.8 | 2.46 | 2.63 | 3.73 | 88 | 41.2 | 2840 | 2937.5 | 9.33 | 9.42 | 614 | 597 | 40.5 | 54.5 | 412 | 160566 | 133 | 30.3 | 2019 | 1298 | 1.38 | 1.87 | 1.82 | 3.92 | 9.41 | 8.70 |
| 497 | 0830 | 2940.1 | 2.44 | 2.57 | 3.41 | 89 | 40.9 | 2830 | 2937.8 | 9.34 | 9.43 | 614 | 559 | 40.3 | 54.8 | 417 | 161231 | 133 | 30.4 | 2132 | 1300 | 1.39 | 1.87 | 1.82 | 3.92 | 9.42 | 8.70 |
| 498 | 0839 | 2940.4 | 2.11 | 2.61 | 3.49 | 89 | 42.5 | 2830 | 2938.2 | 9.35 | 9.37 | 614 | 558 | 40.0 | 54.2 | 422 | 162002 | 133 | 30.6 | 2271 | 1302 | 1.39 | 1.93 | 1.88 | 3.92 | 9.43 | 8.70 |
| 499 | 0845 | 2940.7 | 2.91 | 2.64 | 3.44 | 93 | 40.9 | 2820 | 2938.4 | 9.32 | 9.35 | 615 | 560 | 41.4 | 54.6 | 427 | 162563 | 133 | 30.7 | 1707 | 1303 | 1.40 | 1.82 | 1.77 | 3.92 | 9.43 | 8.70 |
| 500 | 0853 | 2941.0 | 2.30 | 2.64 | 3.57 | 89 | 41.0 | 2820 | 2938.6 | 9.36 | 9.37 | 610 | 561 | 41.0 | 54.0 | 434 | 163271 | 134 | 30.8 | 2300 | 1305 | 1.40 | 1.88 | 1.84 | 3.92 | 9.43 | 8.70 |
| 501 | 0901 | 2941.3 | 2.31 | 2.61 | 3.33 | 89 | 40.8 | 2810 | 2938.9 | 9.35 | 9.35 | 614 | 562 | 40.8 | 54.3 | 438 | 163976 | 134 | 30.9 | 2654 | 1307 | 1.41 | 1.88 | 1.83 | 3.92 | 9.43 | 8.70 |
| 502 | 0908 | 2941.6 | 2.48 | 2.65 | 3.41 | 89 | 40.8 | 2820 | 2939.2 | 9.35 | 9.35 | 614 | 568 | 40.3 | 54.3 | 443 | 164631 | 134 | 31.1 | 1860 | 1309 | 1.41 | 1.86 | 1.81 | 3.93 | 9.43 | 8.70 |
| 503 | 0916 | 2942.0 | 2.50 | 2.65 | 3.78 | 89 | 41.6 | 2820 | 2939.6 | 9.34 | 9.38 | 614 | 563 | 40.2 | 54.0 | 450 | 165325 | 135 | 31.2 | 2003 | 1311 | 1.42 | 1.87 | 1.82 | 3.93 | 9.43 | 8.70 |
| 504 | 0924 | 2942.2 | 2.19 | 2.56 | 3.30 | 87 | 41.0 | 2830 | 2939.9 | 9.36 | 9.33 | 614 | 568 | 39.9 | 54.4 | 454 | 166003 | 135 | 31.3 | 2158 | 1312 | 1.43 | 1.89 | 1.84 | 3.93 | 9.43 | 8.70 |
| 505 | 0931 | 2942.5 | 2.53 | 2.60 | 3.26 | 89 | 41.2 | 2820 | 2940.2 | 9.39 | 9.36 | 614 | 567 | 39.9 | 53.9 | 459 | 166646 | 135 | 31.4 | 2393 | 1314 | 1.43 | 1.86 | 1.81 | 3.93 | 9.43 | 8.70 |
| 506 | 0940 | 2942.9 | 2.10 | 2.66 | 3.32 | 89 | 41.4 | 2820 | 2940.6 | 9.33 | 9.34 | 615 | 572 | 40.0 | 54.1 | 463 | 167465 | 136 | 31.6 | 2557 | 1316 | 1.44 | 1.91 | 1.87 | 3.93 | 9.43 | 8.70 |
| 507 | 0946 | 2943.1 | 3.06 | 2.68 | 3.50 | 88 | 40.1 | 2820 | 2940.8 | 9.31 | 9.34 | 615 | 649 | 40.0 | 54.1 | 467 | 167961 | 136 | 31.7 | 1712 | 1317 | 1.44 | 1.78 | 1.74 | 3.93 | 9.44 | 8.70 |
| 508 | 0953 | 2943.5 | 2.51 | 2.87 | 3.50 | 89 | 41.4 | 2820 | 2941.1 | 9.27 | 9.38 | 615 | 586 | 39.2 | 54.2 | 463 | 168610 | 136 | 31.8 | 2013 | 1318 | 1.45 | 1.86 | 1.81 | 3.93 | 9.43 | 8.70 |
| 509 | 0959 | 2943.8 | 3.06 | 2.77 | 3.55 | 89 | 41.5 | 2820 | 2941.3 | 9.20 | 9.38 | 615 | 623 | 36.9 | 54.1 | 451 | 169142 | 137 | 31.9 | 1687 | 1319 | 1.45 | 1.81 | 1.76 | 3.93 | 9.43 | 8.70 |
| 510 | 1005 | 2944.1 | 3.02 | 2.56 | 3.60 | 87 | 40.3 | 2830 | 2941.5 | 9.19 | 9.35 | 615 | 632 | 36.8 | 53.9 | 443 | 169697 | 137 | 32.0 | 1605 | 1320 | 1.45 | 1.79 | 1.74 | 3.93 | 9.44 | 8.70 |
| 511 | 1013 | 2944.4 | 2.48 | 2.63 | 3.53 | 88 | 40.4 | 2820 | 2941.8 | 9.21 | 9.36 | 616 | 619 | 37.3 | 54.0 | 445 | 170342 | 137 | 32.1 | 1875 | 1322 | 1.46 | 1.85 | 1.80 | 3.93 | 9.44 | 8.70 |
| 512 | 1019 | 2944.7 | 2.64 | 2.60 | 3.43 | 89 | 40.6 | 2820 | 2942.1 | 9.23 | 9.39 | 616 | 599 | 38.3 | 53.9 | 446 | 170954 | 137 | 32.2 | 2029 | 1323 | 1.46 | 1.84 | 1.79 | 3.93 | 9.44 | 8.70 |
| 513 | 1026 | 2945.0 | 2.57 | 2.71 | 3.55 | 87 | 41.6 | 2830 | 2942.3 | 9.25 | 9.36 | 615 | 593 | 39.3 | 54.2 | 448 | 171490 | 138 | 32.3 | 1770 | 1324 | 1.47 | 1.85 | 1.80 | 3.93 | 9.44 | 8.70 |
| 514 | 1033 | 2945.3 | 2.34 | 2.56 | 3.37 | 88 | 41.5 | 2830 | 2942.6 | 9.26 | 9.40 | 615 | 555 | 39.7 | 54.2 | 448 | 172178 | 138 | 32.5 | 2160 | 1325 | 1.47 | 1.88 | 1.83 | 3.93 | 9.42 | 8.70 |
| 515 | 1044 | 2945.6 | 3.34 | 2.63 | 3.45 | 87 | 39.7 | 2780 | 2943.0 | 9.31 | 9.34 | 605 | 472 | 40.1 | 54.8 | 467 | 172687 | 138 | 32.6 | 1582 | 1326 | | | | | | |