

EXOG

AMOCO AUST.

Tilana No.1

329228

Data Printed at time 06:54
Data Recorded at time 11:14

Date Oct 16 '85
Date Oct 12 '85

160

| F# | TIME | DEPTH m | ROP m/hr | TORQUE | | RPM AVG | WOB AVG | PUMP PRES | RTRNS DEPTH | MW lb/gal | | FLOW/MIN | | TEMP (C) | | PVT | —THIS BIT— | | | EST TW | DKC | NK | NKB | ECD | EST EM PR | | |
|------------------------|------|------------|-------------|--------|------|------------|------------|--------------|----------------|-----------|------|----------|-----|----------|------|-----|------------|------|------|-----------|------|-----|------|------|--------------|------|------|
| | | | | AVG | MAX | | | | | IN | OUT | IN | OUT | IN | OUT | | REVS | m | hrs | | | | | | | INST | RUN |
| 103 | 1114 | 3096.8 | 1.74 | 3.41 | 4.80 | 87 | 42.0 | 2840 | 3091.5 | 9.28 | 9.42 | 611 | 491 | 52.8 | 51.9 | 400 | 35785 | 30.8 | 6.7 | 2482 | 1781 | .33 | 1.96 | 1.95 | 4.29 | 9.48 | 8.70 |
| 104 | 1118 | 3097.1 | 4.12 | 3.40 | 3.76 | 87 | 42.7 | 2840 | 3092.0 | 9.28 | 9.42 | 612 | 501 | 52.8 | 51.9 | 399 | 36171 | 31.1 | 6.8 | 1177 | 1775 | .33 | 1.72 | 1.71 | 4.29 | 9.47 | 8.70 |
| 105 | 1127 | 3097.4 | 2.39 | 3.34 | 3.88 | 87 | 42.5 | 2840 | 3092.6 | 9.33 | 9.41 | 611 | 497 | 52.7 | 52.1 | 398 | 36878 | 31.4 | 6.9 | 2599 | 1780 | .34 | 1.88 | 1.87 | 4.29 | 9.46 | 8.70 |
| 106 | 1130 | 3097.7 | 5.23 | 3.45 | 4.34 | 87 | 41.5 | 2840 | 3092.8 | 9.32 | 9.42 | 611 | 530 | 52.7 | 51.9 | 398 | 37162 | 31.7 | 7.0 | 904 | 1771 | .34 | 1.64 | 1.63 | 4.30 | 9.46 | 8.70 |
| 107 | 1131 | 3093.0 | 18.0 | 3.50 | 4.05 | 87 | 40.2 | 2840 | 3092.8 | 9.33 | 9.40 | 611 | 490 | 52.6 | 52.2 | 398 | 37254 | 32.0 | 7.0 | 302 | 1758 | .34 | 1.27 | 1.27 | 4.29 | 9.45 | 8.70 |
| 108 | 1132 | 3098.3 | 11.8 | 3.41 | 3.71 | 87 | 40.8 | 2850 | 3092.8 | 9.33 | 9.40 | 611 | 483 | 52.6 | 52.2 | 400 | 37379 | 32.3 | 7.0 | 374 | 1745 | .34 | 1.40 | 1.39 | 4.30 | 9.45 | 8.70 |
| 109 | 1133 | 3098.6 | 23.4 | 3.86 | 4.16 | 87 | 42.4 | 2840 | 3092.8 | 9.33 | 9.40 | 611 | 487 | 52.6 | 52.2 | 397 | 37445 | 32.6 | 7.0 | 222 | 1731 | .34 | 1.22 | 1.21 | 4.30 | 9.46 | 8.70 |
| + Flow check at 3099m. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 111 | 1140 | 3098.9 | 9.74 | 3.77 | 4.25 | 88 | 42.4 | 2830 | 3092.9 | 9.35 | 9.42 | 606 | 479 | 52.6 | 52.2 | 411 | 37623 | 32.9 | 7.1 | 604 | 1722 | .34 | 1.48 | 1.47 | 4.30 | 9.45 | 8.70 |
| 112 | 1144 | 3099.2 | 4.26 | 3.94 | 4.52 | 89 | 43.1 | 2830 | 3093.1 | 9.32 | 9.36 | 609 | 514 | 52.1 | 52.1 | 399 | 37998 | 33.2 | 7.1 | 5719 | 1715 | .35 | 1.73 | 1.72 | 4.30 | 9.45 | 8.70 |
| 113 | 1151 | 3099.5 | 2.63 | 3.39 | 4.11 | 89 | 41.8 | 2830 | 3093.4 | 9.33 | 9.41 | 610 | 515 | 52.0 | 52.3 | 400 | 38583 | 33.5 | 7.3 | 2084 | 1715 | .35 | 1.85 | 1.84 | 4.30 | 9.45 | 8.70 |
| 114 | 1157 | 3099.8 | 2.84 | 3.19 | 3.84 | 87 | 41.3 | 2830 | 3093.8 | 9.33 | 9.40 | 609 | 520 | 51.9 | 52.3 | 401 | 39166 | 33.8 | 7.4 | 1915 | 1716 | .36 | 1.82 | 1.81 | 4.30 | 9.45 | 8.70 |
| 115 | 1200 | 3100.1 | 5.96 | 3.27 | 3.94 | 88 | 42.1 | 2820 | 3094.2 | 9.33 | 9.41 | 610 | 514 | 51.8 | 52.7 | 397 | 39433 | 34.1 | 7.4 | 937 | 1709 | .36 | 1.62 | 1.61 | 4.30 | 9.45 | 8.70 |
| 116 | 1205 | 3100.4 | 3.17 | 2.98 | 3.93 | 87 | 42.1 | 2840 | 3094.5 | 9.35 | 9.44 | 610 | 532 | 51.8 | 52.8 | 401 | 39874 | 34.4 | 7.5 | 1156 | 1705 | .36 | 1.80 | 1.79 | 4.30 | 9.45 | 8.70 |
| 117 | 1217 | 3100.7 | 1.54 | 2.89 | 3.84 | 88 | 42.6 | 2830 | 3095.4 | 9.36 | 9.47 | 610 | 554 | 51.6 | 53.2 | 408 | 40914 | 34.7 | 7.7 | 2125 | 1719 | .37 | 2.01 | 2.01 | 4.30 | 9.44 | 8.70 |
| 118 | 1226 | 3101.0 | 2.05 | 2.83 | 3.77 | 88 | 42.1 | 2830 | 3095.8 | 9.38 | 9.48 | 609 | 578 | 51.7 | 53.8 | 419 | 41697 | 35.0 | 7.8 | 2509 | 1725 | .38 | 1.92 | 1.91 | 4.30 | 9.44 | 8.70 |
| 119 | 1232 | 3101.3 | 3.21 | 2.86 | 3.86 | 87 | 43.2 | 2810 | 3096.0 | 9.41 | 9.48 | 610 | 545 | 51.3 | 53.8 | 421 | 42194 | 35.3 | 7.9 | 1460 | 1723 | .38 | 1.81 | 1.80 | 4.30 | 9.44 | 8.70 |
| 120 | 1242 | 3101.6 | 1.84 | 3.01 | 3.40 | 88 | 42.1 | 2830 | 3096.3 | 9.40 | 9.45 | 608 | 523 | 51.3 | 54.4 | 432 | 43061 | 35.6 | 8.1 | 2815 | 1733 | .39 | 1.96 | 1.95 | 4.30 | 9.44 | 8.70 |
| 121 | 1257 | 3102.0 | 3.33 | 2.72 | 3.83 | 87 | 39.9 | 2820 | 3096.8 | 9.42 | 9.34 | 605 | 498 | 51.6 | 54.4 | 460 | 43617 | 35.9 | 8.2 | 1545 | 1732 | .40 | 1.75 | 1.74 | 4.31 | 9.45 | 8.70 |
| 122 | 1306 | 3102.3 | 2.12 | 2.86 | 3.57 | 88 | 42.0 | 2810 | 3097.2 | 9.35 | 9.48 | 606 | 564 | 51.5 | 54.5 | 458 | 44370 | 36.3 | 8.4 | 2065 | 1737 | .40 | 1.91 | 1.90 | 4.31 | 9.46 | 8.70 |
| 123 | 1309 | 3102.6 | 7.31 | 2.98 | 3.71 | 87 | 41.6 | 2810 | 3097.6 | 9.35 | 9.48 | 607 | 567 | 51.5 | 54.6 | 455 | 44590 | 36.5 | 8.4 | 771 | 1729 | .41 | 1.55 | 1.54 | 4.31 | 9.46 | 8.70 |
| 124 | 1315 | 3102.9 | 2.72 | 3.24 | 4.35 | 87 | 42.1 | 2810 | 3098.4 | 9.36 | 9.47 | 606 | 534 | 51.8 | 54.7 | 461 | 45117 | 36.9 | 8.5 | 1044 | 1728 | .41 | 1.84 | 1.83 | 4.31 | 9.46 | 8.70 |
| 125 | 1316 | 3103.2 | 9.65 | 3.29 | 4.04 | 87 | 42.4 | 2780 | 3098.7 | 9.36 | 9.47 | 605 | 497 | 51.8 | 54.7 | 461 | 45282 | 37.2 | 8.5 | 540 | 1718 | .41 | 1.47 | 1.46 | 4.31 | 9.46 | 8.70 |
| 126 | 1321 | 3103.5 | 3.88 | 3.40 | 4.29 | 87 | 42.6 | 2810 | 3099.0 | 9.35 | 9.50 | 606 | 534 | 52.0 | 54.3 | 465 | 45693 | 37.5 | 8.6 | 771 | 1714 | .42 | 1.74 | 1.73 | 4.31 | 9.47 | 8.70 |
| 127 | 1330 | 3103.8 | 2.18 | 3.34 | 4.36 | 87 | 43.1 | 2810 | 3099.4 | 9.35 | 9.49 | 606 | 548 | 52.2 | 54.0 | 468 | 46424 | 37.8 | 8.7 | 2764 | 1719 | .42 | 1.91 | 1.90 | 4.31 | 9.47 | 8.70 |
| 128 | 1335 | 3104.1 | 3.62 | 3.12 | 4.06 | 87 | 42.0 | 2820 | 3099.8 | 9.37 | 9.48 | 607 | 526 | 52.3 | 53.8 | 471 | 46904 | 38.1 | 8.8 | 1690 | 1718 | .43 | 1.75 | 1.74 | 4.31 | 9.47 | 8.70 |
| 129 | 1337 | 3104.4 | 8.01 | 3.21 | 3.96 | 87 | 41.8 | 2820 | 3099.9 | 9.37 | 9.48 | 607 | 497 | 52.3 | 53.8 | 474 | 47102 | 38.4 | 8.9 | 675 | 1709 | .43 | 1.52 | 1.51 | 4.31 | 9.47 | 8.70 |
| 130 | 1341 | 3104.7 | 3.96 | 3.21 | 4.06 | 87 | 42.5 | 2810 | 3100.2 | 9.37 | 9.48 | 606 | 458 | 52.6 | 53.7 | 475 | 47471 | 38.7 | 8.9 | 867 | 1704 | .43 | 1.73 | 1.72 | 4.31 | 9.48 | 8.70 |
| 131 | 1347 | 3105.0 | 3.05 | 3.34 | 4.02 | 87 | 43.6 | 2810 | 3100.3 | 9.37 | 9.48 | 607 | 470 | 52.6 | 53.6 | 480 | 47991 | 39.0 | 9.0 | 1695 | 1704 | .44 | 1.82 | 1.81 | 4.31 | 9.48 | 8.70 |
| 132 | 1355 | 3105.3 | 2.52 | 3.17 | 3.86 | 88 | 41.4 | 2810 | 3100.6 | 9.40 | 9.48 | 607 | 489 | 52.5 | 53.7 | 484 | 48673 | 39.3 | 9.2 | 1873 | 1707 | .44 | 1.85 | 1.83 | 4.31 | 9.48 | 8.70 |
| 133 | 1400 | 3105.6 | 2.94 | 3.25 | 3.85 | 87 | 41.5 | 2810 | 3100.8 | 9.38 | 9.46 | 606 | 506 | 52.5 | 53.9 | 486 | 49125 | 39.6 | 9.3 | 1536 | 1705 | .45 | 1.80 | 1.79 | 4.32 | 9.49 | 8.70 |
| 134 | 1410 | 3105.9 | 2.00 | 3.19 | 3.88 | 87 | 42.5 | 2820 | 3101.2 | 9.37 | 9.45 | 608 | 531 | 52.8 | 54.2 | 482 | 49969 | 39.9 | 9.4 | 2369 | 1713 | .45 | 1.92 | 1.91 | 4.31 | 9.49 | 8.70 |
| 135 | 1415 | 3106.2 | 3.79 | 3.31 | 4.04 | 87 | 42.4 | 2820 | 3101.3 | 9.36 | 9.45 | 607 | 517 | 53.1 | 53.7 | 482 | 50360 | 40.2 | 9.5 | 1191 | 1709 | .46 | 1.74 | 1.73 | 4.32 | 9.49 | 8.70 |
| 136 | 1419 | 3106.5 | 4.44 | 3.24 | 4.03 | 86 | 43.7 | 2820 | 3101.5 | 9.38 | 9.44 | 607 | 522 | 53.6 | 54.1 | 483 | 50714 | 40.5 | 9.6 | 1090 | 1704 | .46 | 1.71 | 1.70 | 4.32 | 9.49 | 8.70 |
| 137 | 1425 | 3106.8 | 3.02 | 3.06 | 3.79 | 87 | 42.5 | 2820 | 3101.7 | 9.38 | 9.44 | 608 | 509 | 53.8 | 54.4 | 482 | 51266 | 40.8 | 9.7 | 2187 | 1705 | .46 | 1.81 | 1.79 | 4.32 | 9.49 | 8.70 |
| 138 | 1432 | 3107.1 | 2.61 | 3.24 | 4.04 | 87 | 43.4 | 2820 | 3101.8 | 9.39 | 9.45 | 608 | 536 | 54.0 | 54.3 | 481 | 51842 | 41.1 | 9.8 | 1924 | 1706 | .47 | 1.86 | 1.85 | 4.32 | 9.49 | 8.70 |
| 139 | 1436 | 3107.4 | 3.97 | 3.17 | 4.46 | 87 | 41.5 | 2820 | 3102.0 | 9.38 | 9.44 | 607 | 505 | 54.3 | 54.7 | 479 | 52260 | 41.4 | 9.9 | 1334 | 1704 | .47 | 1.71 | 1.70 | 4.32 | 9.49 | 8.70 |
| 140 | 1442 | 3107.7 | 3.28 | 3.05 | 4.35 | 87 | 42.6 | 2820 | 3102.4 | 9.38 | 9.43 | 608 | 547 | 54.4 | 55.0 | 479 | 52720 | 41.7 | 10.0 | 1476 | 1701 | .48 | 1.78 | 1.77 | 4.32 | 9.49 | 8.70 |
| 141 | 1448 | 3108.1 | 2.79 | 3.08 | 3.83 | 87 | 43.0 | 2820 | 3103.0 | 9.40 | 9.45 | 608 | 559 | 54.6 | 55.2 | 477 | 53309 | 42.0 | 10.1 | 2203 | 1703 | .48 | 1.84 | 1.82 | 4.32 | 9.49 | 8.70 |
| 142 | 1456 | 3108.4 | 2.38 | 2.93 | 3.83 | 87 | 43.3 | 2810 | 3103.4 | 9.37 | 9.45 | 608 | 557 | 54.9 | 55.9 | 477 | 53973 | 42.3 | 10.2 | 2330 | 1705 | .49 | 1.89 | 1.87 | 4.32 | 9.49 | 8.70 |
| 143 | 1501 | 3108.7 | 3.39 | 2.98 | 3.89 | 87 | 41.7 | 2810 | 3103.6 | 9.37 | 9.45 | 607 | 575 | 55.2 | 55.8 | 477 | 54425 | 42.7 | 10.3 | 1450 | 1703 | .49 | 1.76 | 1.75 | 4.32 | 9.49 | 8.70 |
| 144 | 1506 | 3109.0 | 4.26 | 3.18 | 4.00 | 87 | 42.8 | 2820 | 3103.9 | 9.37 | 9.45 | 607 | 544 | 55.2 | 55.8 | 473 | 54806 | 42.9 | 10.4 | 1145 | 1700 | .50 | 1.71 | 1.70 | 4.32 | 9.49 | 8.70 |
| 145 | 1511 | 3109.3 | 3.15 | 3.21 | 4.00 | 87 | 44.2 | 2800 | 3104.4 | 9.42 | 9.42 | 607 | 543 | 55.9 | 56.2 | 471 | 55295 | 43.3 | 10.4 | 1471 | 1699 | .50 | 1.82 | 1.80 | 4.32 | 9.49 | 8.70 |
| 146 | 1518 | 3109.6 | 2.97 | 3.12 | 3.91 | 87 | 43.4 | 2810 | 3104.7 | 9.39 | 9.41 | 607 | 499 | 56.0 | 55.8 | 470 | 55838 | 43.5 | 10.6 | 1870 | 1700 | .51 | 1.82 | 1.81 | 4.32 | 9.49 | 8.70 |
| 147 | 1522 | 3109.9 | 4.45 | 3.30 | 4.53 | 87 | 41.8 | 2810 | 3104.8 | 9.47 | 9.42 | 607 | 504 | 56.1 | 56.5 | 472 | 56189 | 43.9 | 10.6 | 1120 | 1695 | .51 | 1.68 | 1.67 | 4.33 | 9.50 | 8.70 |
| 148 | 1526 | 3110.2 | 4.01 | 3.29 | 4.21 | 87 | 43.7 | 2810 | 3105.1 | 9.48 | 9.42 | 607 | 567 | 56.2 | 56.6 | 474 | 56587 | 44.2 | 10.7 | 1232 | 1693 | .51 | 1.74 | 1.73 | 4.32 | 9.50 | 8.70 |
| 149 | 1528 | 3110.5 | 9.79 | 3.30 | 3.99 | 87 | 41.9 | 2810 | 3105.2 | 9.48 | 9.42 | 606 | 566 | 56.2 | 56.6 | 474 | 56748 | 44.5 | 10.7 | 462 | 1684 | .51 | 1.46 | 1.45 | 4.33 | 9.50 | 8.70 |
| 150 | 1530 | 3110.8 | 8.22 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | |